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## MERRITT COLLEGE CATALOG
### 2019-2020

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@merrittcollegeofficial
@merrittcollege
@merrittcollegeofficial
**Dear Students and Community Members:**

Welcome to Merritt College! Thank you for choosing Merritt as your college for pursuing and completing your educational and career goals. For 62 years, Merritt College has served our community - the Bay Area, the State, and students from countries around the world, with distinction. Nestled in the Oakland hills, Merritt College is an urban campus that strives to ensure student success through strong connections to and partnerships with business, industry, health care, and governmental organizations that assist the College in establishing meaningful career pathways for you and your families. Our commitment to academic and workforce education and excellence is our primary objective.

Merritt College offers a broad range of courses and programs scheduled at times that interface well with your personal and working needs. Our student-centered philosophy respects people of all ages, backgrounds, lifestyles, and cultures and makes meeting the diverse needs of students our number one priority. I encourage you to take full advantage of this exceptional and affordable pathway to your future with us here, at Merritt College.

As President, I would like to take this opportunity to thank the community for their support that makes possible needed scholarships, internships, employment placements, technology improvements, and facilities construction and expansion of the College. I also thank those from our community who engage with and support the College by participating on advisory committees or attending and supporting athletics and other college events throughout the year.

Finally, this Merritt College Catalog is intended to guide your educational planning with the support of our experienced and knowledgeable counselors, instructors and staff. We are here to support your experience with us so that you make choices and decisions that make sense for you and your future.

Please remember that at Merritt College, we change lives!

Sincerely,

Dr. Marie-Elaine Burns
President
IMPORTANT MESSAGE TO OUR STUDENTS

Merritt College
We change lives!

ACCREDITATION
Merritt College is fully accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges (ACCJC), 10 Commercial Boulevard, Suite 204, Novato, CA 94949, (415)506-0234, an institution accrediting body, recognized by the Commission of Recognition of Postsecondary Accreditation and the U.S. Department of Education (www.accja.org).

ACCURACY STATEMENT
Merritt College endeavors to accurately and fairly present its programs, course descriptions, schedules and policies and to ensure that all information presented here is correct and current as of the date of its release. Merritt College assumes no responsibility for administrative or publication errors. In addition, Merritt College reserves the right to add, amend, modify or withdraw any of its policies, course descriptions, class schedules or other information reflected here from time to time. Please check our website at www.merritt.edu/wp/catalog for our catalog supplement and the most current, available information.

CATALOG RIGHTS
Students completing the requirements for the Associate Degree, Associate Degree for Transfer, Certificate of Achievement, or Certificate of Proficiency have catalog rights. A student's catalog rights are defined as maintaining enrollment in at least one semester per academic year, excluding summer session and intersessions (continuing enrollment), in any of the four Peralta Colleges. The “withdrawal” symbol (W) constitutes enrollment. A student's catalog rights include:

1. The regulations in effect at the time the student entered the college, provided the student has been in continuing enrollment until the requirements for the Degree/Certificate are completed;

or

2. The regulations current at the time the student re-enters the major program and remains in continuing enrollment until the requirements for the Degree/ Certificate are completed;

or

3. The regulations current at the time the student files and receives the Degree/Certificate.

INTERPRETATION OF REQUIREMENTS
Merritt College assumes no responsibility for misinterpretation by students of policies and procedures as presented in this catalog. Counselors and advisors are available and willing to assist students in planning their programs and to clarify college policies and procedures.

USING MERRITT COLLEGE’S CATALOG
Merritt College’s Catalog describes the courses, programs, and services of the college that are planned for the 2019-2020 academic year. Most of the policies and regulations affecting students are described in this catalog, and each student is responsible for becoming familiar with this information. You may obtain more current or complete information from the appropriate administrative office.
ADMINISTRATION

PERALTA COMMUNITY COLLEGE DISTRICT
BOARD OF TRUSTEES

Julina Bonilla, B.A. ........................................................................................................................................... Board President, Area 7
Meredith Brown, J.D. ........................................................................................................................................... Area 2
Nicky Gonzalez Yuen, J.D. .................................................................................................................................. Area 4
Linda Handy, M.S. ............................................................................................................................................... Area 3
Cynthia Napoli-Abella Reiss, Ph.D. .................................................................................................................. Area 5
Karen Weinstein, Ph.D. ...................................................................................................................................... Board Vice President, Area 6
Bill Withrow, M.B.A. ........................................................................................................................................... Area 1
Aisha K. L. Jordan .............................................................................................................................................. Student Trustee
Nick Galan ......................................................................................................................................................... Student Trustee

PERALTA DISTRICT ADMINISTRATORS

Frances L. White, Ph.D. .................................................................................................................................... Acting Chancellor
Trudy Largent, J.D. ........................................................................................................................................... Vice Chancellor of Human Resources and Employee Relations
Siri Brown, Ph.D. ................................................................................................................................................ Vice Chancellor of Academic Affairs
Jason S. Cifra, M.A. ........................................................................................................................................... Vice Chancellor for Student Affairs
Vacant ......................................................................................................................................................... Vice Chancellor of Finance and Administrative Services
Leigh Sata ....................................................................................................................................................... Interim Vice Chancellor of General Services
Minh Lam ...................................................................................................................................................... Interim Vice Chancellor for Information Technology

MERRITT COLLEGE ADMINISTRATORS

Marie-Elaine Burns, Ed.D. ................................................................................................................................... President
David M. Johnson, Ph.D. ................................................................................................................................. Vice President of Instruction
Vacant ........................................................................................................................................................... Vice President of Student Services
Victoria Menzies, M.P.A. ............................................................................................................................... Director of Business and Administrative Services
Vacant ............................................................................................................................................................ Division Dean, Liberal Arts & Social Sciences
Jason Holloway, M.S. ..................................................................................................................................... Division Dean, Math, Science & Applied Technology
Rick Ramos, Ed.D. .......................................................................................................................................... Division Dean, Allied Health and Public Safety
Lilia Chavez, Ed.D. .......................................................................................................................................... Dean of Special Programs and Grants
Herbert Kitchen, Ed.D. ................................................................................................................................... Director of Student Activities and Campus Life
# 2019 Summer Semester

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 3</td>
<td>M</td>
<td>Drop for Nonpayment of Tuition and Enrollment Fees</td>
</tr>
<tr>
<td>June 17</td>
<td>M</td>
<td>Day and Evening Instruction Begins</td>
</tr>
<tr>
<td>June 24</td>
<td>M</td>
<td>Last Day to Submit Census Roster- Instructors Verify Enrollment</td>
</tr>
<tr>
<td>June 24</td>
<td>M</td>
<td>Last Day to Drop Regular Session Classes and Receive A Refund</td>
</tr>
<tr>
<td>NOTE:</td>
<td></td>
<td>Short-term and open-entry classes must be dropped within 10% of the first class meeting to receive a refund.</td>
</tr>
<tr>
<td>June 24</td>
<td>M</td>
<td>Last Day to Drop Regular Session Classes Without a “W” Appearing on Transcripts</td>
</tr>
<tr>
<td>June 24</td>
<td>M</td>
<td>Last Day to Add Summer Session Classes</td>
</tr>
<tr>
<td>June 26</td>
<td>W</td>
<td>Last Day to File for PASS/NO PASS Grading Option</td>
</tr>
<tr>
<td>June 28</td>
<td>F</td>
<td>Last Day to File Petitions for AA or AS Degree/Certificate</td>
</tr>
<tr>
<td>July 4</td>
<td>Th</td>
<td>Independence Day – Holiday Observance</td>
</tr>
<tr>
<td>July 17</td>
<td>W</td>
<td>Last Day to Withdraw from Regular Session Classes and Receive a “W”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All outstanding fees are due even if classes are dropped on this day</td>
</tr>
<tr>
<td>July 17</td>
<td>W</td>
<td>Last Day to Submit Attendance Roster</td>
</tr>
<tr>
<td>July 26</td>
<td>F</td>
<td>Summer Session Ends</td>
</tr>
<tr>
<td>August 2</td>
<td>F</td>
<td>Last Day to Submit Grades/Rollbooks</td>
</tr>
</tbody>
</table>

**NOTE:** Last day to drop without a “W” appearing on transcript may vary for Short-Term and Open-Entry, Open-Exit classes.

Dates are subject to change; See the online Academic Calendar [www.Peralta.edu](http://www.Peralta.edu) for the latest information.
<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 19</td>
<td>M</td>
<td>Day and Evening Instruction Begins</td>
</tr>
<tr>
<td>August 24</td>
<td>S</td>
<td>Saturday Instruction Begins</td>
</tr>
<tr>
<td>August 25</td>
<td>Su</td>
<td>Last Day to Add without Permission Number or Add Card</td>
</tr>
<tr>
<td>August 30</td>
<td>F</td>
<td>Last Day to Add Regular Session Classes in person with a Permission Number on Add Card</td>
</tr>
<tr>
<td>September 2</td>
<td>M</td>
<td>Last Day to Drop Regular Session Classes and Receive a Refund</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>NOTE:</strong> Short-term and open-entry classes must be dropped within 10% of the first class meeting to receive a refund.</td>
</tr>
<tr>
<td>September 2</td>
<td>M</td>
<td>Last Day to Drop Regular Session Classes Without a “W” Appearing on Transcripts</td>
</tr>
<tr>
<td>September 2</td>
<td>M</td>
<td>Last Day to Add Regular Session Classes online with an Instructor issued Permission Number</td>
</tr>
<tr>
<td>September 2</td>
<td>M</td>
<td>Labor Day – Holiday Observance</td>
</tr>
<tr>
<td>September 2</td>
<td>M</td>
<td>Census Roster Due</td>
</tr>
<tr>
<td>September 3</td>
<td>T</td>
<td>Census Day</td>
</tr>
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<td>September 6</td>
<td>F</td>
<td>Last Day to File for PASS/NO PASS Grading Option for Regular Session Classes</td>
</tr>
<tr>
<td>October 18</td>
<td>F</td>
<td>Last Day to File Petitions for AA or AS Degree/Certificate</td>
</tr>
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<td>October 22</td>
<td>T</td>
<td>Professional Day – No Classes</td>
</tr>
<tr>
<td>November 11</td>
<td>M</td>
<td>Veteran's Day – Holiday Observance</td>
</tr>
<tr>
<td>November 15</td>
<td>F</td>
<td>Last Day to Withdraw from Regular Session Classes and Receive a “W”. All outstanding fees are due even if classes are dropped on this day.</td>
</tr>
<tr>
<td>November 15</td>
<td>F</td>
<td>Attendance Verification Day – Instructors Verify Enrollment</td>
</tr>
<tr>
<td>Nov 28-Dec 1</td>
<td>Th-Su</td>
<td>Thanksgiving – Holiday Observance</td>
</tr>
<tr>
<td>December 7</td>
<td>S</td>
<td>Saturday Instruction Ends</td>
</tr>
<tr>
<td>December 8-13</td>
<td>Su-F</td>
<td>Final Examinations</td>
</tr>
<tr>
<td>December 13</td>
<td>F</td>
<td>Fall Semester Ends</td>
</tr>
<tr>
<td>December 20</td>
<td>F</td>
<td>Final Grades Due</td>
</tr>
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**NOTE:** Last day to drop without a “W” appearing on transcript may vary for Short-Term and Open-Entry, Open-Exit classes.

Dates are subject to change; see the online Academic Calendar [www.Peralta.edu](http://www.Peralta.edu) for the latest information.
2020 SPRING SEMESTER

January 20  Mon  Martin Luther King Jr’s Birthday – Holiday Observance
January 21  Tues  Day and Evening Instruction Begins
January 25  Sat  Saturday Instruction Begins
January 26  Sun  Last Day to Add without Permission Number or Add Card
January 31  Fri  Last Day to Add Regular Session Classes in Person with a Permission Number on Add Card
February 2  Sun  Last Day to Add Regular Session Classes and Receive a Refund
    NOTE: Short-term and open-entry classes must be dropped within 10% of the first class meeting to receive a refund
February 2  Sun  Last Day to Drop Regular Session Classes Without “W” Appearing on Transcript
February 2  Sun  Last Day to Add Regular Session Classes Online with an Instructor issued Permission Number
February 2  Sun  Census Day – Instructors Verify Enrollment in Classes
February 7  Fri  Last Day to File for PASS/NO PASS Grading Option for Regular Session Classes
February 14-17  Fri- Mon  President’s Birthday – Holiday Observance
March 16  Fri  Last Day to File Petitions for AA or AS Degree/Certificate
March 19  Thur  Professional Day – No Instruction
March 31  Mon  Cesar Chavez – Holiday Observance
April 12 - 18  Mon - Sun  Spring Recess
April 24  Fri  Last Day to Withdraw from Regular Session Classes and Receive a "W"
    All outstanding fees are due, even if classes are dropped on this day
April 24  Fri  Attendance Verification Day – Instructors Verify Enrollment
May 15  Fri  Malcolm X’s Birthday – Holiday Observance
May 16  Sat  Saturday Instruction Ends
May 17-21  Sun - Fri  Final Examinations
May 23  Sat  Spring Semester Ends
May 25  Mon  Memorial Day – Holiday Observance

NOTE: Last day to drop without a "W" appearing on transcript may vary for Short-Term and Open-Entry, Open-Exit classes.

Dates are subject to change; see the online Academic Calendar www.Peralta.edu for the latest information.
MISSION

We are a collaborative community of colleges. Together, we provide educational leadership for the East Bay, delivering programs and services that sustainably enhance the region's human, economic, environmental, and social development. We empower our students to achieve their highest aspirations. We develop leaders who create opportunities and transform lives. Together with our partners, we provide our diverse students and communities with equitable access to the educational resources, experiences, and life-long opportunities to meet and exceed their goals. In part, the Peralta Community College District provides accessible, high quality, educational programs and services to meet the following needs of our multi-cultural communities:

- Articulation agreements with a broad array of highly respected Universities;
- Achievement of Associate Degrees of Arts and Science, and certificates of achievement;
- Acquisition of career-technical skills that are compatible with industry demand;
- Promotion of economic development and job growth;
- Foundational basic skills and continuing education;
- Lifelong learning, life skills, civic engagement, and cultural enrichment;
- Early college programs for community high school students;
- Supportive, satisfying, safe and functional work environment for faculty and staff; and
- Preparation for an environmentally sustainable future
MISSION ABOUT MERRITT COLLEGE

Merritt College located at 12500 Campus Drive, Oakland, California, is a public, two-year college and one of four colleges of the Peralta Community College District in Alameda County. Merritt College offers day, evening, and online courses and comprehensive programs supporting transfer to four-year institutions and technical and occupational endeavors. Merritt College is committed to meeting the educational needs of the diverse student population and the community it serves. Located on a 125-acre site in the hills of the southeastern suburb of Oakland, Merritt College combines modern, spacious facilities with a panoramic, spectacular view of the entire Bay Area.

Merritt College operates an outreach center, Merritt College@Fruitvale, located at 1900 Fruitvale Avenue, Oakland, California, primarily serving residents who speak English and other languages. The site offers opportunities for intellectual and cultural growth, and it is vital to community-based organizations for the coordination and planning of services. Merritt College@Fruitvale offers credit and noncredit courses with special emphasis on English for Speakers of Other Languages (ESOL). Merritt College@Fruitvale seeks to ease the transition for first-time, nontraditional students to the main campuses; to encourage continuation to transfer courses, leading to enrollment in 4-year institutions; and, to enhance personal and professional growth.

MISSION OF MERRITT COLLEGE

The mission of Merritt College is to enhance the quality of life in the communities we serve by helping students to attain knowledge, master skills, and develop the appreciation, attitudes and values needed to succeed and participate responsibly in a democratic society and a global economy.

CORE VALUES

Student Success: We provide challenging and rigorous learning experiences that support the academic and personal success of our students.

Caring Spirit: We genuinely care about every member of our campus community.

Teamwork and Inclusion: We encourage everyone to participate in college governance and assume responsibility for acting on our shared commitment to provide exceptional learning experiences.

Campus Climate: We strive to create a student-centered learning environment that leads to student retention, persistence, and success.

Diversity: We honor and respect the different backgrounds, experiences, languages, values and cultures of everyone at the college.

VISION

Merritt inspires students to create meaningful lives including fulfilling careers, community participation, self-expression, and a love of learning.

INSTITUTIONAL LEARNING OUTCOMES (ILOS)

Communication: Communicate with clarity and precision using oral, nonverbal, and/or written language, expressing an awareness of audience, situation, and purpose.

Critical Thinking: Think critically using appropriate methods of reasoning to evaluate ideas and identify and investigate problems and to develop creative and practical solutions to issues that arise in workplaces, institutions, and local and global communities.

Quantitative Reasoning: Apply college-level mathematical reasoning to analyze and explain real world issues and to interpret and construct graphs, charts, and tables.

Cultural Awareness: Through a knowledge of history and cultural diversity, recognize and value perspectives and contributions that persons of diverse backgrounds bring to multicultural settings and respond constructively to issues that arise out of human diversity on both the local and the global level.

Civic Engagement and Ethics: Internalize and exhibit ethical values and behaviors that address self-respect and respect for others with integrity and honesty that will enable success and participation in the larger society.

Information and Computer Literacy: Use appropriate technology to identify, locate, evaluate and present information for personal, educational and workplace goals.
MERRITT COLLEGE AND THE PERALTA DISTRICT - A SHORT HISTORY

While the concept of "community college" was still evolving, many institutions and organizations preceded the establishment of Merritt Community College and the Peralta Community College District as a whole. University High School was located at 5714 Grove Street (now Martin Luther King Jr. Way) site, serving primarily the children of University of California faculty; in 1946 the site became the Merritt School of Business; in 1953 The Oakland Junior College institution was organized by the Oakland Board of Education, establishing Laney and Merritt as separate campuses in this new institution; in 1954, Merritt College added a liberal arts curriculum to the already established business curriculum; and in 1955, the first recipients of Associate in Arts degrees graduated from Merritt College.

In 1963 Alameda, Albany, Berkeley, Emeryville, Oakland, and Piedmont residents voted to form the Northern Alameda County Junior College District. The first meeting to organize the Northern Alameda County Junior College District Board of Trustees was held December 16, 1963. The matter of formerly naming the new Junior College District was put off until the January 20, 1964. Following the guidelines of Resolution #63/64-02, the Junior College District recently formed in Northern Alameda County became effective July 1, 1964, responsible for the operation of Merritt and Laney Campuses, and on January 20, 1964, The Junior College District was renamed The Peralta Junior College District of Alameda County, honoring Sergeant Luis Maria Peralta, a soldier in the Spanish army who received the largest of the Spanish land grants (1820), Rancho San Antonio, a 44,800-acre plot that encompasses most of the East Bay region of California. On July 1, 1964, the Board of Education voted to offer vocational, occupational, and liberal arts courses on each campus.

Purchased by the Oakland Unified School District as an additional possible site for Merritt College, the Redwood Road site was first proposed for Merritt College in a March 2, 1964 Board meeting. A visit was planned for March 18, 1964. By April 13, 1964, a letter was sent to the Oakland Unified School District with a notification that the Peralta Junior College District intended to purchase the Redwood Road Site. As noted in the May 2, 1964 Board of Trustees' minutes, the firm of Main, Lafrentz & Company, certified public accountants, was selected to design business systems, and an appraiser was acquired to calculate costs associated with lease/and or purchase of the Redwood Road site for Merritt.

In 1965, voters passed a $47 million bond for the construction of additional campuses, and in 1970, the College of Alameda opened on a 2.5-acre site near the U.S. Naval Air Station in Alameda, California. In September 1970, Laney College completed its new campus adjacent to the Oakland Museum and The Bay Area Rapid Transit (BART) terminal. Merritt College moved from its location on Grove street in spring of 1970 to its present location 12500 Campus Drive, Oakland, California. And in 1974, the Peralta College for Nontraditional Study was established and later renamed, Vista Community College and presently known as Berkeley City College.

Merritt College acquired its name from Dr. Samuel Merritt, a pioneer developer in Oakland whose accomplishments include: establishment of a marine insurance company; ship-building and trading; lumber sales, real estate acquisitions, founder and member of the Board of Directors of the Oakland Bank of Savings; Mayor of Oakland; and, development of the Oakland park system. Dedicated to the development and beautification of Oakland, he enjoyed great success as an architect and builder, designing, building, and financing more than one hundred buildings. Dr. Samuel Merritt's name remains memorable and visible throughout the Bay area: In addition to Merritt College, Samuel Merritt Hospital and Lake Merritt also bear his name.

ADDITIONAL HISTORICAL INFORMATION

After the 1960 California Master Plan for Higher Education was signed into State law by Governor Brown, resulting in a system that combined "exceptional quality with broad access for students," more Black students enrolled at Merritt College. Huey P. Newton had enrolled at Merritt College in 1959, and Bobby Seal in 1962, and in that same year Donald Warden founded the Afro American Association, a community-based center near the Merritt College campus on Grove Street. The center promoted a Black Consciousness Program that greatly impacted the lives of many who would become famous and influential. Huey P. Newton in Revolutionary Suicide writes, "I was one of the first ten to join the organization . . . whose purpose was mainly to develop a sense of pride among Black people for their heritage, their history, and their contributions to culture and society." He further emphasizes that while some of the members were college students, many were from the surrounding community.

In 1964, Merritt College students from a Revolutionary Action Movement (RAM), formed the Soul Students Advisory Council (SSAC), which would become the Black Student Union (BSU). The SSAC fought for the inclusion of Black Studies Curriculum. According to Dr. Siri Brown, Historian, "Not many are aware that Merritt College offered the first Black History course in the country in 1964 and became the first department in 1967 – one year prior to San Francisco State University's Ethnic Studies Department. Our legacy is due to the efforts of many, including Bobby Seal, a Merritt College student who co-founded the Black Panther Party for Self-Defense [with Huey P. Newton]; Melvin Newton, our first Department Chair, Huey's brother and Black Panther Party Member; and, the great soldier/educator Dr. Celia Arrington, who taught in the African American Studies Department for over 30 years. These people developed an outstanding curriculum and foundation . . ."

Bobby Seal and Huey Newton founded the Black Panther Party for Self-Defense in October 1966. In Power to The People: The World of The Black Panthers, it is noted that membership of six grew to a notable, political organization in excess of 10,000 men and women in 49 chapters. According to Bobby Seal, "The Black Panther Party was an 'All Power to All the People' organization. It was a powerful grassroots activist organization that formed coalitions seeking to further our civil human rights and achieve real freedom and justice for all people . . ."
POLICE SERVICES
The Peralta Community College District contracts with the Alameda County Sheriff’s Office for police services. The Peralta Community College District Police Services Department is responsible for protecting the lives and property of students, employees, and visitors. Its mission is to preserve the peace; maintain order; enforce state, federal and local laws; and, to provide a safe environment to enable educational processes to flourish orderly and uninterrupted.

Deputies assigned to the Peralta Community College District Police Services Department have peace officer authority pursuant to section 830.1 of the California Penal Code. Each deputy, having met all state standards and training requirements, has the same authority as municipal police officers. Sheriff Technicians employed by Police Services do not have peace officer authority. Police Services Deputies work in “partnerships” with Oakland, Alameda, and Berkeley police departments to address problems, concerns, or incidents identified by campus staff and students that require resources not readily available at Peralta Colleges.

The goal of the Police Services Department is to provide the safest possible environment for all the campuses, so everyone can enjoy all of their facilities. Although safety is the major concern, Police Services monitors fire and intrusion alarms and enforces parking regulations on Peralta Community College campuses. Calls for service are prioritized, and response time varies with location, nature, or urgency.

POLICE SERVICES LOCATED ON CAMPUS
Police Services on the Merritt campus is located in Building R, Room R117 and is available Monday to Friday, 6:00 a.m. – 11:00 p.m. each day. After 11:00 p.m., Staff Technicians are available 24/7 to receive calls and dispatch appropriate emergency services. The emergency phone line is (510) 466-7236 or on campus at extension 7236. The non-emergency Phone line: (510) 465-3514, or Merritt 436-2668.

SAFETY AIDES
Safety Aides assist Police Services by patrolling the campus and its parking lots. Aides are available for escort services to and from parking lots. To receive assistance, call (510) 466-2546

MEDICAL EMERGENCIES
In case of severe illness or an accident requiring medical assistance, students are advised to dial 7236 from any campus phone. Police Services will respond to the emergency and notify the campus nurse. If required, Police Services will contact emergency response services (i.e., ambulance, fire, police, etc.).

In life or death situations (a person has stopped breathing, is bleeding profusely, or is in immediate danger), call 9-911 from a campus phone, or phone 911. The county emergency response team will be activated and send an ambulance, the fire department, and police. The next step is to dial 7236 from a campus phone or (510) 466-7236 from any available phone. The campus police will respond with assistance.

In cases of illness or an accident that is serious, but not life threatening, dial 7236 from a campus phone or (510) 466-7236 campus police will respond and notify the campus nurse and/or call 911, if necessary.

CRIME PREVENTION AND PERSONAL SAFETY TIPS
Crime prevention is the responsibility of all staff and students. In order to maintain a safe, secure place to work and study, members of the campus community should be aware of their own surroundings and of any circumstances that seem out of the ordinary; suspicious individuals or activities should immediately be reported to Police Services. An awareness of the following crime prevention pointers is essential in the reduction of crimes against students and staff:

• Lock your car, office, or residence when leaving.
• Keep your car or building key in your hand.
• Avoid unnecessary poorly lighted or unfamiliar areas.
• Know the locations of telephones on campus.
• When working after hours, notify Police Services of your location, and then lock all doors leading to that location.

Questions and concerns regarding campus safety and security may be directed to Police Services at (510) 465-3514.

CLERY ACT:
The Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act or Clery Act, codified at USC 1092(f) as part of Higher Education Act of 1965, is a federal law that requires all colleges and universities to keep and disclose information timely and annually about certain crime on and near their respective campuses. For more information about the Clery Act, crime statistics, and resources visit http://web.peralta.edu/general-services/clery-act.
# Campus Information Directory

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DIVISION STRUCTURE

VICE PRESIDENT OF STUDENT SERVICES:
Vacant
R113-E
(510) 436-2478

Staff Assistant:
R133-D
(510) 436-2477

• Counseling (COUN)
• Admission and Records
• CalWORKS
• Counseling
• EOPS/CARE
• Financial Aid
• Health Services
• Puente
• Sankofa (Umoja)
• Student Accessibility Services
  (formerly Disability Services Program)
• Student Concerns/Complaints
• Transfer Center
• Veterans Affairs Program
• Welcome Center

Dean/Special Programs & Grants:
Dr. Lilia Chavez
R113-G
(510) 436-2585

Staff Assistant:
Vacant

Student Activities & Campus Life Director:
Dr. Herbert Kitchen
R124
(510) 434-3982

Staff Assistant:
R124
(510) 436-2419

• Associated Students of Merritt College
• Bookstore
• College Graduation
ACADEMIC COUNSELING AND ADVISING
Counselors assist students with their educational planning and the setting of academic goals. All students are required to seek the help of counselors in creating a Student Education Plan (SEP) and selecting appropriate courses for a Certificate, Associate Degree, and/or for transfer to a four-year institution. For information or to make an appointment, call (510) 436-2475.

AFRICANA STUDIES COMMUNITY RESEARCH CENTER
The Africana Studies Community Research Center, created by the Department of Ethnic Studies at Merritt College, houses an originally designed curriculum to be used on iPads/computers. The curriculum is comprised of interactive museum-quality learning modules where students can engage through visual, touch screen, and e-portfolio lessons about African-American history. The modules are multilayered, high impact visual installments produced by award-winning filmmakers and graphic designers. They are also Americans with Disabilities ACT (ADA) compliant and Spanish, bilingual to ensure access. The modules are for educational purposes and include assessment that impacts the grade of the student. Every African American Studies course and instructor links his/her curriculum and assessment to the modules. The Center also houses and collects local African American historical documents on the Black Panther Party, post World War II Black migration, unions, arts and culture, and other areas. African American Studies majors and interested students are trained in historical preservation processes including archiving, scanning, and interviewing methods for individual and family histories. Students receive transferable credit and certification for this work, and their projects become a permanent part of the collection. The Center is open to scheduled high school class visits, community organizations, and youth groups.

The Center is located in L-127. Find out more at www.merritt.edu/wp/africanacenter.

ASSOCIATED STUDENTS OF MERRITT COLLEGE (ASMC)
The Associated Students of Merritt College, Inc. (ASMC) is the official student body organization of Merritt College. ASMC is comprised of the Executive Council, the Senate, and the Inter-Club Council. The officers include the President, Vice President, Treasurer, Secretary, Inter-Club Council Chairperson, Chief of Justice, two Associate Justices, and 13 senators. Merritt College students who are enrolled in six or more units and in good academic standing are eligible to run for the ASMC Council.

ASMC officers are elected or appointed in accordance with the student body constitution. Active participation in the student council provides students with the opportunity to collaborate with students, staff, faculty, and administration to have their voices and input included in matters regarding campus concerns. ASMC also assists in the development of co-curricular programs where student leaders apply their own innovation and vision to bring new programs to the campus.

The ASMC offers leadership opportunities for students to represent the college and to participate at all levels of student governance through campus, district, participatory governance and Region III meetings and conferences. Through the campus participatory governance process and district meetings, student leaders participate in problem solving, which impacts the formulation of general college policies. ASMC meetings are open to the public and students are encouraged to attend. ASMC is a member of the California Student Association of Community Colleges. For more information, contact the Office of Student Activities and Campus Life in Building R, Room 124, or call (510) 436-2535. Also, refer to Student Clubs and Organizations.

ATHLETICS
Merritt participates in intercollegiate competition through membership in the Bay Valley Conference, an eleven-team league in the Bay Area. The college offers six sports teams for student athlete participation: men's and women's basketball teams; men's and women's track and field and cross country teams; and, men's and women's soccer teams.

Students participating in intercollegiate athletics must meet the eligibility requirements of the California Community College Athletics Association (CCCAA) and Merritt College:
• Meet with a counselor, and complete a Student Educational Plan (SEP).
• Maintain a 2.0 cumulative Grade Point Average (GPA) at minimum.
• Successfully complete 24 units in first and second season of competition in a specific sport of which 18 units must be academic.

For specific information regarding eligibility, prospective athletes are urged to consult with the Athletic Director or the coach of the sport in which they wish to participate before or immediately upon enrollment at (510) 434-3849.

BOOKSTORE (COLLEGE STORE)
The Merritt College Bookstore supports learning and school spirit by providing textbooks, school supplies, Merritt-logo apparel and gifts, general-reading books, snacks, and graduation regalia.

The Bookstore works with instructors to provide the exact materials students need for classes in the most affordable formats available. In addition to offering used and digital books whenever possible, the Bookstore's growing Rent-a-Text program allows students to rent books for the semester at a substantial savings.

While the Bookstore accepts all major credit and debit cards, personal checks are not accepted. Students can purchase books online for in-store pickup or home delivery at the Bookstore's website, www.merrittshop.com. The website also lists current store hours and textbook information. The Bookstore is located in Building R, Room 101, and can be reached at (510) 436-2438.
MERRITTWORKs (CalWorks)
Merritt College works in collaboration with neighboring county social services departments for the purpose of helping families with dependent children to transition from public assistance to self-sufficiency in the workforce. The MerrittWORKs office strives to encourage a positive environment where students who are part of the county’s CalWORKs program can seek support. Students in the MerrittWORKs program must schedule and keep two appointments per semester with an academic counselor to ensure proper progress towards county approved educational programs.

Services are coordinated with the local county employment counselors and MerrittWORKs staff to ensure completion of both county and college forms. Communication with county employees is established to ensure that students have the proper, ancillary funds, as eligible from the county, to enable students to purchase books, supplies, transportation, and childcare in order to succeed in college. In addition, the Staff Assistant and work study students provide student support and peer advising on an as-needed, drop-in basis.

Services provided include: academic, personal, and career counseling; work-study opportunities; design of individualized student education plans; job placement; supervised study time; life skills and special interest workshops; and, information and referral to other student services, support services, and agencies. The Department of Social Services provides transportation vouchers and checks for student supplies and books on a limited basis.

The MerrittWORKs office is located in Building R, Room 128. To receive additional information or to schedule an appointment, please call MerrittWORKs at (510) 436-2469.

CASHIER’S (BURSAR’S) OFFICE
At the Cashier’s Office, students can make payments related to enrollment fees and tuition and receive disbursement of checks and the AC Transit EasyPass. Other services include the sale of parking permits. The Cashier’s Office window is located in Building Q, Room 228.

CHILDREN’S CENTER
The Children’s Center provides child care services to eligible students (working parents, enrolled in six or more units, or low-income families) on campus. The center provides professional care for children 3-5 years of age.

The Children’s Center provides a safe, friendly, developmentally, age-appropriate environment for the children of students, staff and community members to grow and learn. The goals of the program are to offer a high-quality Center that permits children to discover and learn to become decision makers and problem solvers, to feel good about themselves, and to develop cognitive (thinking), language arts (talking), literacy (reading), social/emotional (relationships), and physical development (moving and doing) skills.

The Children’s Center is open Monday through Friday from 7:45 a.m. to 5:15 p.m. The Center follows the campus calendar and serves children during the fall and spring semesters. Children receive three cost-free meals per day. The fees for care are based on family size and gross monthly income. Services are free to eligible low-income, MerrittWORKs and TANF families.

A registration process is required. Information regarding guidelines and application procedures is available at the Children’s Center located on campus (first building on left when entering from Campus Drive). For information, call (510) 436-2436.

COLLEGE HOUR
Activities and events of college-wide interest are held during College Hour every Thursday from 12:30 p.m. to 1:30 p.m., during fall and spring terms. For more information, contact the Student Activities Office at (510) 436-2535, or visit the office in Building R, Room 124.

COOPERATIVE AGENCIES RESOURCES FOR EDUCATION (CARE)
The Cooperative Agencies Resources for Education (CARE) program, part of Extended Opportunities and Program Services (EOPS), is a state-funded, supplemental support services program for students who qualify as single heads of household with children 14-years or younger, and who have an active MerrittWORKs or CalWORKs case number. CARE students receive supplemental counseling and advising services, additional childcare services for study time, textbooks, supplies, and meals. Services provided include workshops, activities and classes to enhance personal development, parenting and study skills, group support, peer networking, and referrals to campus and community-based resources. The CARE program is located in Building R, Room 109. For information, call (510) 436-2476.
COUNSELING SERVICES
Merritt College offers a wide range of professional counseling services for students who have completed an application. These services include:

- Educational planning and Student Educational Plan (SEP) development for degrees, occupational (career technical education) certificates, and transfer to four-year institutions.
- Career counseling.
- Advising on academic issues.
- Personal counseling about concerns affecting academic progress.
- Referral to on-and off-campus services.

Students should consult a counselor early to prepare a program of study. Required courses for Associate degrees and certificates appear in the college catalog. Students are advised to make an appointment with a counselor during the first semester of attendance to develop a Student Educational Plan (SEP), and then, at least once each successive semester.

Students may schedule appointments with counselors during available day or evening hours. The Counseling Office is located in Building R, Room 109. For information or to make an appointment, call (510) 436-2475.

STUDENT ACCESSIBILITY SERVICES
(FORMERLY DSP: DISABILITY SERVICES PROGRAM)

The Student Accessibility Services (SAS) office provides assistance to facilitate equal educational opportunities for students who have disabilities. Our mission is to:

- Empower Students with disabilities for success
- Provide services to minimize the limiting effects of a disability
- Advocate for the needs and rights of students with disabilities
- Create a “level playing field” in the classroom and online

Services are voluntary for qualified students who request services. Counselors in the program provide counseling on an individual basis to determine academic accommodation needs. Academic accommodations/support services may include alternate media and adaptive equipment, sign language interpreting, testing accommodations, classroom note-taking assistance, priority registration, and referral to other campus and community resources. Our goals are to:

- Focus on the true ability of students
- Determine and provide individualized accommodations
- Foster equal treatment through all Merritt College Programs
- Promote awareness of disability rights and the philosophy of equal access

The Learning Disabilities Specialist provides assessment and study-skills assistance to students with learning difficulties, and may also provide individualized assessments to determine academic and cognitive strengths.

The Alternate Media Specialist can arrange for books and study materials to be reformatted from standard or published formats to a targeted alternate format appropriate to an individual student’s disability, thus ensuring equal access. Instructional materials in alternate formats include Braille, large print, e-text, audio, and tactile graphics.

Merritt College's SAS provides the following services:

- **Alternate Media Specialist** reformats books and study materials to auditory, large-print, and other formats.
- **Computer Access Lab** includes state-of-the-art adaptive computer hardware and software.
- **Learning Opportunity Program** serves students with diagnosed learning disabilities.
- **On-campus tram service** provides assistance to students with mobility impairments.

For any of the above services, students must provide documentation of a verified disability, and make an appointment to meet with a counselor or with the Learning Disabilities Specialist. The SAS Office is located in Building R, Room 109. For information and appointments, call (510) 436-2429.
LEARNING OPPORTUNITY PROGRAM
The Learning Opportunity Program provides study skills assessment and instructional assistance to students who have learning disabilities and have completed testing and evaluation by the Learning Disabilities Specialist, another qualified professional, or an agency. The Learning Disabilities Specialist provides students with individual assessments to determine specific learning disabilities. Students should be enrolled in at least six units (at least one academic course) to participate in the program.

The goals of the program:
• Assist students with learning disabilities in reaching academic and vocational goals.
• Strengthen and develop individual student learning styles to produce independent learning skills.

The services provided:
• Assessment and evaluation of eligibility for the Learning Opportunity Program.
• Identification of learning styles and modalities.
• Evaluation of academic skills.
• Compensatory learning strategies and techniques.
• Accommodations and services based on individual assessment results.
• Computer-assisted instruction.
• Academic coaching.

For information, contact the SAS Office in the Student Center locate in Building R, Room 109A, or call for an appointment with a SAS counselor at (510) 436-2429. Hours of operation: Monday through Friday, 8:00 a.m. – 4:30 p.m.

COMPUTER ACCESS LAB
The Computer Access Lab for students with disabilities offers state-of-the-art adaptive computer hardware and software, including voice recognition (speech to text), screen readers (text to speech), and spelling and math programs. Students learn to use the computer and specialized software to produce general classroom assignments. Students are advised to meet with a counselor in the SAS Office before enrolling in the classes (LR 211, Learning Resources and LR 272, Learning Resources). The Computer Access Lab is located in Building P, Room 306. Call (510) 436-2429 to meet with a SAS counselor about use of this lab.

ALTERNATE MEDIA SERVICES
Alternate Media Services (AMS) in general refers to print materials (textbooks, handouts, PowerPoint presentations) or anything in print that is to be converted to an alternate format, such as audio, large print, Braille, or electronic text. AMS also refers to films and videos with closed captions and auditory descriptions.

Alternate media services will be provided to student, staff, and community members whose disability-related limitations prevent them from accessing printed material in its standard or published format.

Students needing alternate media services should first contact a counselor in the SAS Office for authorization and on approval, set up an appointment with the Alternate Media Specialist located in Building R, Room 109. For information, call (510) 436-2429.

EXTENDED OPPORTUNITY PROGRAMS AND SERVICES (EOPS)
Extended Opportunity Programs and Services (EOPS) is a state-funded program that provides academic and financial support to students who are economically and educationally disadvantaged. To qualify, the student must be a California resident, enrolled in at least 12 semester units, must have completed fewer than 70 degree-applicable units, and be educationally disadvantaged. Student support services include orientation, early registration, counseling, individualized academic planning, career guidance, academic progress monitoring, basic skills instruction, tutoring, book service grants, transfer assistance, peer advising, and special cultural awareness activities.

Students who are interested and qualify for the program should complete an EOPS application and speak to an EOPS staff member. The EOPS Office is located in Building R, Room 109. For information, call (510) 436-2470.

FINANCIAL AID
The Financial Aid Office provides information, applications, and assistance about federal and state financial aid. Fee waivers, grants, loans, scholarships, work-study and other forms of assistance are available to students to cover fees, books, academic expenses, and other related costs. The office is located in Building R, Room 113. For information, call (510) 436-2465.

FOOD SERVICES
Food services areas at Merritt College are in two locations: The Cafeteria in Building R, Room 131, and outside the entrance of Building A. In addition, the College Store/Bookstore offers snacks and drinks for sale.
STUDENT SERVICES

HEALTH CENTER
The Health Center is located in Building R, Room 106. Clinic hours are posted on the Health Center door and on the website at www.merritt.edu/wp/health. Drop-ins are welcome. Students may also call (510) 436-3134 for additional information or to schedule an appointment. The Health Center offers the following assistance and services to Merritt College students:

- First Aid and over-the-counter medications such as aspirin and decongestants.
- Pregnancy tests, safe sex supplies, and feminine hygiene products.
- Vouchers for low-cost vision care and eyeglasses.
- HIV testing twice per month.
- Referrals for physical exams and more-specialized medical care.
- Other services, such as flu shots, massage and acupuncture, are offered periodically and advertised in advance.

NOTE: All Health Center services are confidential and free of charge.

INTERNATIONAL STUDENT SERVICES
Special regulations govern the admission and advising of foreign students with F-1 visas. These students should contact the Office of International Education for all concerns regarding admissions or F-1 status issues. You may contact the office by phone at (510) 466-7380 or email: globaled@peralta.edu. The office is located next to the Peralta Community College District main office at 333 East Eighth Street, Oakland, CA 94606, as well as at Berkeley City College, 2000 Center Street, Berkeley, CA 94704.

LEARNING COMMUNITIES

FIRST-YEAR EXPERIENCE (FYE)
FYE is a year-long program designed to help incoming students ease into college life in a supportive environment, leading to college success. Dedicated faculty, staff, and counselors work closely with students to make this transition successful. Students are placed in a cohort of like students to take specific classes and meet individually with FYE counselors to develop an educational plan. The students participate in experiences beyond the classroom that include field trips, team-building exercises, and the FYE/IMPACT Club on campus. The program has a partnership with East Bay College Fund which provides funding, counseling, and scholarships. Building R105D, (510) 434-3972, www.merritt.edu/wp/fye.

NEXT UP
Next Up, also known as Cooperating Agencies Foster Youth Educational Support (CAFYES), offers eligible current and former foster youth support and services that can include help with books and supplies, transportation, tutoring, food, and emergency housing. Next Up is a supplemental component of existing Extended Opportunity Programs and Services (EOPS) that serves to strengthen the capacity of community college districts to support the higher education success, health, and well-being of some of the nearly 13,000 current and former foster youth who are enrolled in California’s community colleges.


PUENTE PROGRAM
The goal of the Puente Program is to increase the number of educationally underserved students who transfer to four-year colleges and universities. Puente students are provided with accelerated English writing instruction, sustained academic counseling, and mentoring from the professional community. Students must meet the following criteria to participate in the Puente Program: be interested in transferring to a four-year college or university; be eligible for English 201A or 264A (determined by assessment or completion of prerequisites); make a commitment to work with the Puente counselor; and make a commitment to work with their mentors as designated by the Puente coordinator.


SANKOFA
Sankofa is an innovative program that assists in the transition of students from community college to a four-year college or university and helps with the challenges to achieve those goals. The program assists students in the development of Student Education Plans (SEPs), selection of courses, addressing personal concerns, and connecting students to support services across the campus. Sankofa is affiliated with Umoja (a Kiswahili word meaning unity), a community dedicated to enhancing the cultural and educational experiences of African American and other students. It serves to help its members navigate the college environment and become successful in education. Sankofa is open to all students who desire the nurturing services offered by the program.


(CONTINUED)
STUDENT SERVICES

STREET SCHOLARS
Street Scholars serves formerly incarcerated men and women enrolled at Merritt College (or one of the other three Peralta Colleges) who are either on probation or parole or have completed their community supervision but are facing challenges with their academic pursuits or achieving long-term stability in their community. The support program offers peer-mentoring and an academic and student services support program designed specifically with these students in mind and with their input. Students also direct and facilitate one-on-one and group mentoring processes, ensuring that formerly incarcerated and systems impacted men and women are understood and supported throughout their reentry, reintegration, and academic experience.


LEARNING CENTER
The Merritt College Learning Center is open to all students who would like assistance with instructional assignments and assistance in becoming efficient, effective, and independent learners. The Learning Center focuses on the provision of academic support and assistance to help students reinforce the mastery of concepts in college courses across the curriculum. Learning Center services are designed to help students acquire the skills needed to succeed in college courses.

The Learning Center houses the Tutorial Program, the Writing Across the Curriculum (WRAC) Program, an Electronic Classroom, a Mathematics and Science Learning Lab, and a Computer Lab. The Learning Center is open to all students who would like assistance with instructional assignments. Academic support services include:

- Free drop-in tutoring and mentoring in subjects across the curriculum.
- Free online tutoring.
- Open-entry/open-exit, self-paced courses in English and Learning Resources/Study Skills.
- Writing Across the Curriculum services to help students understand English fundamentals and the writing process.
- Mathematics and Science Learning Lab services to support developmental, vocational, collegiate, and transfer-level courses.
- Open computer labs and computer-aided instruction.
- Learning Center and classroom workshops on study skills and student success strategies.
- Study-skills strategies provided in the form of tip sheets, and online resources.
- Group study activities.

All students are eligible for free Learning Center services if enrolled in Learning Resources 501 (a non-credit, zero-unit, no-fee/free course). Students enrolled in the Learning Center’s English and Learning Resources/Study Skills courses are also eligible for free Learning Center Services.

The Learning Center is located in Building L, First Floor. Hours of operation: Monday through Thursday 8:00 a.m. – 6:00 p.m. and Friday 8:00 a.m. – 3:00 p.m. For additional information, call (510) 436-2442 or (510) 436-2443.

LIBRARY
The Library, located on the second and third floors of the L Building (above the Learning Center), welcomes all students to use its facilities, resources, and services to support their academic studies. Open both day and evenings, whenever classes are in session, the Library provides students with access to print and electronic books, research databases, course textbooks, and other reading materials. Computers, printers, and photocopiers are available for students to use for class assignments or research. Electrical outlets and WiFi throughout the Library allow students to use their own portable devices as well. In addition, students will find plenty of space for both individual and collaborative learning, including carrels, tables, and group study rooms. For distance education students, the Library offers electronic resources accessible off-campus and a chat service for connecting with a librarian for online assistance.

Visit the library website at www.merritt.edu/wp/library, call (510) 436-2557, or email: ask@merritt.libanswers.com for more information.

LOST AND FOUND
Lost and Found is located in the Office of Student Activities and Campus Life in Building R, Room 124. For information, call (510) 436-2535.

Lost and found items must be claimed within six months. Merritt College operates an outreach Education Center, Merritt College@Fruitvale, located at 1900 Fruitvale Avenue, Oakland, CA. Merritt College@Fruitvale serves a large community of speakers of other languages. The Center forms a vital link with community groups and agencies to plan and coordinate services. Merritt College@Fruitvale places special emphasis on English/Speakers of Other Languages (ESOL) courses. One of the goals for the center is to ease the transition of students to the main campus for first-time or nontraditional students. Students, therefore, are encouraged to take classes at the center and at the main campus.

The instructional program (credit and noncredit courses) and bilingual student services offered by Merritt College@Fruitvale strive to provide a positive experience and to build confidence in students as they apply for college, begin study, and transition to the main campus of Merritt College and other Peralta colleges. For additional information, call (510) 536-1830.
MERRITTWORKS (CALWORKS)
MerrittWORKs is the name applied to the CalWORKs program on the Merritt campus. Merritt College works in collaboration with the Alameda County Department of Social Services to help families with dependent children transition from welfare to work. The program provides support services to students who are enrolled in classes and who are currently receiving aid for dependent children. Services provided include academic, personal and career counseling; work-study opportunities; design of individualized student education plans; job placement; supervised study time; life skills and special interest workshops; and, information and referral to other student services, support services and agencies. The Department of Social Services provides transportation vouchers and checks for student supplies and books on a limited basis. For information, contact the MerrittWORKs Office in Building R, Room 128, or call (510) 436-2469 for the MerrittWORKs counselor.

ORIENTATION (ONLINE OR IN-PERSON)
All new students at Merritt College must complete an Orientation to College session. This session lets students know what to expect at college, how often to see a counselor, information about planning a schedule, and where to find the resources needed to succeed. Refer to the Orientation Schedule in the current Schedule of Classes for dates, times, and locations of scheduled orientation sessions, or go to www.merritt.edu/wp/orientationandassessment. The college also offers Online Orientation. Go to the website: www.studentpathway.com/peralta/merritt.

PARKING ON CAMPUS AND TRAFFIC REGULATIONS
The responsibility for establishing rules and regulations for vehicles and parking on Merritt College property is vested in the college and district administration (Section 2113 of the California Vehicle Code and Section 76360 of the California Education Code). Vehicle and parking regulations are as follows:

- All persons who drive motor-powered vehicles on the Merritt campus shall abide by the State of California Vehicle Code pertaining to motor vehicles and special regulations that have been or may be invoked at any time.
- Daily tickets may be purchased from the boxes located in the parking lots, or semester parking permits may be purchased from the Cashier’s Office. Permits are not replaceable or refundable. The lots are monitored, and parking tickets are issued for cars not displaying a daily ticket or a parking permit. Violators of traffic regulations are prosecuted in the Oakland traffic court.
- Parking of private vehicles on Merritt College property is done at the risk of the owner.
- Parking lot A and a portion of parking lots C and D are reserved for faculty, staff, visitors, and motorcycle parking. Students are not permitted to park in lot A, or in reserved spaces marked for staff and visitors in lots C and D.
- Student parking lots are C and D (excluding reserved spaces for staff and visitors) and E. All vehicles must park in designated areas and display a parking ticket/permit.
- A vehicle left unattended in an area that constitutes a traffic hazard will be towed at the owner’s expense.
- All provisions of the California Vehicle Code apply to individuals driving (and to vehicles being driven) on the campus. These regulations are strictly enforced. Violators will be cited, and vehicles parked illegally may be towed at owner’s expense. College officials do not have authority to rescind or to arbitrate citation matters.
- The speed limit on the Merritt campus is 15 m.p.h. The speed limit on Campus Drive is 30 m.p.h. Because of the hazardous nature of the curve on Campus Drive, it is essential that the speed limit be observed.
- Parking spaces designated “Handicapped” are reserved for vehicles displaying a state disabled/handicapped permit. Temporary permits are issued in the Business Services Office.
- Visitors to the campus may park in green (30-minute) zones for a maximum of 30 minutes without a permit. Visitors intending to remain longer than 30 minutes must park in a fee lot and pay $2.00.
- Questions or problems involving parking should be referred to the Dean of Student Support Services.
SCHOLARSHIP INFORMATION

Information regarding scholarships and the application process is made available during spring and fall terms. There are a variety of scholarships available to help fund a college education. For scholarship information, please contact Merritt College Student Services: (510) 434-3896.

1. Peralta Foundation Scholarships
   Peralta Foundation awards on average $175,000 in scholarships annually. The students who attend Peralta Colleges (Berkeley City College, College of Alameda, Laney College, or Merritt College) are eligible to apply. Gifts from alumni, employees, committed citizens, corporations, and foundations help many students who lack financial resources achieve their educational and career goals. Scholarships are offered in spring and fall every year. Visit www.peraltafoundation.org/scholarships for information and application deadlines.

2. Merritt College Project Success Aid Program
   The Project Success Emergency Aid Program is designed to assist students in dealing with unforeseen financial emergencies, which if not resolved quickly, could lead to a student’s departure from the institution and loss of momentum toward completion. Qualifying students may receive up to $500.

   Eligible students will:
   • Be enrolled part-time or full-time in a certificate, associate or bachelor’s degree program at the time of the aid request. The program does not extend to graduate students.
   • Complete the online application and upload supporting documentation of the financial need (i.e., required uninsured medical treatment, automotive repair estimate, notice of unexpected change in housing or utilities expense).
   • Benefit from having an expense paid with emergency aid through this program, not to exceed $500 during the life of the aid program.
   • Be enrolled during the semester in which emergency aid funds are awarded.
   • Be entitled to use of the emergency aid funds with no expectation of repayment.

   Emergency aid funds may:
   • Be paid to third parties by the institution or by issuing a gift card for a student’s financial emergency—defined here as an unforeseen expense that if not resolved quickly could lead to the student’s departure from the institution and loss of momentum toward completion. Categories of eligible expenses include, but are not limited to, utilities, housing/rent, food, medical/dental, transportation, and childcare.
   • Be awarded for the unexpected expenses of an eligible undergraduate regardless of how many credits the student has earned, as there is no undergraduate credit minimum or maximum for this program.

3. Associated Students of Merritt College Scholarships
   The Associated Students of Merritt College offers a variety of scholarships during the spring semester. For more information, please call Student Activities at (510) 434-3982 or email Merritt's Director of Student Activities and Public Life at hkitchen@peralta.edu

STUDENT ACTIVITIES AND CAMPUS LIFE

The Office of Student Activities and Campus Life provides a variety of services and activities that enhance student life on the Merritt College campus. Student Activities and Campus Life oversees the Associated Students of Merritt College, Inc. (ASMC) and the Inter-Club Council (ICC), sponsors a variety of multicultural enrichment events, and plans the student leadership retreat and ASMC swear-in ceremony.

Services provided include:
• Student Identification Cards
• Posting Requests
• Tabling Requests
• ASMC Chambers Reservations
• Facilities Reservations for Student Clubs
• Lost and Found
• ASMC Parking Permits
• Requisitions for Student Clubs
• Student Travel (ASMC) and Conferences
• Fundraising Requests
• Student Club Chartering
• Student Club Advisement and Event Planning for Student Clubs

For more information regarding student clubs, student government/ASMC and student organizations, contact the Office of Student Activities and Campus Life at (510) 436-2535.

STUDENT CENTER (BUILDING R)

The Merritt College Student Center (Building R) houses all offices providing services to students under the auspices of Student Services Administration. See individual listings for description and office locations.
STUDENT SERVICES

STUDENT CLUBS AND ORGANIZATIONS
Student clubs and organizations were established to provide opportunities for students to participate in scholastic, social, cultural, and recreational pursuits outside the regular classroom schedule. In order for a club or organization to be sponsored by the ASMC and the Inter-Club Council (ICC), it must abide by the campus policy on club activities, which includes submitting a club packet in Fall semester of each academic year to the Office of Student Activities and Campus Life.

Current Merritt College student clubs and organizations:
- Ability Counts
- Asian American Pacific Islander Club
- Black Student Union
- Business Leaders of Merritt College
- Criminal Justice
- Fellowship of Christian Students at Merritt
- College FYE IMPACT
- International Student Association
- Intertribal Student Union
- Investors Club
- Phi Theta Kappa Club
- Puente Club
- Street Scholars Club
- Tobacco Less Club
- Unity Club

For information about Merritt College student clubs and organizations, go to Building R, Room 124, or call (510) 436-2535.

STUDENT ID CARD
Upon admission into the Peralta Community College District, new students are entitled to one student ID card from one of the District colleges at no cost; thereafter, a replacement fee of $5.00 is charged. Students need only obtain an ID card from one of the District colleges. A student ID card is issued after a student is enrolled in at least one Merritt College course and fees have been paid. Students must bring a current class schedule printout and a current California driver's license or photo ID to the Student Activities Office to receive an ID card. The student ID card is important because it will be used to access various resources, such as tutoring, the library, financial aid assistance, and other services.

In subsequent semesters, students need only obtain a semester sticker for the ID card. To obtain a semester sticker, students must present a current class schedule printout to the Student Activities Office. Semester stickers are free.

The Student Activities Office is located in Building R, Room 124.

TRANSFER CENTER
The Transfer Center provides information and support to students for the transfer process, information on transfer activities, and programs that link Merritt College and 10 University of California and 23 California State University campuses, and many independent colleges and universities located throughout the Bay Area and the United States. Services provided include the following:
- Transfer counseling (selecting a major, completing lower-division requirements, etc.).
- Resource library of college catalogs.
- Online monthly calendar of transfer events.
- Tours to four-year colleges and universities.
- Appointments with visiting college representatives who provide application assistance.
- Application, personal statement, and transfer workshops.
- Transfer admissions guarantee and 4-year concurrent enrollment program information.

The Transfer Center is located in Building R, Room 105. For information, call (510) 436-2445.

TUTORIAL PROGRAM
The Tutorial Program, housed and operated in the Learning Center, provides students with qualified student tutors in various academic areas. Tutors support the student's regular instructional program through individual and small-group tutoring. Tutorial assistance provides support, motivation, and encouragement for students. This service is free to all Merritt students. To sign up for tutoring services, a student must complete a brief application and indicate the hours available for tutoring. Those students who are interested in becoming tutors can contact the Tutorial Coordinator at (510) 436-2442 or 436-2443. The Tutorial Program is located in Building L, First Floor.

VETERANS SERVICES
The Veterans Services Office offers information regarding applications and certification for benefits for those eligible for the Montgomery G.I. Bill, Selected Reserve, VEAP, Vocational Rehabilitation, or Survivors and Dependents of Deceased or Disabled Veterans.

The primary function of this office is to provide certification to the Veterans Administration Office that eligible veterans are enrolled at the college and pursuing approved educational goals. Staff is available to provide help with application processing and to complete check inquiries with the Veterans Administration Office. Veterans must maintain academic progress as outlined in the college catalog. Additionally, in order to receive benefits, veterans must declare a major and will only be paid for classes required for that major as designated by the veterans' academic counselor.

For information, visit Veterans Services located in Building R, Room 105J, or call (510) 436-2595.
The Merritt College Welcome Center provides courteous and professional customer service while relaying detailed information about college programs, services and policies to students, staff, faculty, and community members. We encourage students to utilize the Welcome Center to get student assistance with our registration and enrollment process and/or referrals to the many support services that Merritt College offers. Additionally, we provide directions to and within the campus as well as scheduled tours.

We welcome you to stop by Building R, Room 105 or contact us at (510) 436-2445.
ADMISSIONS, ENROLLMENT AND FEE POLICIES
ELIGIBILITY FOR ADMISSION

Students who are 18 years of age or older and can profit from college level instruction are eligible for admission as California residents or nonresidents. Students under 18 years of age may also enroll if high school graduation has occurred or a General Education Diploma (GED) or California High School Proficiency Examination (CHSPE) Certificate has been earned.

RESIDENCE REQUIREMENTS

To qualify as an in-state resident for tuition purposes, the applicant must live continuously in California for at least one year immediately preceding the residence determination date, which is the day before the first day of the term of application for admission. The applicant must also provide evidence of intention to make California a permanent home.

The applicant is responsible for demonstrating both physical presence in California and intent to establish California residence; an unmarried minor’s residence is the same as parents or legal guardian(s). In addition, the applicant must be a U.S. citizen or hold U.S. Immigration status that does not prevent establishment of residency.

ADMISSION OF NONRESIDENT STUDENTS

Students who are not legal residents of California for one year and one day prior to the first day of the term may enroll as nonresident students. Nonresident students are subject to the following fees: Nonresident Tuition, California Community College Enrollment Fee, Campus Center Use Fee, Health Services Fee, and AC Transit Fee. Nonresidents who are both citizens and residents of a foreign country also pay a Capital Outlay Fee. Information regarding tuition and refunds is found in the “Fees” section of the catalog.

NOTE: Nonresident students pay all fees unless exempted.

ADMISSION OF INTERNATIONAL STUDENTS

Special regulations govern the admission of F-1 international and non-immigrant students. International students should contact the Office of International Education for application and admissions information at (510) 466-7380 or by fax at (510) 465-3257 or email globaled@peralta.edu. All F-1 international students must complete an additional application along with a $50 application fee and other documents. Visit www.peralta.edu/international to learn more about the application process. The Office of International Education is located next to the Peralta Community College District main office at 333 East Eighth Street, Oakland, CA 94606, as well as at Berkeley City College, 2000 Center Street, Berkeley, CA 94704.

ADMISSION OF HIGH SCHOOL STUDENTS

Peralta’s concurrent enrollment program provides enrichment opportunities for high school students who can benefit from college level instruction. Access to the Concurrent/Dual Enrollment Program is not allowed for (1) remedial work, (2) work to make up for failed high school or middle school classes, (3) recreation or hobbies, or (4) any class that can be accessed at the local K-12 school. A high school student may enroll in Peralta colleges as a special part-time student. However, if enrolling in 11.5 units or more full tuition and all other fees must be paid. A high school principal must make a recommendation for enrollment, and proof of parental or guardian consent and a counselor signature on the high school concurrent/dual enrollment form must be provided.

Participation in the concurrent enrollment program will result in college credit. With approval from the high school, high school credit may also be received. Following student request, the Office of Admissions and Records will send the college transcript to the high school. Enrollment in a college-level course requires adherence to regulations and policies of the college, including prerequisite requirements. High school students must bring a transcript to help with self-placement.

SPECIAL ADMISSION OF K-12 STUDENTS

K-12 Special Enrollment provides enrichment opportunities for students who can benefit from college level instruction. Peralta Community College District may admit a limited number of K-12 students who have exceptional abilities, or who desire specialized or advanced training. Such admission must be with the recommendation of the principal and approval of the parent(s) or guardian(s).

Students enrolling in a college level course must meet enrollment requirements. The student must follow all the regulations and policies of the college, including adhering to any prerequisite requirements. K-12 students may enroll only in a selected number of courses listed below. Special part-time, concurrently enrolled K-12 students are exempt from California Community College enrollment fees. However, all other fees are required and must be paid at the time of registration. (See the current Peralta Colleges Class Schedule for current health, campus use, and transportation fees). Special enrolled K-12 students may not enroll in more than one approved class per semester, except in summer when students may enroll in two approved classes. For a list of approved classes visit the District Special Enrollment website at www.peralta.edu.

NOTE: Students admitted under the K-12 Special Enrollment earn actual college credits that count towards financial aid eligibility in future semesters.

All coursework is governed by the Family Rights and Privacy Act, which allows release of academic information, including grades, to the student only, regardless of age. Academic information is not released to parents or third parties without the consent of the student.

(CONTINUED)
Steps for K-12 Special Enrollment:
1. Download the admission application and the K-12 Special Enrollment form [http://web.peralta.edu/admissions/forms].
2. Complete the admission application and the K-12 Special Enrollment form and obtain the signature of the school principal.
3. Submit the completed admission application and the Special Enrollment form to the Admissions office at the college.
4. The K-12 Special Enrollment Program form must be completed for each semester of desired attendance.

ADMISSION OF VETERANS
The College Veterans’ Services Offices were established to help process Veteran’s Affairs Educational Benefit paperwork and to coordinate with other campus services. New students should contact the office at least two months prior to the term they plan to attend to initiate required paperwork. Continuing students should check in at the Veterans Affairs’ Office at least one month prior to the next term of attendance to complete any paperwork that might be required for continuous VA payment. In addition, all recipients must confirm their classes with the Veterans’ Affairs Office after completion of registration, and once again the week before final exams begin. All material submitted to the Veteran’s Administration requires approximately two months for processing through the Regional Office in Muskogee, Oklahoma.

This institution will conduct an evaluation of previous education and training, grant appropriate credit, shorten the veteran’s or eligible person’s duration of course study proportionately, and notify the VA and student, accordingly. After completing 12 units at a Peralta college, a veteran may apply for evaluation of military service experience for college credit. A copy of the veteran’s DD-214 separation paper should be submitted to the Admissions and Records Office. Credit granted for military service is based on A Guide to the Evaluation of Educational Experiences in the Armed Services, published by the American Council on Education.

MILITARY RESIDENCE EXEMPTION
Nonresident U.S. military personnel on active duty in California (except those assigned for educational purposes to state-supported institutions of higher education), receive a waiver of nonresident tuition until discharged from military service. Nonresident U.S. military personnel on active military duty and stationed in California for more than one year immediately prior to separation from the military, are entitled to resident classification for up to one year after completion of active duty within California. This one-year waiver after military discharge allows the time necessary to establish permanent California residency. Non-California residents serving in the military and discharged in California, must show evidence of surrender of out-of-state residency. Waivers and procedures apply to dependents of active military duty parents or guardians in California.

OTHER RESIDENCY EXEMPTIONS
For additional residency exemptions visit our website at www.peralta.edu and review Administrative Procedure 5015 (AP5015) [http://web.peralta.edu/trustees/files/2011/04/AP-5015-Residence-Determination.pdf].

ADMISSIONS PROCEDURES
Apply for admission online through the Peralta Colleges website (www.peralta.edu), and select the college of your choice. Please follow the Open CCCA instructions to complete and submit the online admission application. Once submitted, a message is sent to your Peralta email or an email assigned by Open CCCA, providing instructions for logging onto the Passport Student Center for enroll in classes. Unless exempted from Student Success and Support Program Services, you must also complete enrollment, orientation, and counseling requirements. Detailed instructions may be found online and in printed the printed Schedule of Classes. On-campus assistance for online registration is available in the Merritt College Welcome Center in Building R, Room 105.

A separate application must be filed for entrance into the Nursing and Radiologic Science programs at Merritt College. See detailed eligibility and admission requirements for these programs in the Curriculum Patterns and Courses section of the Merritt College catalog. Official transcripts of past academic records should be sent to the Peralta Community College District Admissions and Records Office. The address is 333 E 8th Street, Oakland, CA 94606. The student is responsible for requesting that the transcripts from other schools previously attended be mailed directly to the District Admissions and Records Office by the school issuing them. All first-time students are required to complete the three core services as part of the Student Success and Support Program (SSSP) services. The three core services include orientation and advising, enrollment and meeting with a counselor before enrolling in classes.

AB 705
AB 705 is a law that requires colleges to maximize the probability that a student will enter and complete transfer level coursework in English and mathematics within a one-year timeframe, and use, in the placement of students into English and mathematics courses in order to achieve this goal, one or more of the following measures:
- High school coursework, grades, and/or grade point average (GPA) from transcripts or CalPASS
- Self-reported high school transcript information; or,
- Guided placement, including self-placement for students.

Merritt College provides a variety of additional instructional support and student services assistance to increase course success.
## ADMISSIONS, ENROLLMENT AND FEE POLICIES

The following tables are default placement rules based on AB 705 implementation guidelines from the California Community Colleges Chancellor’s Office and the Academic Senate for California Community Colleges (Memo AA 18-40).

### AB 705 PLACEMENT GUIDELINES FOR ENGLISH

<table>
<thead>
<tr>
<th>High School Performance Metric for English</th>
<th>Recommended AB 705 Placement</th>
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</table>
| HS GPA ≥ 2.6                              | English 1A Composition and Reading  
No additional academic or concurrent support required |
| HS GPA 1.9 - 2.6                           | English 1A Composition and Reading +  
English 508A/B/C Academic Composition Skills  
Strongly recommended |
| HS GPA < 1.9                               | English 1A Composition and Reading +  
English 508A/B/C Academic Composition Skills  
Required |

### AB 705 PLACEMENT GUIDELINES FOR MATHEMATICS

**PATHWAY OPTION 1: SLAM (STATISTICS & LIBERAL ARTS MATH)**
If you are planning to major in things like Psychology, History, Art, Ethnic Studies, Anthropology, Criminal Justice, Political Science, Health Education, Journalism, Child Development, or other non-technical fields, this is the path for you.

<table>
<thead>
<tr>
<th>High School Performance Metric</th>
<th>Recommended AB 705 Placement</th>
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</table>
| HS GPA ≥ 3.0                  | Math 13 Introduction to Statistics  
No additional academic or concurrent support required |
| HS GPA 2.3 - 3.0               | Math 13 Introduction to Statistics +  
Math 213 Support for Statistics  
Recommended |
| Otherwise                      | Math 13 Introduction to Statistics +  
Math 213 Support for Statistics  
Required |

**PATHWAY OPTION 2: B-STEM (BUSINESS, SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS)**
If you are planning to major in things like Business Administration, Finance, Physics, Chemistry, Engineering, Architecture, Computer Science, or other technical fields, this is the path for you.

<table>
<thead>
<tr>
<th>High School Performance Metric</th>
<th>Recommended AB 705 Placement</th>
</tr>
</thead>
</table>
| HS GPA ≥ 3.6 or  
HS GPA ≥ 3.2 AND in Pre-calculus “C” or better | Math 3A Calculus I  
Passed Pre-calculus, or Trig (or higher) with a “C” or better |
| HS GPA ≥ 3.4 or  
HS GPA ≥ 2.6 AND took HS Calculus course | Math I Pre-calculus and/or  
Math 50 Trigonometry  
No additional academic or concurrent support required |
| HS GPA 2.6-3.4 or  
Took HS Pre-calculus course | Math 1 + Math 215 Support for Pre-Calculus  
and/or  
Math 50 + Math 216 Support for Trigonometry |
| Otherwise                      | Math 1 + Math 215 and/or  
Math 50 + Math 216 required |

If you are not transferring, but are seeking an Associate’s Degree or Certificate only, your program may have specific math requirements. You should check with that program or with a counselor to make sure you are taking the math you need.
ORIENTATION AND ADVISING
All first-time and other interested students are required to participate in an orientation and advising session. College programs, services, and facilities will be explained and interested students will be directed to student activities and to leadership opportunities. Counseling staff will assist students with course selections. Refer to the section on the Student Success and Support Program (SSSP).

FOLLOW-UP COUNSELING
All new students are encouraged to meet with their counselors at least once during the first semester of attendance. This session helps students with goal setting, selection of a major, career exploration, and the completion of an educational plan. Students are encouraged to make an appointment early in the semester. The counseling process is a combination of academic advisement, evaluation of prior school transcripts, testing, and identification of career and educational goals—all designed to facilitate student success.

SUBMISSION OF TRANSCRIPTS
Students must request in advance and provide Official transcripts covering ALL previous high school and college coursework. Transcripts should be mailed directly to the Peralta District Admissions and Records Office by the issuing school, or students may bring official transcripts (sealed) in person to the Merritt College Admissions and Records Office or to their counselor. The address of the Peralta District Admissions and Records Office is 333 E 8th Street, Oakland, CA 94606.

ENROLLMENT POLICIES AND PROCEDURES

ADDING CLASSES/CHANGE OF CLASSES
The last day to add regular session (full-term) classes is available online www.peralta.edu under Admissions and Records. This is also published in the academic calendar of the current Schedule of Classes. After the specified date, only short-term or open-enrollment classes may be added. Refer to the current Schedule of Classes for procedures to follow to add and drop classes.

ATTENDANCE POLICIES
1. Attendance is expected at every meeting of all courses in which students are enrolled.
2. Instructors may drop a student from class if the number of absences during a semester exceeds the number of times the class meets in two weeks, unless there are extenuating circumstances warranting special consideration by the instructor.
3. All instructors may drop students who do not attend class by Census Day if the student has not contacted the instructor with an explanation satisfactory to the instructor as to why he/she has not attended. All drops must be recorded on the Census Rosters and Instructors’ Class Records.
4. It is the student’s responsibility to drop from classes that they do not wish to attend. Instructors have two opportunities to drop students
   (1) Instructors are to drop students on the online Census Roster; and, (2) Instructors are to drop students using the online Attendance Verification Roster. Instructors will no longer indicate drop dates on rosters or submit Drop Cards for students.
5. The instructor’s decision to drop a student for not meeting the attendance requirements of the class is FINAL.
6. A leave of absence may be granted by the instructor for limited periods to cover illness, hospitalization, or acute emergencies. Requests for such leaves should be made directly to the instructor by contacting the instructor either in person, by phone, or by email.
7. Responsibility for making up work missed because of absence rests with the student.
8. District policy limits attendance in classes to those who are officially enrolled in the class.

AUDITING CLASSES
Peralta Board Policy does NOT permit students to audit classes. Class attendance is limited to students who are officially enrolled.

ENROLLMENT IN CONFLICTING CLASSES
Students are NOT permitted to enroll in classes with conflicting or overlapping meeting times.

EXCESS UNITS
Students may not enroll in more than 18 units at the Peralta Colleges without prior approval. Counselor approval is required for enrollment in a combined total of 18.5-21.5 units per semester at all Peralta Colleges. Enrollment in 22-25 units per semester requires the approval of the Vice President of Student Services. Under no circumstances will approval be granted beyond 25 units. The maximum load for summer session is 10 units.

NO SHOWS
Students who are not present at the first class meeting may be dropped by the instructor, and their seats may be given to a student on the wait list.
OPEN CLASSES/OPEN ENROLLMENT
It is the policy of the Peralta Community College District that, unless specifically exempted by statute, every course, course section or class, wherever offered and maintained by the District and for which the average daily attendance is to be reported for state aid, shall be fully open to enrollment and participation by any person who has been admitted to the college(s) and who meets such prerequisites as may be established pursuant to Chapter II, Division 2, Part VI, Title 5 of the California Administrative Code, commencing with Section 51820.

STUDENT STUDY LOAD
In order to complete an Associate in Arts or Associate in Science Degree at one of the Peralta Colleges in two years, an average study load of 15 units per semester is advised. A full-time study load is 12 units. A student may not carry more than 18 units a semester without special permission. Such permission ordinarily is not given to any student who has not maintained a grade-point average of 3.0 the previous semester. 
(See section on Grades and Grade Points for explanation of grade-point average).

An absolute maximum unit load is set for 25 units at an individual college or combination of Peralta colleges. Advance approval from an admissions counselor for carrying in excess of 18 units, including variable units, must be filed in the Admissions and Records Office. For summer session, a maximum unit load is set for 10 units.

It is recommended that students who are employed consider carefully their unit loads and study time in relationship to the number of hours they spend on their jobs.

PROGRAM PREPARATION
Students should consult college counselors when preparing their programs. Required courses are listed under each vocational and liberal arts major prior to the course descriptions. Certain state university and college requirements are listed in the section “Transfer Information” to aid students who wish to develop a tentative program before meeting with a counselor. Continuing students should consult a counselor as soon as possible for assistance in preparing a program of classes. Students may not enroll in classes which have conflicting or “overlapping” scheduled meeting times.

WAIT LISTS
During the enrollment period prior to the start of classes, students wishing to add classes which have reached the enrollment limit, can add themselves to the wait list. A process will run each night that will automatically enroll students in the class from the wait list as seats become available. An email will be sent to the student’s Peralta email notifying him/her of the enrollment and the charge to his/her student account. Students should check their Peralta email regularly. The last day a student can add to a wait list is the day before the first day of the term. Wait lists apply only to regular session (full-term) classes.

After classes begin, students enrolled in the class who do not show up for the first class meeting may be dropped by the instructor who will then add students from the wait list. If you are not moved into the course from the wait list during the enrollment period, you must be sure to attend the first meeting of the class to be considered for late enrollment from the wait list. If there is a space available and you are not at the class, you will lose your place on the wait list and another student may be added instead.

Important details you should know:
- Adding to a wait list does not guarantee enrollment in the class. All corequisites or prerequisites must be completed before you will be enrolled from the wait list.
- You will not be enrolled from the wait list if the class conflicts with times of your existing class schedule.
- You can view your wait list position in your online student center (under class schedule).
- You can remove yourself from a wait list the same way you would drop a class in your online student center.

DROPPING CLASSES/WITHDRAWAL
Dropping or withdrawing from a course is not an automatic process. It is the student’s responsibility to drop the classes he/she is not attending. If the student does not drop a class, he/she will be charged and could receive an “F” grade that will appear on the student’s permanent record. Students are responsible for dropping classes using the Passport System or at the college Office of Admissions and Records. Students should refer to the academic calendar in the catalogs or the class schedule to determine the deadline dates for dropping a class with a refund, with no grade, or with a “W” grade. A withdrawal that occurs prior to the Census date shall not be noted on the student’s academic record.

A “W” grade symbol will be recorded on the student’s transcript upon withdrawal during the period after the Census date and the end of the fourteenth week of instruction (or between 21% to 75% of instruction for the summer session and short-term courses). The “W” grade symbol shall not be used to determine academic probation but only to determine progress probation. The academic record of a student who did not withdraw from a class nor was dropped by the class instructor within the time allowed must reflect a grade other than “W” as awarded by the instructor.

Students will not be permitted to withdraw and receive a “W” in a class more than three times (substandard grades are also included in determining the ability to repeat courses).

Enrollment Fee Refund Information can be obtained at the following link http://web.peralta.edu/admissions/ payment-policies/.
For more information on AB 540 and the California Dream Act, please visit https://dream.csac.ca.gov.

To apply for EOPS, students should submit a California Dream Act Application. To maximize financial aid opportunities, AB 540 students who are ineligible to file a FAFSA should submit a California Dream Act Application.

AB 540 Guidelines & Requirements for Eligibility:
- Must have attended a high school for at least three years or an equivalent amount of time.
- Must have attended at least one year of high school in California.
- Must have attended at least one year of college in California.
- Must have completed an associate’s degree from a California Community College.
- Must have attended a combination of California high school, adult school, and community college for the equivalent of three years or more.
- Must have attended a combination of California elementary, secondary, and high school for three years or more.
- Must have completed an associate’s degree from a California Community College.
- Must have completed the minimum requirements at a California Community College for transfer to the California State University or the University of California.
- Must have attended a campus of the California Community Colleges that shall not exceed a total of two years of full-time attendance.
- Must register or be currently enrolled at an accredited school in California.
- Must file or will file an affidavit as required by individual institutions, stating that the filer will apply for legal residency as soon as possible.
- Must not hold a valid non-immigrant visa (Non-immigrants, as defined by federal law, have been admitted to the United States temporarily and may have been granted one of the following visas: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, TD, V, TROV, NATO.

The California Dream Act (AB 131) expanded AB 540 to include students who attended and graduated from technical schools and adult schools, if at least one of those 3 years included attendance at a California high school.

Students who are non-immigrants (for example, those who hold F (student) visas, B (visitor) visas, etc.) are not eligible for this exemption. Eligible students must file an exemption request including a signed affidavit with the college that indicates the student has met all applicable conditions described above. Student information obtained in this process is strictly confidential unless disclosure is required under law.

The AB 540 CA Nonresident Tuition Exemption Form can be requested and submitted to Admissions and Records or downloaded online at www.peralta.edu/admissions/files/2014/11/AB-540-Affidavit-CA-Nonresident-Tuition-Exemption-10-6-141.pdf. Students eligible for this exemption who are transferring to another California public college or university must submit a new request (and documentation if required) to each college under consideration.

Nonresident students meeting the criteria will be exempted from the payment of nonresident tuition, but they will not be classified as California residents. They continue to be "nonresidents." These students remain ineligible for federal financial aid. Under the California Dream Act of 2011, AB 130 and AB 131, they are eligible to apply for some forms of financial assistance including institutional scholarships such as the Peralta Foundation Scholarship, the Board of Governors Fee Waiver, Chafee Foster Youth Grant, and Cal Grants. AB 540 students may also apply for EOPS. To maximize financial aid opportunities, AB 540 students who are ineligible to file a FAFSA should submit a California Dream Act Application.

For more information on AB 540 and the California Dream Act, please visit http://web.peralta.edu/admissions/residency-requirements.
NONRESIDENT CAPITAL OUTLAY FEE
Nonresident students who are both citizens and residents of a foreign country will be charged a Nonresident Capital Outlay Fee in addition to the Nonresident Tuition, California Community College Enrollment Fee, Campus Center Use Fee, Health Services Fee, and AC Transit Fee. The Nonresident Capital Outlay fee is $15 per semester.

NOTE: Nonresident students pay all other fees unless specifically exempted from paying a particular fee.

CAMPUS CENTER USE FEE
In addition to the California Community College Enrollment Fee, Nonresident Tuition and Nonresident Capital Outlay Fee, there is a Campus Center Use Fee of $2 per campus, per semester (excluding off-campus locations), to be collected at the time of enrollment. High school students admitted on a part-time basis on the recommendation of their principal must pay the Campus Center Use Fee. Nonresident students must also pay the Campus Center Use Fee.

AC TRANSIT EASYPASS FEE
Proposition A* requires all Peralta students enrolled in six or more units to pay an AC Transit EasyPass bus pass fee of $42.29, thereby making them eligible to receive an AC Transit EasyPass bus pass. Students with EasyPass can ride all AC Transit bus lines, including local and Transbay service, at all times.

All students enrolled in six (6) or more units are required to pay an AC Transit EasyPass per semester that is collected at the time of enrollment. For more information and program updates visit, www.peralta.edu/student/ACTransitEasyPass or email easypass@peralta.edu.

* PCCD Student Government passed Proposition A in the May 2009 and again in May 2016. See Administrative Procedure 5030 (Student Fees)

CAMPUS PARKING FEES
Students must park their vehicles in authorized lots on the south side of the campus, and pay a Parking Fee of $2.00 per day. Disabled students, whose vehicles display a valid DMV placard and a valid parking permit, may park in designated disabled parking zones. Visitors park in a fee lot and pay $2.00 a day.

<table>
<thead>
<tr>
<th>Semester Parking Permit Fees:</th>
<th></th>
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<tbody>
<tr>
<td>Students enrolled less than 9 units:</td>
<td>$40.00</td>
</tr>
<tr>
<td>Students enrolled 9 units or more:</td>
<td>$29.00</td>
</tr>
<tr>
<td>Summer Session:</td>
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</tr>
<tr>
<td>Motorcycle (per semester)</td>
<td>$10.00</td>
</tr>
<tr>
<td>Motorcycle (Summer)</td>
<td>$5.00</td>
</tr>
</tbody>
</table>

A STUDENT DECAL MUST TO BE DISPLAYED ON THE AUTOMOBILE WINDOW WITH THE DAILY PAID PARKING RECEIPT
Both the decal and the parking permits are issued by the college Cashier’s Office.

STUDENT HEALTH FEE
Students are required to pay the Student Health fee of $18.00 per semester for fall and spring semesters, and $15 for summer session. This fee is collected at the time of enrollment. The Student Health Fee is subject to change as allowed by the State Legislature.

NOTE: Students who qualify in the following categories are exempted from payment of the Health Fee:
- Students who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or organization (documentation required);
- Students who are attending college under an approved apprenticeship training program.
- Students who are attending college in non-apportionment courses.

The Student Health Fee is refundable if the student drops all units on or before the last day to drop regular session classes.

STUDENT REPRESENTATION FEE
Under Education Code 76060.5, each college Student Body within Peralta College District elected to establish a Student Representation Fee of $2.00 per college, per semester, for each student. This fee provides support for students or representatives who present college positions and viewpoints before city, county, district governments, and offices and agencies of the state and federal governments. Students will be charged this fee unless a Student Representation Fee waiver form is submitted to the college Bursar’s Office before the last day of the applicable semester.

INTERNATIONAL HEALTH INSURANCE FEE
Once enrolled in classes, all international students will be automatically enrolled in the mandatory health insurance program through GeoBlue. Upon enrollment, students will receive a health insurance card, coverage benefits, and an information package from GeoBlue. For more information on current health insurance fees and links, please visit http://web.peralta.edu/international/student-health-insurance or to review AP 5030, please visit: http://web.peralta.edu/trustees/aps-aps.
ADMISSIONS, ENROLLMENT AND FEE POLICIES

RETURNED-CHECK FEE
There will be a $25.00 charge on checks returned to the college.

OTHER EXPENSES
Students should have adequate funds at the beginning of the semester to pay for books and enrollment fees.

Students may be charged for overdue or lost library books, pamphlets, and periodicals. Certain courses and programs require the purchase of supplies and/or equipment, provided such materials are of continued value outside the classroom setting and provided the materials are not solely or exclusively available from the district. Field courses and field trips may require personal transportation.

For further information about fees and the financial aid/scholarships available, stop by the Financial Aid Office.

TRANSCRIPT FEE
The Peralta Community College District has retained Credentials, Inc. to accept transcript orders online through a secured site. Students must pay transcript fees at the time of request. The first two transcripts ever requested are free; thereafter, a fee of $6.00 per copy for regular service (mailed within seven to ten business days) and $12.00 for rush service (mailed within three to five business days) will be assessed. See the website for other expedited delivery options: web.peralta.edu/admissions/official-transcript-request.

NOTE: The $2.00 handling charge applies to free transcripts). Official transcripts will include all coursework completed at Berkeley City College, College of Alameda, Laney College, and Merritt College.

FEE PAYMENT POLICY/DROPPING A STUDENT FOR NONPAYMENT OF ENROLLMENT FEES
Students must pay all applicable fees no later than two (2) weeks before the beginning of the term. If a student owes more than $800 in fees two weeks before the beginning of the term, all classes will be dropped. Students who add classes after the two-week deadline, and then owe more than $800 in fees, are required to pay all fees before classes start or their classes will be dropped. A hold will be placed on student accounts when fees are owed as of the last day of enrollment. The hold will block enrollment for future semesters and access to transcripts; the debt may be assigned to collections. For important dates, see the A&R website: http://web.peralta.edu/admissions/.

Student’s Responsibility to Drop:
Dropping or withdrawing from a course is not an automatic process. It is the student’s responsibility to drop the classes he/she is not attending. If the student does not drop a class, he/she will be charged and could receive an “F” grade that will appear on the student’s permanent record.

FEE PAYMENT DEADLINE
Tuition and enrollment fees are due and payable at the time of registration and each time subsequent classes are added.

FEE PAYMENT OPTIONS
There are several fee payment options available: in person at the Cashier’s Office; by mail (check or money order made payable to Peralta Community College District); online by credit/debit card (Visa or MasterCard); and by payment plans that are available upon request. For additional information, go to http://web.peralta.edu/admissions/fees/payment-policies, and follow appropriate links to Payment Policy.

INSTALLMENT PAYMENT PLANS
Students who owe fees from the current or previous terms may opt to pay these fees through an installment payment plan. Students are required to pay at least $25 of their owed fees and develop an installment payment plan prior to enrolling in classes. Students can only participate in one payment plan. Please refer to the Peralta District Admissions and Records website on payment policies for more details: http://web.peralta.edu/admissions/payment-policies.

PAYMENT OF CHARGES AND FINANCIAL AID DISBURSEMENTS
When receiving financial aid disbursements, all eligible charges, upon authorization, will be deducted before remaining amounts are released. For more information on Financial Aid disbursements, please visit http://web.peralta.edu/financial-aid or the campus Financial Aid office.

ENROLLMENT FEE REFUND POLICY
Class Cancellations
The State-mandated Enrollment Fee will be fully refunded if an action of the college (e.g., class cancellation) prevents class attendance.

Regular Session (Full-Term) Classes
If registration is cancelled prior to the first day of instruction, or if official withdrawal from classes occurs during the first two weeks of instruction, a full refund, less a $10 processing fee (charged whether or not the class was attended) will be disbursed.

If an official change of program occurs during the first two weeks of instruction, and as a result reduces the number of units, a refund will be disbursed. If the change results in placement in a different enrollment fee category; a processing fee is not applicable in this case.

If an Enrollment Fee of less than $10 is paid, and registration is cancelled or withdrawal from all classes occurs before the deadline, the processing fee shall equal the Enrollment Fee.
ADMISSIONS, ENROLLMENT AND FEE POLICIES

No refund of the Enrollment Fee will be made to any student who withdraws from classes after the first two weeks of instruction. This refers to fall and spring semesters only. Please refer to deadline dates in the Schedule of Classes for information regarding other sessions.

Members of an active or reserve military unit who receive orders compelling a withdrawal from courses, may, upon petition, receive a full refund of the Enrollment Fee unless academic credit is awarded.

**Short-Term and Open-Entry/Open-Exit Classes**

Students who enroll in short-term or open-entry/open-exit classes will receive a 100 percent refund if official withdrawal occurs within 10 percent of the first class meeting. No refunds will be issued after the this date. Please refer to the deadline dates in the Schedule of Classes.

**Variable-Unit Classes**

No refund shall be made for variable units not earned by the student.

**NONRESIDENT TUITION AND CAPITAL OUTLAY FEE REFUND POLICY**

A full refund of Nonresident Tuition and Capital Outlay Fee will be made for any class that is canceled by Merritt College. Also, a 100 percent refund (minus a $20 processing fee) will be disbursed for any class from which you withdraw through the last day to drop regular session credit classes and receive a refund. There will be no refunds after this date. No refund will be made to you after the “no grade record date” for regular session classes. You may appeal to the Vice President of Academic and Student Affairs to waive restrictions of this refund policy for cases of extreme hardship.

**STUDENT’S RESPONSIBILITY TO DROP COURSES**

Dropping or withdrawing from a class is not an automatic process. It is the student’s responsibility to drop the class he/she is not attending. If the student does not drop the class, he/she will not receive a refund and a “F” grade may be assigned that will appear on the student’s transcript and permanent record.

**NONPAYMENT OF FEES AND OTHER OBLIGATIONS**

The college, under appropriate rules and regulations, will withhold grades, transcripts, diplomas and registration privileges, or any combination thereof, from any student or former student who fails to pay the enrollment fee or nonresident tuition. Grades, transcripts and diplomas will be withheld from students or former students who fail to pay loans, other fees, or obligations that have been properly charged.

**MERRITT COLLEGE STUDENT SUCCESS AND SUPPORT PROGRAM (SSSP)**

**NOTE**: Chinese and Spanish translations may be found online at: http://peralta.edu/wp/translations.

The Student Success and Support Program (SSSP), previously known as Matriculation, is a state-mandated program/process that brings the College’s staff and resources into a PARTNERSHIP with students to ensure educational success. Merritt College agrees to provide an organized process of: admission, orientation, enrollment assistance, counseling and/or advising, and the monitoring of student progress through follow-up activities. Students agree to declare a specific educational objective within a reasonable length of time, complete a Student Educational Plan, attend classes regularly, complete assigned course work, and maintain satisfactory progress toward the achievement of educational goals.

All students, except those exempted on the basis of locally established criteria (see Exemption from Student Success and Support Services) are expected to complete the State’s SSSP requirements.

**STUDENT SUCCESS AND SUPPORT PROGRAM (SSSP) COMPONENTS FOR EDUCATIONAL SUCCESS**

The following five components of SSSP will help ensure educational success:

1. Admission: The admissions application provides the college with information about educational plans and career goals. It also helps the college determine SSSP status.
2. Orientation: An orientation session introduces students to the college’s programs, services, academic regulations, expectations, and campus facilities; the focus is on how to succeed in college.
3. Enrollment Assistance: An enrollment assistance session helps students review requirements and measurements of current skills in reading, writing, and mathematics. The results are advisory only. In addition to measuring current skills, enrollment assistance gathers “multiple measures” information about previous academic experiences, study skills and habits, motivation and support system, and outside commitments.
4. Counseling and Advisement: A counselor helps students to develop a Student Educational Plan (SEP) and to select appropriate courses based on educational objectives, enrollment requirements, and “multiple measures” information.
5. Follow up: Counselors, on a regular basis, monitor student progress toward the attainment of educational goals. The counselor also assists in reviewing, updating, or revising educational plans. Counselors may refer students to support services as necessary.
Selection of any of the following educational objectives will provide you the opportunity to participate in the Student Success Program Services:

- Obtain a bachelor's degree (with or without an associate degree)
- Obtain a two-year associate/vocational or career technical education degree (without transfer)
- Earn a vocational/career technical education certificate (without transfer)
- Improve basic skills in English, reading, and/or mathematics
- Undecided goal

**NOTE:** Students who do not have an associate arts or higher degree and enroll in 12 or more semester units, are considered SSSP eligible, regardless of educational objectives.

The college strongly encourages and welcomes all students to participate in the SSSP services, regardless of criteria being met for exemption. However, if students are exempt, the college does not require participation the SSSP services. (See the following Peralta Community College District Exemption Policy.)

**EXEMPTION FROM STUDENT SUCCESS AND SUPPORT SERVICES (SSSP)**

Although chances for success in college are greater with participation in all of the Student Success and Support Services (SSSP) components (Orientation, Enrollment Assistance, and Education Planning/Counseling), students may be exempt from any or all of these services if the criteria listed below are met:

1. Student has already earned an Associate degree (AA/AS) or higher from an accredited college or university.
2. Student is enrolled or will be enrolled at a non-Peralta Community College, taking a course to satisfy a course requirement at a primary college (i.e., taking an intersession class).
3. Student’s educational goals do not include: transferring to a college/university from a Peralta community College, attainment of a certificate or degree from a Peralta Community College or career development.
4. Student is enrolling in courses that are mandated for employment or in response to a significant change in industry or licensure standards. In addition, students may be exempt from the SSSP process at the Peralta Colleges if enrolled in fewer than 12 units and have declared one of the following educational objectives:
   - Discover/formulate career interests, plans, goals;
   - Prepare for a new career (acquire job skills);
   - Advance in current job/career (update job skills);
   - Maintain certificate or license (e.g. Nursing, Real Estate);
   - Acquire educational enrichment (intellectual, cultural);
   - Complete credits for high school diploma.

**NOTE:** Even if students qualify for exemption, they may participate in any of the matriculation components.

**EXEMPTION FROM ORIENTATION COMPONENT**

Contact a counselor concerning possible exemption from the orientation component. Students with physical, psychological, acquired brain injury, visual, communication, or learning disability, requiring special assistance to participate in the registration, or other parts of the Orientation/Enrollment/Counseling process should contact Disabled Students Programs and Services at (510) 436-2429 or go to Building R, Room 109A.

**NOTE:** All students may participate in any of the SSSP components even though they qualify for exemption.

**STUDENT’S RIGHTS AND RESPONSIBILITIES/SSSP WAIVER FORM**


A student who wishes to file a complaint alleging unlawful discrimination in the implementation of SSSP practices, should refer to the Peralta Community College District Policy on Nondiscrimination in this Catalog. To challenge SSSP regulatory provisions or file a complaint, students should contact the Vice President of Student Services for information regarding applicable college policies and procedures.

Failure to comply with SSSP policies regarding the declaration of an educational goal and development of an educational plan without completing the necessary waiver form may result in the loss of services.
FINANCIAL AID

GENERAL INFORMATION REGARDING FINANCIAL ASSISTANCE

The Peralta Colleges provide financial assistance to those students whose family’s support and personal resources are insufficient to meet educational expenses. The amount of financial assistance is based on demonstrated financial need. The financial assistance programs include scholarships, grants, loans, and part-time employment. Through one or any combination of these resources, the colleges make every effort to qualified students. The amount of financial aid granted to a student is determined by the availability of funds, the extent of the student’s need, and his/her academic performance or promise.

Scholarships based on merit or financial need, or a combination of both, are offered to students by community organizations, parents’ employers, labor unions, churches, service organizations, and national foundations. These scholarships will be announced as they are made available to the college. They do not require repayment.

Grants are funds that do not have to be repaid. The amount a student receives is based on need and is determined by an authorized need-analysis system.

Loans are funds that have to be repaid after the student leaves school or drops below half-time enrollment. Most have a low rate of interest. The amount a student receives is based on need and is determined by an authorized need-analysis system.

Employment provides the student with an opportunity to earn money for school with Work Study Employers. This type of award is based on financial need.

Special Programs may be available through the Veterans Administration, California State Department of Rehabilitation, and Bureau of Indian Affairs, among others. Eligibility requirements vary.

Students applying for financial aid may take courses at any of the Peralta Colleges. However, a “home” campus will be assigned for aid purposes for the academic year. The home campus is the college at which the student plans to complete his/her academic objective.

For additional information and the most recent updates, refer to web.peralta.edu/financial-aid.

SUMMARY OF FINANCIAL AID ELIGIBILITY

To be eligible for financial aid, students must:
- Be enrolled in an eligible program at his/her home college and be a regular student working toward a degree, financial aid-eligible certificate, or transfer requirements for a four-year institution.
- Have a valid Social Security Number.
- Have a high school diploma or GED.

NOTE: Effective July 1, 2012, the Ability to Benefit test is no longer offered. Students without a high school diploma or GED who passed the Ability to Benefit test or completed six (6) college credits towards a degree or a certificate prior to July 1, 2012 are still eligible to continue receiving aid in future years.
- Be registered with Selective Service if required to register.
- Be achieving satisfactory academic progress.
- For most programs, have a need for financial aid as demonstrated by completion of the Free Application for Federal Student Aid (FAFSA).
- Not be in default on any student loan or owe a repayment on a grant made under any Title IV program.

For additional information, stop by the campus Financial Aid Office or refer to the campus financial aid webpage. You may also apply online at www.fafsa.gov.

APPLICATION PROCESS/DEADLINES

The application process for financial aid begins with the completion of the Free Application for Federal Student Aid (FAFSA) at www.fafsa.gov. The application is available October 1 for the following fall semester. Priority for aid will be given to students who apply early. A complete application and all corresponding documentation must be submitted to the Financial Aid Office. If you apply late or complete your financial aid application late, your application will be treated on a “first-come, first-served” basis until funds are exhausted. Students must apply each year for financial aid, beginning in January for the following academic year.

There are various financial aid deadlines throughout the year. Check the Financial Aid website at http://web.peralta.edu/financial-aid for a complete listing of deadlines.

SATISFACTORY ACADEMIC PROGRESS

Federal regulations mandate that all institutions of higher education establish minimum standards of “satisfactory academic progress” for students receiving financial assistance. All students who apply for and receive financial assistance are expected to meet the academic standards described in Peralta Colleges’ Financial Aid Satisfactory Progress Policies and Procedures. Copies of the Financial Aid Satisfactory Academic Progress Policy are available on the Financial Aid website at http://web.peralta.edu/financial-aid, or in the campus Financial Aid Office in Building R, Room 113.

REMEDIAL COURSEWORK

If a student receives financial aid for remedial coursework, and completes one (1) year or 30 units, no further aid will be paid for remedial study. The student may continue to enroll in remedial classes, but financial aid payments will be calculated only for degree-applicable coursework.
ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL)

Students who enroll in excessive ESOL coursework (over 45 units) without enrolling in classes leading toward their stated educational major or goal will be notified by the Financial Aid Office. ESOL students will be strongly urged to enroll in coursework that will assist them in completing their educational goal. To continue receiving financial aid, the student must enroll in at least one class leading toward their approved educational goal.

FINANCIAL AID CENSUS DATE

Each term the Financial Aid Office establishes a Census Date after which no adjustments will be calculated on funds paid for that term for units added or dropped. Students should check with their home campus Financial Aid Office for the Financial Aid Census Dates.

FINANCIAL AID DISBURSEMENT

In order to receive a disbursement, a student must have a completed application, a completed financial aid file and be enrolled in the required number of units.

Most aid is distributed on a three-payment-per-semester basis. Normally, the first payment is the week before the term begins, the second payment may be expected during the first week of each semester, and the second payment after the mid-point of each semester.

Student loans are disbursed in accordance with procedures set forth by federal regulations. Federal Work-Study recipients will be paid once a month.

Financial Aid funds are disbursed by BankMobile, a third-party funds management service that has partnered with Peralta Community College District (PCCD). All enrolled students who have applied for financial aid through the FAFSA or Dream Act application will receive a Peralta BankMobile activation kit. Students must consent to the receipt of a card and select their preference for financial aid disbursement. There are three methods to choose from:

1. Bank Mobile Account - an online financial account; the student uses PeraltaCard (debit card);
2. Direct deposit to an existing bank account; or
3. Check mailed to a home address.

The PeraltaCard will be mailed to each student’s current mailing address on file with the Peralta Community College District. It is critical that all students update their mailing address.

There are fees associated with BankMobile. Please read, review, and understand the BankMobile Fee Schedule. More information about BankMobile fees can be found at http://web.peralta.edu/financial-aid/sample-page/peraltacard-faqs/.

WITHDRAWALS AND REPAYMENT OF FINANCIAL AID FUNDS

Federal aid recipients who withdraw or are dropped from all classes by instructors are subject to regulations regarding the Return of Title IV funds. Students who withdraw or are dropped from all classes prior to completing more than 60% of the enrollment period are subject to these rules. Based on the date of the complete withdrawal or drop, the Financial Aid Office will determine the amount, if any, of “unearned” federal financial aid received by the student. If the student received more financial aid than the amount earned, the student will be billed for the overpayment.

Financial aid recipients are advised to:

• Avoid total withdrawal from all classes;
• Successfully complete at least six (6) units during the semester;
• If completely withdrawn from all classes, repay any “unearned” financial aid as soon as possible.

NOTE: Failure to do any of the above may result in the loss of financial aid eligibility.

STUDENT CONSUMER INFORMATION

Please note: Students are now limited to six full-time years of Pell Grants in a lifetime at any college. Students are advised that the financial aid information included here is limited. Additional information on all financial aid categories is available on the Financial Aid website or upon request at the Financial Aid Office. For additional consumer information, visit: www.merritt.edu/wp/financial-aid/consumer-information-2.
FINANCIAL AID

FEDERAL GRANT AND LOAN PROGRAMS

PELL GRANT
A Pell Grant is federal aid designed to provide financial assistance to those who need it to attend post-high school educational institutions. Basic grants are intended to be the “floor” of a financial aid package and may be combined with other forms of aid to meet the full cost of education. The actual amount of the grant is determined by the student’s estimated family contribution, the total cost of attending college, and enrollment status. Students will receive a Student Aid Report (SAR) from the Department of Education after the FAFSA application is processed, which constitutes official notification of the expected family contribution (EFC). The lower the EFC, the higher the award will be.

SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (SEOG)
The SEOG is a federal grant designed for students with financial need who receive the Pell Grant. Funds are limited.

FEDERAL WORK-STUDY (FWS)
This federally-funded program provides employment opportunities to students with financial need. Students awarded FWS receive an allocation of funds earned through part-time jobs on or off campus. FWS provides an excellent learning process through on-the-job training. Students must be enrolled and be eligible for financial aid to participate in FWS.

STUDENT LOANS
These loans are available to students who are enrolled at least half-time:

Subsidized Loans: The Federal Government will pay interest on subsidized loans during the in-school period and during the grace period following the student’s termination or graduation. The grace period is for six months.

Unsubsidized Loans: The student is responsible for paying the interest on unsubsidized loans during the in-school and grace periods.

Students are eligible if they meet the Department of Education’s criteria as listed with the Financial Aid Office. Further information about loans may be obtained on the Financial Aid website at www.peralta.edu/financial-aid, or by visiting the college Financial Aid Office in Building R, Room 113.

CALIFORNIA STATE AND OTHER GRANTS

CAL GRANTS
Cal Grant programs are available to California residents who qualify. To qualify, a student must be:
• A U.S. citizen, a permanent resident, or an eligible non-citizen;
• A California resident attending an eligible college located in California;
• Making satisfactory academic progress.

The college electronically transmits GPA verification for certain students.

Applying for a Cal Grant requires two forms:
1. The FAFSA form, obtained at www.fafsa.gov
2. A verified GPA form, obtained at www.csac.ca.gov/doc.asp?id=1177

Students must apply by March 2 to maximize their opportunity to receive an award. Students have until September 2 to apply if the March 2 Cal Grant deadline is missed AND they plan to attend a community college in the fall. However, the number of Cal Grant awards is limited.

CALIFORNIA COLLEGE PROMISE GRANT
California College Promise maximizes student access to need-based financial aid by leveraging the California College Promise Grant (formerly the Board of Governors fee waiver), ensuring students complete the Free Application for Federal Student Aid and Cal Grant application or Dream Act application, and participating in a federal loan program. The Peralta Community College District is committed to supporting and expanding activities and programs that increase enrollment and success such as Financial Aid and tuition assistance outreach, learning communities and other peer support, and transition courses from high school to college.

EXTENDED OPPORTUNITY PROGRAMS AND SERVICES (EOPS)
This program is primarily for the recruitment and retention of students from under-represented groups who are both educationally and economically disadvantaged. Referrals for grants are made for full-time EOPS students only. For additional information regarding this program, visit the campus EOPS office in Building R, Room 109.

SCHOLARSHIPS
Scholarships are available from various individuals and organizations. The amounts of and qualifications for these scholarships vary. Students interested in scholarships should check periodically with the Financial Aid Office, as new scholarships are constantly being made available to students, thanks to many community supporters of the college.
FINANCIAL AID

BUREAU OF INDIAN AFFAIRS GRANT (BIA) / TRIBAL GRANTS
The Bureau of Indian Affairs grants offer assistance to eligible American Indian students to meet their college costs. These students must be at least one-fourth American Indian, Eskimo or Aleut heritage, as certified by a Tribal Agency served by the Bureau of Indian Affairs. The amount of the grant varies depending on the student's need and the availability of funds of the particular BIA agency.

Tribal Grants are for eligible students who belong to federally recognized Indian Tribes. Tribes generally have their own applications, deadlines, and eligibility criteria.

CHAFEE FOSTER YOUTH GRANT
This grant of up to $5,000 is available to current or former California foster youth under 24 years of age who wish to take vocational training or college courses.

To complete Chafee Grant application requirements and verify qualifying foster youth status, the following forms must be submitted:

1. The Chafee Grant Application, obtained at www.chafee.csac.ca.gov/default.aspx
2. The Free Application for Student Aid (FAFSA), obtained at www.fafsa.gov;

In addition, the student must have financial need. The school must report financial need by submitting the Need Analysis Report noted above. The student must also enroll at least half time in an eligible school. The program of study must be at least one academic year long, and the student must attend class(es) regularly and get good grades.

CALIFORNIA DREAM ACT/AB540
The Dream Act is really two laws that were passed in 2011 and allow AB 540 students to apply for and receive several types of financial aid, including:

- State financial aid like Cal Grants and Chafee Grants
- Assistance from EOPS, or
- CARE Privately-funded scholarships

AB 540 Affidavit or the California Nonresident Tuition Exemption provides exemption from the payment of non-resident tuition for certain non-resident students who have attended high school in California and received a high school diploma or its equivalent. Over the years eligibility requirements have been expanded.

AB 540 Guidelines & 68130.5 Requirements for Eligibility:

- Graduated with a California high school diploma or have the equivalent; and
- Attended a high school in California for three or more years; and
- Attained high school credit equivalent to three or more years of full time attendance;
- Or three or more years of high school coursework and attended a combination of California elementary, secondary, and high school for three years or more.
- Or attended a combination of California high school, adult school, and community college for the equivalent of three years or more.
- Or completed an associate's degree from a California Community College.
- Or completed the minimum requirements at a California Community College for transfer to the California State University or the University of California.
- Attendance at a campus of the California Community Colleges shall not exceed a total of two years of full-time attendance.
- Must register or be currently enrolled at an accredited institution of public higher education in California;
- Must file or will file an affidavit as required by individual institutions, stating that the filer will apply for legal residency as soon as possible;
- Must not hold a valid non-immigrant visa (Non-immigrants, as defined by federal law, have been admitted to the United States temporarily and may have been granted one of the following visas: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, TN, TD, V, TROV, NATO.

Eligible AB 540 students can complete the Dream Act application by going to the website at www.dream.csac.ca.gov.

Refer to Table 1 for information on how and where to apply for the various financial aid programs covered by the California Dream Act.

IMPORTANT NOTE REGARDING TRANSLATION INTO OTHER LANGUAGES:
Go to www.merritt.edu/wp to access translations in Chinese or Spanish (select language) of the Peralta Colleges’ Gateway Services covering the following topics:

- Admissions Requirements and Procedures
- Discrimination and Complaint Procedures
- Enrollment Policies and Procedures
- Fees
- Student Financial Aid
- Student Services (Counseling, DSP&S, EOPS)
- Student Success and Support Program Policies and Procedures
# FINANCIAL AID

## CALIFORNIA DREAM ACT FINANCIAL AID PROGRAMS

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*To apply for any or all of the financial aid programs requiring the California Dream Application, you only need to complete and submit ONE application. The California Dream Application can be found at [https://dream.csac.ca.gov](https://dream.csac.ca.gov); The Chafee Grant Application can be found at [www.chafee.csac.ca.gov/StudentApplication.aspx](https://www.chafee.csac.ca.gov/StudentApplication.aspx).

**The GPA Verification can be found at [www.csac.ca.gov/doc.asp?id=1177](http://www.csac.ca.gov/doc.asp?id=1177).**
ACADEMIC POLICIES
ACADEMIC AND COLLEGE POLICIES AND PROCEDURES

ACADEMIC RECOGNITION: HONOR ROLL
Students are honored by being placed on the Vice President’s list who have completed 12 or more units with a semester GPA of 3.25 or better. The honor status GPA is computed on the basis of units attempted and completed District-wide. The student’s honor status is assigned to the college where the majority of units were completed for a particular semester. Note: Units awarded in “P” graded classes are not counted in the GPA calculation.

GRADUATION WITH HONORS: ASSOCIATE DEGREE HONORS
Students who receive the Associate Degree are graduated “With Honors” if they have an overall cumulative GPA of 3.25 to 3.49. Those with an overall cumulative GPA of 3.50 to 3.74 are graduated “With High Honors” and those with 3.75 to 4.0 are graduated “With Highest Honors.” (All lower-division units from regionally accredited degree granting institutions outside of Peralta District Colleges are included in the GPA calculation). The honor status GPA is computed on the basis of units attempted and completed District-wide, excluding non-Associate degree courses numbered 250-299, 348, and non-credit courses numbered 400-699. The student’s honor status is assigned to the college awarding the Associate Degree.

ACADEMIC GOOD STANDING
To remain in good academic standing, a student must maintain a cumulative grade-point average (GPA) of 2.0 or higher. Students who have a cumulative GPA of less than 2.0 will be considered scholastically deficient. There are two types of scholastic deficiency: probation and dismissal. There are two types of probation: academic and progress. Similarly, there are two types of dismissal: academic and progress.

ACADEMIC RENEWAL POLICY
A maximum of two semesters or a maximum of 24 semester units of coursework at all Peralta Colleges, legally petitioned, may be alleviated and disregarded in the computation of cumulative GPA under the following conditions:
   a. A period of one year must have elapsed since the work to be alleviated was completed;
   b. The student has requested the action formally and has presented evidence that work completed in the term(s) under consideration is (are) substandard and not representative of present scholastic ability and level of performance;
   c. Since the most recent work to be disregarded was completed, the student must have completed 15 lower-division semester units with at least a 2.5 GPA, at either any of the Peralta Colleges or another regionally accredited institution.

NOTE: When course work is forgiven, the permanent academic record shall be annotated in such a manner that all work remains legible, ensuring a true and complete academic history. Veterans who request alleviation of substandard academic performance may be required to reimburse the VA for changes in these benefits.

The “Academic Renewal/Alleviation of Substandard Academic Performance” form for filing under this policy may be obtained from the college Admissions and Records Office or online at web.peralta.edu/admissions.

ACADEMIC AND PROGRESS PROBATION
Academic Probation: A student who has attempted at least 12 semester units and has a cumulative GPA of less than 2.0 as shown by the total academic record for all Peralta Colleges coursework shall be placed on Academic Probation. Such a student shall receive special counseling, including consideration of possible reduction of his/her study load. A student who has a cumulative GPA of less than 2.0 at the end of any term, either semester or summer session, shall be placed on probation during the following term of attendance and shall remain on probation until his/ her cumulative GPA is 2.0 or higher. Students on Academic Probation will lose priority registration.

A veteran or eligible person who remains on probation for a cumulative GPA deficiency below 2.0 beyond two semesters will have his/her veteran’s benefits discontinued and any further certification of benefits terminated.

Progress Probation: A student who has enrolled in a total of at least 12 semester units as indicated on the total academic record for all Peralta Colleges coursework shall be placed on Progress Probation when the percentage of all units in which the student has enrolled and for which entries of “W,” “I,” and “NP” are recorded reaches at least 50 percent of all grades recorded. Students on Progress Probation will lose priority registration.

The Office of the Vice President of Student Services will notify the student via his/her Peralta email when he/she has been placed on Academic and/or Progress Probation at or near the beginning of the semester in which the status is in effect. Students on probation must meet with an academic counselor to gain clearance for registration, discuss strategies for improving academic performance (including possible reduction in study load), and complete an “Academic Success Contract.”

NOTE: For purposes of standards for academic and progress probation and dismissal “all units attempted” means all units of credit for which a student earns a grade of A, B, C, D, F, or FW from any Peralta College; and “enrolled units” means all units attempted as previously defined, and all units for which the student earns a grade of W, I, P, or NP from any Peralta College.

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REMOVAL FROM PROBATION
Academic Probation: A student on Academic Probation for a grade-point deficiency shall be removed from probation when the student's cumulative GPA is 2.0 or higher.

Progress Probation: A student on Progress Probation shall be removed from probation when the percentage of units with entries of “W”, “I,” and “NP” drops below 50 percent.

ACADEMIC AND PROGRESS DISMISSAL
Academic Dismissal: A student on Academic Probation shall be subject to dismissal after three consecutive semesters in which the student has earned a cumulative GPA of less than 1.75 in all units attempted. Summer session and regular intersessions shall be considered a semester.

Progress Dismissal: A student on Progress Probation shall be subject to dismissal if the percentage of units in which the student has been enrolled and for which the entries of “W,” “I,” and “NP” are recorded reaches or exceeds 50 percent in at least three consecutive semesters. Summer session and regular intersessions shall be considered a semester.

The Office of the Vice President of Student Services will notify the student via his/her Peralta email when he/she is subject to dismissal at or near the beginning of the semester in which the status is in effect.

Reinstatement from Dismissal: Appeals of dismissal and requests for reinstatement are handled by the Vice President of Student Services. A student may appeal for reinstatement if unusual circumstances prevailed. Such circumstances will be evaluated by petition and could be, but are not limited to, health or financial strain.

Re-admission will be conditional and on a semester review basis with the student subject to the continued probation dismissal policy. Students on dismissal will need to complete the “Student Petition for Reinstatement from Dismissal” and follow the steps outlined on the petition in order to be considered for reinstatement.

ACCESS TO EDUCATION RECORDS
In compliance with requirements established by the Family Educational Rights and Privacy Act of 1974 (Public Law 93-380, as amended) and regulations in Title 5, Merritt College hereby provides notice of procedures and policies regarding student access to education records maintained by and at the college. The college's procedures and policies must, of course, remain subject to any further modification made necessary or appropriate as a result of subsequent legislation or regulations. Questions regarding the legislation and Merritt College's guidelines should be addressed to the Vice President of Student Services. Copies of the act and the regulations are available for review in that office.

The purpose of the Privacy Act, as it applies to Merritt College, is two-fold:
1. To give presently or formerly enrolled Merritt College students access to their individual education records maintained at the college;
2. To protect such students' rights to privacy by limiting the transfer of their records without their consent.

The legislation states that an institution is not required to grant students access to certain materials, which includes the following:
1. Information provided by a student's parents relating to applications for financial aid or scholarships;
2. Information related to a student compiled by a Merritt College employee:
   a. that is appropriate for such officer's or employee's performance of his or her responsibility;
   b. that remains in the sole possession of the maker thereof;
   c. that cites medical, psychiatric, or similar reports which are used solely in connection with treatment purposes and only available to recognized professionals or paraprofessionals in connection with such treatment (provided; however, that a physician or other professional of the student's choice may review such records);
   d. that is maintained by a law enforcement unit, that is necessary and appropriate to enable such law enforcement unit to carry out its duties and responsibilities as required by law or which may be assigned by the district, and that such law enforcement unit personnel do not have access to other student records and that such information is kept apart from other student records, and that it is maintained solely for law enforcement purposes; and,
   e. that is available only to other law enforcement officials of the same jurisdiction.

As required by the Privacy Act, the college reserves the right to publish at its discretion the following categories of information with respect to each student who is presently or has previously attended the college:
1. participation in officially recognized activities and sports;
2. weight and height of members of athletic teams;
3. high school of graduation of athletic teams;
4. degrees and awards received, including honors, scholarship awards, athletic awards and other types of recognition.

Students have a right to inform the college within a reasonable period of time that any or all of this so-called “directory information” should not be released without prior consent. Merritt College has not published an “Information Directory,” and should one be compiled in the future, a public notice of intent will be provided.
PROCEDURES AND POLICIES REGARDING ACCESS TO EDUCATION RECORDS
In compliance with requirements established by the Family Educational Rights and Privacy Act of 1974 (Public Law 93-380, as amended) and regulations in Title 5 of the California Administrative Code, Chapter 6, a cumulative record of enrollment, scholarship, and educational progress shall be kept for each student.

1. Release of Student Records: No instructor, official, employee, or Governing Board member shall authorize access to student records to any person except under the following circumstances:
   a. Student records shall be released pursuant to a former or current student’s written consent. “Directory information” may be released in accordance with the definitions in Board Policy 5040.
   b. Student records shall be released pursuant to a judicial order or a lawfully issued subpoena.
   c. Student records shall be released pursuant to a federal judicial order that has been issued regarding an investigation or prosecution of an offense concerning an investigation or prosecution of terrorism.
   d. Student records may be released to officials and employees of the District only when they have a legitimate educational interest to inspect the record.
   e. Student records may be released to authorized representatives of the Comptroller General of the United States, the Secretary of Education, an administrative head of an education agency state education officials, or their respective designees, or the United States Office of Civil Rights, where that information is necessary to audit or evaluate a state or federally supported educational program or pursuant to federal or state law. Exceptions: when the collection of personally identifiable information is specifically authorized by federal law, any data collected by those officials shall be protected in a manner that will not permit the personal identification of students or their parents by other than those officials, and any personally identifiable data shall be destroyed when no longer needed for that audit, evaluation, and enforcement of federal legal requirements.
   f. Student records may be released to officials of other public or private schools or school systems, including local, county or state correctional facilities where education programs are provided, where the student seeks or intends to enroll or is directed to enroll. The release is subject to the condition in Education Code Section 76225.
   g. Student records may be released to agencies or organizations in connection with a student’s application for, or receipt of, financial aid, provided that information permitting the personal identification of those students may be disclosed only as may be necessary for those purposes as to financial aid, to determine the amount of the financial aid, or conditions that will be imposed regarding financial aid, or to enforce the terms or conditions of financial aid.
   h. Student records may be released to organizations conducting studies for, or on behalf of, accrediting organizations, educational agencies or institutions for the purpose of developing, validating, or administering predictive tests, administering financial aid programs, and improving instruction, if those studies are conducted in such a manner as will not permit the personal identification of students or their parents by persons other than representatives of those organizations and the information will be destroyed when no longer needed for the purpose for which it is conducted.
   i. Student records may be released to appropriate persons in connection with an emergency if the knowledge of that information is necessary to protect the health or safety of a student or other persons, subject to applicable federal or state law.

2. Federal Military Recruitment
   The following information shall be released to the federal military for the purposes of recruitment:
   a. Student names,
   b. Addresses,
   c. Dates and places of birth,
   d. Levels of education,
   e. Majors,
   f. Degrees received
   g. Prior military, and/or
   h. The most recent, previous educational institutions of enrollment

It should be noted that the scope of records maintained for students may vary greatly depending on individual circumstances. In some cases, student files do not contain many of the types of records listed above.

COOPERATIVE EDUCATION
This is a program that provides opportunities for students to alternate periods of academic study with periods of study-related or career-oriented employment. Each program is conducted with a working agreement between the student, the employing agency, and the college. Cooperative education is a plan which integrates classroom study and on-the-job experience to orient the student to the world of work through a wide range of occupations. It offers an opportunity to explore aptitudes and interests before graduation.
CREDIT FOR MILITARY EXPERIENCE

ACADEMIC AND COLLEGE POLICIES AND PROCEDURES

COURSE REPETITION
The Peralta Community College District Administrative Procedure 4225 should be references for the provision of details regarding course repetition. This procedure follows state regulations in Title 5. Following is a summary; it is not intended to replace or change Administrative Procedure 4225:

A. Students may petition to repeat a course for one of the following reasons:
   1. To alleviate substandard academic work (D, F, FW, and/or NP) or because a W was earned. Two repeats are permitted; thus, a course can be taken for a maximum of three times.
   2. To meet a “legally mandated training requirement as a condition of continued paid or volunteer employment” (documentation required).
   3. To address a “significant change in industry or licensure standards which is necessary for a student’s employment or licensure” (documentation required).
   4. Because of “extenuating circumstances” including verified cases of accidents, illness, or other circumstances beyond the student’s control.
   5. Because “another institution of higher education to which the student seeks to transfer has established a recency requirement which the student will not be able to satisfy without repeating the course in question” (documentation required).
   6. Because of a “significant lapse of time” (no less than 36 months) and “there is a properly established recency prerequisite for the course or program pursuant to Title 5, section 55003.”

B. Students can repeat courses for one of the following reasons, and a petition is not required:
   1. A student is permitted to enroll in a variable unit, open-entry/open-exit course as many times as necessary to complete the entire curriculum of the course one time.
   2. A student may repeat Cooperative Work Experience for a maximum total of 16 semester units, with a maximum of 6 semester credit hours during one enrollment period in general work experience, and a maximum of 8 semester credit hours during one enrollment period in occupational work experience.
   3. A student may repeat a course that is designated as repeatable because repetition of that course is required by CSU and/or UC for completion of a bachelor’s degree.
   4. A student may repeat a course for purposes of Intercollegiate Athletics (350 contact hours per year per sport and 175 contact hours in courses that focus on conditioning and skill development) or participation for up to four (4) semester enrollments in that course.
   5. A student may repeat courses that are designed specifically for participation in non-athletic competitive events between students from different colleges and the event is sanctioned by a formal collegiate or industry governing board.
   6. A student may enroll in active participatory courses in physical education, visual or performing arts that are related in content for no more than four (4) courses in each content area (even if a W is received).

C. Students with disabilities may repeat a special class for students with disabilities any number of times based on an individualized determination that such repetition is required as a disability-related accommodation for that student for one of the reasons specified in Title 5, section 56029.

A registered student who is attending classes, is in good-standing (not on probation), and has completed at least 6 units at Merritt College may request by petition to take an equivalency examination in certain designated courses. (Confers with a counselor regarding these specific courses). The petition, which may be obtained in the Admissions and Records Office, should be accompanied by evidence of knowledge or experience in the content of the course. Final determination of eligibility to challenge a course by examination is made by the Department Chairperson for the course involved.

Credit by examination may be accrued by a student up to a maximum of 15 units. Units earned will be recorded on a student’s record as a letter grade or P as determined by each department and grading policy. Students are not permitted to challenge by examination any course of lower level than a course previously completed.

Credit by examination is not part of a student’s current work load and cannot be counted toward the 12-unit residency, veteran’s benefits, financial aid, athletic eligibility, or similar purposes. Since the approved course list is updated annually, confer with a counselor regarding any changes.

CREDIT FOR MILITARY EXPERIENCE
Recommendations of the American Council on Education are considered in allowing credit for military experience or for courses taken during military service. Veterans must submit to the Admissions and Records Office discharge and other official papers verifying courses completed. These units of credit will be applied toward elective units and will not be counted toward the student’s Associate Degree General Education or Degree Major requirements.

Completion of a minimum of one year of active duty with the Armed Forces of the United States, including completion of a basic or recruit training program and receipt of an honorable discharge, may allow veterans to receive six (6) semester units toward the Associate degree. All veterans not enrolled in the veterans’ program and who have completed 12 semester units may obtain military credit by providing a copy of their discharge papers (DD-214) to the Admissions and Records Office on campus. A DD-214 may also be used to satisfy the requirements of CSU GE Area E.
CREDIT FROM OTHER INSTITUTIONS
The Peralta Colleges accept credit for all lower-division, degree-applicable courses completed at other collegiate institutions that have been accredited by a regional accrediting body. Consult a counselor for a preliminary evaluation of course equivalents.

TRANSFER CREDIT FROM OTHER COLLEGES
Students transferring from another accredited institution may request to use some of this credit to meet Peralta District degree or certificate requirements. Official transcripts should be sent directly from the transfer institution to the District Admissions and Records office. The review of transfer units occurs when the graduation petition is submitted to the college Admissions and Records office. External transcripts become the property of the Peralta Community College District. Transcripts submitted to Peralta District will not be released to students, other colleges or other agencies.

CREDIT FOR EXTERNAL EXAMS
COLLEGE CREDIT FOR: ADVANCED PLACEMENT (AP) TESTS, INTERNATIONAL BACCALAUREATE (IB), AND THE COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

General Guidelines
In order to receive credit for either AP, IB, or CLEP:
• Students must be enrolled in the Peralta Community College District to apply for such credit.
• Students are not required to have completed any specific number of units in the Peralta Community College District prior to applying for such credit.
• Students may use units earned through any of these exams to meet Certificate (AP only) and Associate Degree requirements (to see the unit values awarded by the Peralta District for any of these exams, please see the charts that follow each section).
• Students may not use units from these exams to satisfy financial aid, veterans, or EOPS eligibility criteria.
• Students may not use units from these exams to satisfy the 12-unit residency requirement at any of the Peralta Community College District’s colleges.
• If students have earned credit from an AP exam, they should not enroll in a comparable college course because credit will not be granted for both the exam and the course.

ADVANCED PLACEMENT TESTS
You will be granted credit for College Entrance Examination Board (CEEB) Advanced Placement (AP) tests with scores of 3, 4, 5 (see the AP chart which follows) in specific subject areas for certificates, Associate Degrees, CSU General Education Breadth certification and IGETC certification.

The unit/credit value granted for a college certificate or Associate Degree may vary from the unit/credit value given by a UC or a CSU.

You may use units earned by AP examinations toward CSU General Education Breadth Certification, (partial or full), according to the CSU approved list below and you may use units earned by AP examinations to meet Interssegmental General Education Transfer Curriculum (IGETC) as per the approved list below. Each AP exam may be applied to one IGETC area as satisfying one General Education course requirement, with the exception of Language Other Than English (LOTE).

There is no equivalent AP exam for IGETC Area 1B or CSU GE Breadth Area A3, Critical Thinking/Composition. There is no equivalent AP exam for IGETC Area 1C or CSU GE Breadth Area A1, Oral Communication.

If you have passed more than one AP exam in Calculus, only one exam may be used for credit/unit purposes for a Certificate, Associate Degree, CSU GE certification, and IGETC certification.

Some four-year institutions (e.g., out-of-state, independent) may not accept AP credit. Actual transfer credit awarded for admission is determined by the CSU and UC.

Individual CSU and UC campuses continue to determine the applicability and quantity of AP credits granted toward major or baccalaureate degree requirements.

In some areas, CSU grants additional units for elective credit towards eligibility for admission. The CSU campus to which you transfer determines the total number of units to be awarded for successful completion of Advanced Placement examination(s) and how the exam scores may apply to other graduation requirements.

For IGETC certification, AP exams in Biology, Chemistry, or Physics B allow a community college to apply 4 semester or 5 quarter units to IGETC certification (as noted in the chart below). For Environmental Science, Physics C: Mechanics and Physics C: Electricity, Magnetism, 3 semester or 4 quarter units are applied for IGETC certification (as noted below); therefore, students who have completed these exams will be required to complete at least 4 semester or 5 quarter units to satisfy the minimum required units for Area 5.

The University of California Advanced Placement Policy can be found at:
http://admission.universityofcalifornia.edu/counselors/exam-credit/ap-credits/index.html

The California State University Advanced Placement Policy can be found at their website:
https://www2.calstate.edu/apply/transfer/Pages/advanced-placement-ap.aspx
### ADVANCED PLACEMENT (AP)

#### ADVANCED PLACEMENT PROCEDURES
If you wish to apply for AP credit having received a score of 3, 4, 5 on any of the exams listed below, you should:

1. Obtain a “Petition for Advanced Placement Examination Credit” from the Admissions and Records Office;
2. Attach official copies of AP score reports from the College Board or an official copy of your high school transcript (if it reports Advanced Placement Examinations); and
3. Take the completed petition and supporting documentation to a Counselor for review.
4. If you wish to receive credit for an AP examination not on this list, you should obtain a petition from the Admissions and Records Office and submit it to the Vice President of Instruction, who will evaluate requests on a case-by-case basis.

<table>
<thead>
<tr>
<th>AP Exam</th>
<th>PCCD Course¹</th>
<th>PCCD GE Area</th>
<th>PCCD Units</th>
<th>CSU GE Area and/or A.I.</th>
<th>CSU GE Units</th>
<th>IGETC Area</th>
<th>IGETC Units</th>
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<td>5B and 5C</td>
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<td>B1 + B3</td>
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<td>5A and 5C</td>
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<td>CHIN 1 or 10A</td>
<td>3</td>
<td>5</td>
<td>C2</td>
<td>3</td>
<td>3B and 6A</td>
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<td>Economics: Micro</td>
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<td>3B and 6A</td>
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<td>Government/Politics: Comparative</td>
<td>POSCI 2</td>
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<td>3</td>
<td>D8</td>
<td>3</td>
<td>4H</td>
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<td>Government/Politics: U.S.</td>
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<td>3</td>
<td>D8 + US 2</td>
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<td>4H (US 2)</td>
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<tr>
<td>History: European</td>
<td>HIST 2A or 2B</td>
<td>2</td>
<td>3</td>
<td>C2 or D6</td>
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<td>3B or 4</td>
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<td>3</td>
<td>(C2 or D6) + US 1</td>
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<td>3B or 4 + (US 1)</td>
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## ADVANCED PLACEMENT (AP)

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<tr>
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<th>PCCD Course</th>
<th>PCCD GE Area</th>
<th>PCCD Units</th>
<th>CSU GE Area and/or A.I.</th>
<th>CSU GE Units</th>
<th>IGETC Area</th>
<th>IGETC Units</th>
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<tr>
<td>History: World History</td>
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<td>C2 or D6</td>
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<td>GEOG 2</td>
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<td>D5</td>
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<td>C2</td>
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<td>3B and 6A</td>
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<td>B4</td>
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<tr>
<td>Mathematics: Calculus BC(^2)</td>
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<td>Mathematics: Calculus BC/AB Subscore(^2)</td>
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<td>B4</td>
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<td>Mathematics: Statistics</td>
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<td>4</td>
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<td>Physics 1(^4)</td>
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<td>B1 + B3</td>
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<td>Physics B(^4)</td>
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<td>5</td>
<td>B1 + B3</td>
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<td>5A and 5C</td>
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<td>Physics C: Electricity/ Magnetism(^4)</td>
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<td>5A and 5C</td>
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<td>Physics C: Mechanics(^4)</td>
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<td>5A and 5C</td>
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<td>3</td>
<td>C2</td>
<td>3</td>
<td>3B and 6A</td>
<td>3</td>
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<tr>
<td>Spanish Language</td>
<td>SPAN 1A</td>
<td>3</td>
<td>5</td>
<td>C2</td>
<td>3</td>
<td>3B and 6A</td>
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### Advanced Placement Charts

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<tr>
<th>AP Exam</th>
<th>PCCD Course</th>
<th>PCCD GE Area</th>
<th>PCCD Units</th>
<th>CSU GE Area and/or A.I.</th>
<th>CSU GE Units</th>
<th>IGETC Area</th>
<th>IGETC Units</th>
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<td>Spanish Language and Culture</td>
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<td>3</td>
<td>5</td>
<td>C2</td>
<td>3</td>
<td>3B and 6A</td>
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<td>Spanish Literature</td>
<td>SPAN 3B</td>
<td>3</td>
<td>3</td>
<td>C2 (if completed prior to Spring 2013)</td>
<td>3</td>
<td>3B and 6A (if completed prior to Fall 2014)</td>
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<tr>
<td>Spanish Literature and Culture</td>
<td>SPAN 2A</td>
<td>3</td>
<td>5</td>
<td>C2</td>
<td>3</td>
<td>3B and 6A</td>
<td>3</td>
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</tbody>
</table>

1. The Peralta Community College District (PCCD) course or General Education Area associated with the Advanced Placement examination. Where courses are noted, they will only be used to establish PCCD pre-requisites and/or course equivalencies. Please see a Counselor for specific information.

2. If a student passes more than one AP exam in Calculus or more than one AP exam in Computer Science, only one examination may be used.

**For CSU GE Breadth certification:**

1. Students who pass AP Environmental Science earn 4 units of credit. Tests prior to Fall 2009 may apply to either B1+B3 OR B2+ B3 of GE Breadth. Fall 2009 or later, those credits may only apply to B1+B3.

4. If student passes more than one AP exam in Physics, only six units of credit may be applied to a baccalaureate, and only four units of credit may be applied to GE Breadth certification.
The Peralta Community College District may award International Baccalaureate Examination (IB) credit toward Associate Degree General Education requirements, or for CSU GE or IGETC transfer certification to those who attain an appropriate score on Higher Level (HL) Exams. If a student intends to transfer to a four-year institution, he/she should consult with a counselor or the individual institution regarding its IB credit policy for major course work.

A score of 5, 6, or 7 on Higher Level exams is required to grant credit for IGETC and CSU GE-Breadth certification (exception: a score of 4 on the following IB subjects is considered a passing score for CSU GE-Breadth certification: Language A1 HL (any language), Language A2 HL (any language), Language B HL (any language), Mathematics HL, and Theatre HL). An acceptable IB score for IGETC or CSU GE-Breadth equates to either 3 semester or 4 quarter units for certification purposes. If a student has earned credit from an IB exam, he/she should not enroll in a comparable college course because credit will not be granted for both.

CSU may grant additional units admission eligibility. For more information, see the following CSU Memo at their website: calstate.edu/acadAff/codedmemos/AA-2015-02.pdf.

If a student wishes to apply for IB credit, he/she should:
1. Obtain a “Petition for International Baccalaureate Examination Credit” from the Admissions and Records Office;
2. Attach an official IB transcript;
3. Take the completed petition and supporting documentation to a counselor for review.

<table>
<thead>
<tr>
<th>IB Exam</th>
<th>PCCD GE Area</th>
<th>PCCD GE Units</th>
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<td>Chemistry HL</td>
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1 The IB curriculum offers language at various levels for native and non-native speakers. Language B courses are offered at the intermediate level for non-native speakers. Language A1 and A2 are advanced courses in literature for native and non-native speakers respectively.
COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

The following CLEP examinations can be used for credit toward a certificate, Associate degree, or CSU GE Breadth certification. CLEP exams cannot be used for IGETC certification. You must have achieved at least a score of 50 on any of the following exams.

If you have earned credit from a CLEP exam, you should not take a comparable college course because credit will not be granted for both.

CSU may grant additional units for elective credit toward eligibility for admission. Also, there are some CLEP exams not listed below for which CSU may grant elective credit. Please check with the CSU to which you plan to transfer.

If you wish to apply for CLEP credit, you should:
1. Obtain a “Petition for External Exam Credit” from the Admissions and Records Office;
2. Attach official copies of CLEP score reports from the College Board;
3. Take the completed petition and supporting documentation to a counselor for review.

<table>
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<th>CLEP Exam</th>
<th>PCCD GE units</th>
<th>PCCD GE area</th>
<th>Units for CSU GE</th>
<th>CSU GE area and/or American Institutions</th>
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<td>American Literature</td>
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<td>C2</td>
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<td>Analyzing and Interpreting Literature</td>
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<td>B2</td>
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<td>2</td>
<td>3</td>
<td>E</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>C2</td>
</tr>
<tr>
<td>Information Systems and Computer Applications</td>
<td>1</td>
<td>4c*</td>
<td>0</td>
<td>n/a</td>
</tr>
<tr>
<td>Introductory Psychology</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>D9</td>
</tr>
<tr>
<td>Introductory Sociology</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>D0</td>
</tr>
<tr>
<td>Natural Sciences</td>
<td>3</td>
<td>1</td>
<td>3</td>
<td>B1 or B2</td>
</tr>
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</table>

CONTINUED
## COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

<table>
<thead>
<tr>
<th>CLEP Exam</th>
<th>PCCD GE units</th>
<th>PCCD GE area</th>
<th>Units for CSU GE</th>
<th>CSU GE area and/or American Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Calculus</td>
<td>4</td>
<td>4b</td>
<td>3</td>
<td>B4</td>
</tr>
<tr>
<td>Principles of Macroeconomics</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>D2</td>
</tr>
<tr>
<td>Principles of Microeconomics</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>D2</td>
</tr>
<tr>
<td>Spanish Level II</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>C2</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>3</td>
<td>4b</td>
<td>3</td>
<td>B4 (If completed prior to Fall 2006)</td>
</tr>
<tr>
<td>Western Civilization I</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>C2 or D6</td>
</tr>
<tr>
<td>Western Civilization II</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>D6</td>
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</tbody>
</table>

* Unit awarded based on the minimum required for PCCD General Education Area 4c.
### ACADEMIC RECORD SYMBOLS AND GRADE POINT AVERAGE

Merritt College uses the following evaluative and non-evaluative symbols in the grading of students in conformance with related provisions of the California Administrative Code, Title 5.

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Definition</th>
<th>Grade Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Satisfactory</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>Passing, less than satisfactory</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>Failing</td>
<td>0</td>
</tr>
<tr>
<td>FW</td>
<td>Failing</td>
<td>0</td>
</tr>
</tbody>
</table>

FW grade indicates a failing grade because the student has ceased to participate in the class sometime after the withdrawal deadline. The FW grade is treated in the same manner as an F grade for the purposes of calculating grade point average, course repetition, and academic standings for probation/dismissal.

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>Pass (at least satisfactory; units awarded not counted in GPA)</td>
</tr>
<tr>
<td>NP</td>
<td>No Pass (less than satisfactory, or failing; units not counted in GPA)</td>
</tr>
</tbody>
</table>

**Incomplete:**

The grade of I is only appropriate when the student has completed a minimum of two-thirds of the work for the course with a passing grade.

Conditions for removal of the “I” and the grade assigned shall be filed with the Office of Admissions and Records and a copy given to the student. A final grade shall be assigned when the stipulation has been completed, or when the time limit for completing the work has passed. The “I” symbol must be made up no later than one year following the end of the term in which it was assigned. The “I” symbol shall not be used in calculating units attempted nor for grade points. A time extension beyond one year but not to exceed one semester or quarter may be granted by petition. If the stipulation has not been met by the allotted time the incomplete symbol will revert to an assigned incomplete grade.

Incomplete grades may affect a student’s Financial Aid Satisfactory Academic Progress and ability to receive financial aid, especially courses part of a degree requirement funded by Pell Grant of Federal Student Loan.

**Incomplete defaults:**

- I-B: The I-B grade defaults to an assigned grade of a B
- I-C: The I-C grade defaults to an assigned grade of a C
- I-D: The I-D grade defaults to an assigned grade of a D
- I-F: The I-F grade defaults to an assigned grade of a F

<table>
<thead>
<tr>
<th>SP</th>
<th>Satisfactory Progress towards completion of the course</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Used for noncredit courses only and is not supplanted by any other symbol)</td>
</tr>
</tbody>
</table>

CONTINUED
<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IP</strong></td>
<td>In Progress</td>
<td>The “IP” symbol shall be used to indicate that the course extends beyond the normal end of an academic term. It indicates that work is “in progress,” but that assignment of a grade must await its completion. The “IP” symbol shall remain on the student’s permanent record in order to satisfy enrollment documentation. The appropriate grade and unit credit shall be assigned and appear on the student’s record for the term in which the course is completed. The “IP” shall not be used in calculating grade point averages.</td>
</tr>
<tr>
<td><strong>RD</strong></td>
<td>Report Delayed</td>
<td>The “RD” symbol may be assigned by the Office of Admissions and Records only. It is to be used when there is a delay in reporting the grade of a student due to circumstances beyond the control of the student. It is temporary. This temporary symbol shall not be used in calculating grade point averages and shall be replaced by a permanent symbol as soon as possible.</td>
</tr>
<tr>
<td><strong>W</strong></td>
<td>Withdrawal</td>
<td>A withdrawal reported to the Office of Admissions and Records during the first four weeks of instruction (or thirty percent [30%] of instruction under the semester system, summer session, intersession and short-term courses) shall not be noted on the student’s academic record. A “W” symbol can be awarded any student between the end of the fourth week of instruction and the end of the fourteenth week of instruction (or between 30-75% of instruction under the semester system, summer session, intersession, and short-term courses). The academic record of a student who has not withdrawn from class or has not been dropped by an instructor within the time allowed by this policy must reflect a grade other than “W” as awarded by the instructor. The “W” symbol shall not be used for academic probation but only for progress probation. A “W” shall not be assigned “if a determination is made pursuant to (Title 5) sections 5900 et seq. that the student withdrew from the course due to discriminatory treatment or due to retaliation for alleging discriminatory treatment or that the student withdrew because he or she reasonably believed that remaining in the course would subject him or her to discriminatory treatment or retaliation for alleging discriminatory treatment.” In such instances, no symbol will be assigned.</td>
</tr>
<tr>
<td><strong>EW</strong></td>
<td>Excused Withdrawal</td>
<td>(1) “Excused Withdrawal” (EW) occurs when a student is permitted to withdraw from a course(s) due to specific events beyond the control of the student affecting his or her ability to complete a course(s) and may include a job transfer outside the geographical region, an illness in the family where the student is the primary caregiver, when the student who is incarcerated in a California state prison or county jail is released from custody or involuntarily transferred before the end of the term, when the student is the subject of an immigration action, or other extenuating circumstances making course completion impracticable. 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. Upon verification of these conditions and consistent with the District’s required documentation substantiating the condition, an excused withdrawal symbol may be assigned at any time after the period established by the Governing Board during which no notation is made for withdrawals. The withdrawal symbol so assigned shall be an “EW.” (2) Excused withdrawal shall not be counted in progress probation and dismissal calculations. (3) Excused withdrawal shall not be counted toward the permitted number of withdrawals or counted as an enrollment attempt. (4) In no case may an excused withdrawal result in a student being assigned an “FW” grade. (f) Notwithstanding the limits set forth above, apportionment will be limited as set forth in Title 5, section 58161.</td>
</tr>
<tr>
<td><strong>MW</strong></td>
<td>Military Withdrawal</td>
<td>The “MW” shall be assigned only for students who are members of an active or reserve military unit and who receive orders compelling a withdrawal from courses. Upon verification of orders, the “MW” symbol may be given in lieu of a grade at any time after the last day to withdraw without receiving a letter grade (14 weeks for semester colleges). The “MW” shall not be counted in determining “progress probation” and in calculating grade points for dismissal.</td>
</tr>
</tbody>
</table>
GRADE NOTATIONS FOR COURSES

All courses listed in the Programs and Courses section of the catalog fall into one of three categories:

1. Courses that may be taken either for a letter grade or on a pass/no-pass basis.
   These courses are listed with a “GR or P/NP” notation.
2. Courses that may be taken for pass/no-pass only.
   These courses are listed with a “P/NP” notation.
3. Courses that may be taken for a letter grade only.
   These courses are listed with a “GR” notation.

GRADE-POINT AVERAGE

The cumulative grade-point average (GPA) is computed by dividing the total number of units a student has attempted into the total number of grade points the student has earned.

The grade-point average is determined by the following formula: Total grade points earned, divided by total semester units attempted = GPA.

Example:
A student who earns 5 units of “A,” 4 units of “B,” 3 units of “C,” 2 units of “D,” and 2 units of “P” would compute the GPA as follows:

<table>
<thead>
<tr>
<th>Attempted</th>
<th>Completed</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 units</td>
<td>5 units</td>
<td>A x 5 = 20</td>
</tr>
<tr>
<td>4 units</td>
<td>4 units</td>
<td>B x 4 = 12</td>
</tr>
<tr>
<td>3 units</td>
<td>3 units</td>
<td>C x 3 = 6</td>
</tr>
<tr>
<td>2 units</td>
<td>2 units</td>
<td>D x 2 = 2</td>
</tr>
<tr>
<td>0 units</td>
<td>2 units</td>
<td>P x 2 = 0</td>
</tr>
<tr>
<td>14 units</td>
<td>16 units</td>
<td>40 earned</td>
</tr>
</tbody>
</table>

40 grade points earned, divided by 14 units attempted equals a 2.85 GPA.

*Units for which a grade of “W,” “MW,” “P,” “NP,” or “I” was assigned are not counted in units attempted.

Conversion of quarter units to semester units used by all colleges and universities who are on the semester system is as follows:
Divide quarter units by 1.5 to determine the equivalent unit value in terms of semester units. For example, three quarter units of work equals two semester units. The student may consult a counselor if in doubt about the conversion of units accumulated under the quarter system.

GRADE CORRECTIONS

No grade can be changed without the consent, in writing, by the instructor who assigned the grade except under the conditions of clerical errors, bad faith, fraud and incompetency.

No grade will be changed later than two (2) years after the calendar date ending the semester in which the grade was assigned. Grades are not subject to change by reason of a revision of judgment on the instructor's part. No grade except Incomplete may be revised by the instructor on the basis of a new examination or additional work undertaken as agreed upon when the (“I”) grade was originally submitted or completed after submission of final grades.

The Request for Record Correction form is available online at www.peralta.edu/admissions/forms.

INDEPENDENT STUDY POLICY

Independent Study permits a student to explore an area of study or project of his/her choice not covered by regular catalog offerings. Such study may include directed field experience, research, or development of skills and competence.

Conditions for Independent Study:
1. Student must have completed 12 semester units at the college.
2. Student must be concurrently enrolled in at least one other class at the college.
3. Student can enroll in one (1) Independent Study course in any given semester which cannot exceed five (5) units.
4. Student can only earn a maximum of five (5) units in any one discipline.
Approval Process of Independent Study:
1. Student must demonstrate that his/her background is adequate for the proposed course of study.
2. Student must submit the required Independent Study form, with a written request, including an outline of the project to the instructor (contract full-time instructor) and obtain written approval prior to the end of the second week of the semester.
3. Student must have approval of the department chair.
4. Student must have the approval of the Office of Instruction.

Independent Study courses are conducted by full-time instructional faculty, are graded in a manner consistent to other course offerings, and provide access to the instructor during the instructor’s office hours or at other times with the instructor’s consent. These courses may count as electives and generally do not fulfill specific Associate degree requirements.

Transfer credit for Independent Study (49's) is contingent upon an evaluation of the course by the receiving University of California. Independent Study (49's) transfers as elective credit to the CSU system

PREQUISITES, COREQUISITES, AND RECOMMENDED PREPARATION

The Peralta Community College District has established certain prerequisite, corequisites, and recommended preparation (advisory) for courses and programs in a manner consistent with law and good practice. The District and College believe that these requirements are necessary for students’ academic success. Students who do not meet these requirements are highly unlikely to receive a satisfactory grade in the course. Students may not officially enroll in a course without the appropriate prerequisite, corequisite, or equivalent preparation. Students may enroll in a course without the recommended preparation, but are advised they might not derive as much benefit from instruction as they would have if they had satisfied the recommended preparation.

PREREQUISITE means a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. A prerequisite represents a set of skills or a body of knowledge that a student must possess prior to enrollment and without which the student is highly unlikely to succeed in the course or program. Students will not be permitted to enroll in such courses and programs without the appropriate prerequisite. A prerequisite course must be completed with a satisfactory grade (A, B, C, P).

COREQUISITE means a condition of enrollment consisting of a course that a student is required to take simultaneously in order to enroll in another course. A corequisite represents a set of skills or a body of knowledge that a student must acquire through concurrent enrollment in another course and without which the student is highly unlikely to succeed. Students must concurrently enroll in the corequisite course.

RECOMMENDED PREPARATION (ADVISORY) means a condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program. Recommended preparation represents a set of skills or a body of knowledge which enable a student to achieve a greater depth or breadth of knowledge of course material, but without which the student is still likely to succeed in a course or program.

If a student has not met the prerequisite or corequisite, the student will be temporarily enrolled in the course until the last day to add the class. The student's enrollment in the class will become official if the student files a successful challenge. The student will be given ample time to provide proof that he/she has met the prerequisite or corequisite or to complete the waiver process for the prerequisite or corequisite, at which time he/she will be officially enrolled. There are three options for students who do not meet course prerequisites:

- Petition for Prerequisite/Corequisite Equivalency
- Petition for Prerequisite/Corequisite Substitution
- Prerequisite/Corequisite Challenge

PETITION FOR PREREQUISITE/COREQUISITE EQUIVALENCY

The District will maintain a list of courses offered at other colleges or universities that satisfy the District’s prerequisites. A student who has taken one of these equivalent courses at another college or university may bring a transcript showing successful completion of the course to the Admissions and Records Office, Counseling Office, or Division Office and complete a Prerequisite/Corequisite Equivalency form. Upon verification, the student will be officially enrolled in the course.

PREQUISITE/COREQUISITE SUBSTITUTION

If the course does not appear on the pre-approved list, the student will have to complete a Petition for Prerequisite/Corequisite Substitution with the appropriate written documentation attached (course outline and transcript). If, upon review by the Department Chair, Division Dean, and/or Vice President of Instruction, the course is determined to be an equivalent prerequisite, the student will be officially enrolled in the course.
PREQUISITE/COREQUISITE CHALLENGE
If a student desires to challenge the prerequisite or corequisite, he/she must file a Petition for Prerequisite/ Corequisite Challenge with appropriate documentation and submit it to the Admissions and Records Office.

Grounds for challenge shall include at least one of the following:
1. The student has acquired through work or life experiences the skills and knowledge that is presupposed in terms of the course or program for which it is established.
2. The student has not yet been allowed to enroll due to limitation on enrollment established for a course that involves intercollegiate competition or public performance, or one or more of the courses for which enrollment has been limited to a cohort of students, and would be delayed by a semester or more in attaining the degree or certificate specified in his or her Student Educational Plan.
3. The student demonstrates that he or she does not pose a threat to himself or herself or others in a course which has a prerequisite established to protect health and safety.
4. The prerequisite is not necessary and appropriate for success in the course and has not been established in accordance with the District’s process for establishing prerequisites and corequisites.
5. The prerequisite or corequisite is either unlawfully discriminatory or is being applied in an unlawfully discriminatory manner.
6. The student will be subject to undue delay in attaining the goal in his or her educational plan because the prerequisite or corequisite course has not been made reasonably available.

A challenge will be resolved by the appropriate staff within five (5) working days. If the challenge is upheld, the student will be officially enrolled in the course. If no space is available in the course when a challenge is filed, the challenge shall be resolved prior to the beginning of registration for the next term, and if the challenge is upheld, the student shall be permitted to enroll if space is available when the student enrolls for the subsequent term. If the challenge is not upheld, the student will be notified in writing that he/she has been dropped from the course. The student shall bear the initial burden of showing that grounds exist for the challenge.

SCHOLASTIC STANDARDS
Each instructor assigns grades to students based on standards established as appropriate for each class. Written papers, participation in class discussions, midterm and final examinations, and class attendance may be used by an instructor to determine grades. It is the student’s responsibility to comply with the criteria used in grading by instructors. Students should consult with instructors during office hours for assistance.

STUDENT RIGHT-TO-KNOW DISCLOSURE (COMPLETION AND TRANSFER RATES)
In compliance with the Higher Education Act of 1965, as amended, completion and transfer rates for students attending Merritt College can be found on the Peralta Community Colleges web site at www.peralta.edu/indev/equity-reports-fact-books. Information can also be found at www.nces.ed.gov/collegenavigator.
Merritt College awards the following degrees in liberal arts, science, occupational fields, or specialized areas of study:

- Associate in Arts degree (AA)
- Associate in Science degree (AS)
- Certificate of Achievement (CA)
- Certificate of Proficiency (CP)

Merritt College also awards degrees intended for students who plan to complete a Bachelor's degree in a similar major at a CSU campus:

- Associate in Arts for Transfer (AA-T)
- Associate in Science for Transfer (AS-T)

The college also awards noncredit certificates:

- Certificate of Completion (CP1)
- Certificate of Competency (CP2)
- Certificate of Accomplishment

For specific courses required for each degree major, area of emphasis, or certificate, see the listings under the individual department headings in the Programs and Courses section of the catalog.
# ASSOCIATE DEGREES AND CERTIFICATES

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<th>PROGRAMS</th>
<th>AWARDS</th>
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<td></td>
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<tr>
<td>Administration of Justice: Corrections</td>
<td>AA</td>
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<tr>
<td>Administration of Justice: Police Science</td>
<td>AA</td>
</tr>
<tr>
<td>Homeland Security</td>
<td></td>
</tr>
<tr>
<td><strong>African American Studies</strong></td>
<td>AA</td>
</tr>
<tr>
<td><strong>Anthropology:</strong></td>
<td>AA-T</td>
</tr>
<tr>
<td><strong>Art:</strong></td>
<td></td>
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<tr>
<td>Art Foundation</td>
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<tr>
<td>Botanical Illustration</td>
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<td>Ceramics</td>
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<td><strong>Biology:</strong></td>
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<td>Natural History</td>
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<td><strong>Bioscience:</strong></td>
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<td>Fluorescence Bioscience Microscopy</td>
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<td>Histotechnician</td>
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<td>Illumina HiSeq DNA Sequencing</td>
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<td>Optical Microscopy</td>
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<td>Phylogenetic Analysis</td>
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<tr>
<td><strong>Business:</strong></td>
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<tr>
<td>Accounting</td>
<td>AA</td>
</tr>
<tr>
<td>Administrative Assistant</td>
<td>AA</td>
</tr>
<tr>
<td>Administrative Office Systems and Applications</td>
<td>AA</td>
</tr>
<tr>
<td>Business Administration</td>
<td>AS-T</td>
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<tr>
<td>Business Information Processing</td>
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<td>Business Management</td>
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<td>Entrepreneurship</td>
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<tr>
<td>General Business</td>
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<td>Human Resource Management</td>
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<td>Legal Office Assistant</td>
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<td>Retail Management</td>
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<td>Small Business Management</td>
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CONTINUED
# ASSOCIATE DEGREES AND CERTIFICATES

## PROGRAMS

<table>
<thead>
<tr>
<th>PROGRAMS</th>
<th>Associate Degree for Transfer</th>
<th>Associate Degree</th>
<th>Certificate of Achievement</th>
<th>Certificate of Proficiency</th>
<th>Noncredit Certificate of Competency: CP1</th>
<th>Noncredit Certificate of Completion: CP2</th>
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</thead>
<tbody>
<tr>
<td>Child Development:</td>
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<td>AA</td>
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<td>Assistant Teacher</td>
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<tr>
<td>Associate Teacher</td>
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<td>CP</td>
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<td>Child Development</td>
<td></td>
<td>AA</td>
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<tr>
<td>Early Childhood Education</td>
<td>AS-T</td>
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<td>Family Child Care Provider</td>
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<tr>
<td>Infant/Toddler Specialist</td>
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<tr>
<td>Introduction to Early Childhood Education for Family Child Care Providers</td>
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<td>CP2</td>
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<td>Introduction to Infant/Toddler Care</td>
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<td>Communication:</td>
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<td>Community Social Services:</td>
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<td>Community Social Services/ Substance Abuse</td>
<td>AA</td>
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<td>Applications Security</td>
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<td>AS</td>
<td>CA</td>
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<tr>
<td>Economics</td>
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CONTINUED
## Associate Degrees and Certificates

### Programs

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<th>Programs</th>
<th>Associate Degree for Transfer</th>
<th>Associate Degree</th>
<th>Certificate of Achievement</th>
<th>Certificate of Proficiency</th>
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<th>Noncredit Certificate of Completion: CP2</th>
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<td>Dietary Manager (Dietetic Service Supervisor)</td>
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<tr>
<td>(The Certificate is available only to those already awarded an Associate degree or higher.)</td>
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<td>Real Estate</td>
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<td>Social and Behavioral Sciences</td>
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<td>Sociology</td>
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Merritt College Catalog 2019-2020
ASSOCIATE DEGREES AND CERTIFICATES

ASSOCIATE DEGREE AND CERTIFICATE REQUIREMENTS

The State Chancellor’s Office, California Education Code, and the Board of Trustees of the Peralta Community College District prescribe the requirements for awarding associate degrees and certificates. There are four types of associate degrees: Associate in Arts (AA), Associate in Science (AS), Associate in Arts for Transfer (AA-T), and Associate in Science for Transfer (AS-T).

The **Associate in Arts (AA)** and the **Associate in Science (AS)** degrees require the completion of all Merritt College (Peralta Community College District) General Education graduation requirements and specified Degree Major requirements.

**NOTE:** The AA degrees in Liberal Arts with Emphasis in Arts and Humanities and Liberal Arts with Emphasis in Cross-Cultural Studies additionally require California State University General Education-Breadth (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC).

The **Associate in Arts for Transfer (AA-T)** and the **Associate in Science for Transfer (AS-T)** degrees are intended for students who plan to complete a Bachelor’s degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system with junior status and are given priority admission to their local CSU campus and to a similar major at a CSU campus. However, students are not guaranteed admission to a particular campus or major. These degrees may not be the best option for students intending to transfer to a particular CSU campus or major or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

The **Associate Degrees for Transfer (AA-T or AS-T)** require the completion and certification of the California State University General Education-Breadth (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern, as well as the specific Associate Degree for Transfer (AA-T or AS-T) Degree Major requirements. For additional information on AA-T and AS-T degrees, refer to the Transfer to Four-Year Colleges and Universities section of the catalog.

Students completing an Associate degree are responsible for filing all transcripts of previous college work and for filing a “Petition for an Associate Degree” by the deadline date during the semester in which they plan to complete the requirements. Students completing certificate requirements are responsible for filing a “Petition for a Certificate” by the deadline date during the semester in which they plan to complete the requirements. (See the college calendar in the Schedule of Classes for deadline dates.)

Merritt College Catalog 2019-2020
ASSOCIATE DEGREES AND CERTIFICATES

THE ASSOCIATE DEGREE

The Associate degree signifies successful completion of a program of organized study and learning experiences designed to impart knowledge and to develop skills, appreciations, attitudes, and values which will be useful to its recipients and to the society in which they live.

The student is encouraged to fulfill the requirements for an Associate degree. Degrees are conferred at the end of the academic term. The student who wishes to transfer may, by careful planning, simultaneously complete Associate Degree and transfer requirements. The degree, however, is not required for transfer, nor does it automatically entitle the student to advanced standing at a four-year institution (except for the specific guarantees and considerations provided by the CSU system to students who complete an AA-T or AS-T degree).

A student may apply for an additional Associate degree for another major. In this case, previously completed acceptable courses may be counted towards the degree; however, the student must fulfill all current Degree Major, General Education, and other degree requirements.

OVERALL REQUIREMENTS FOR AN ASSOCIATE IN ARTS (AA) DEGREE OR ASSOCIATE IN SCIENCE (AS) DEGREE

NOTE: For Associate Degree for Transfer (AA-T/AS-T) requirements, see the Transfer to Four-Year Colleges and Universities section of the catalog.

STUDENTS APPLYING FOR THE ASSOCIATE DEGREE (AA OR AS) MUST COMPLETE:

1. At least 60 degree-applicable semester units which includes courses in the Degree Major or Area of Emphasis, General Education courses, and electives, as necessary.
   NOTE: When the units from General Education and the Degree Major do not total 60 units, the student must complete any degree-applicable course(s), referred to as electives, until a total of 60 units is completed.

2. A minimum of 19 units in General Education requirements with at least a 2.0 (“C”) average. Choices should be made from the Merritt College AA/AS General Education Course List. Note: General Education courses for the AA or AS degree completed at another Peralta College will be accepted by Merritt College. However, exceptions to this rule exist for some courses on the IGETC and CSU GE Course Lists. See a counselor for more information.

3. A minimum of 18 units for the Degree Major or Area of Emphasis. The maximum number of units varies with the Degree Major. Refer to the individual curriculum patterns for specific information regarding a particular Degree Major or Area of Emphasis. A grade of “C” or better is required in each course in the Degree Major or Area of Emphasis.

4. At least 12 units of the 60 units completed at Merritt College.
   NOTE: Degree requirements completed at another Peralta College will be accepted by Merritt College; however, a minimum of 12 units must be completed at Merritt College.

5. A minimum grade-point average of 2.0 (“C”) in each of the following is required: Overall grade-point average; and General Education requirements.

6. An “C” or better is required in each course in the Degree Major and in General Education Areas 4a and 4b (English composition and Mathematics areas), in addition to a “C” average for all General Education courses.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement is granted in those programs for which 16 or more units are required in the major (or for certain programs of 8-15.5 units for which state approval has been granted). The student may petition the Admissions and Records Office for the Certificate of Achievement upon completion of all the requirements specified for the Certificate (see requirements under the specific department headings in the Curriculum Patterns and Courses section of the catalog). In addition to the unit requirements, a Certificate of Achievement requires a grade of “C” or better in each course and at least 12 units of associate degree level work completed at Merritt College. The Certificate of Achievement is indicated on the student’s transcript.

Occupational programs are designed for preparation for both entry-level positions and for in-service training for persons already employed. Information sheets, which include degree opportunities, are available from the Counseling Department.

CERTIFICATE OF PROFICIENCY

A Certificate of Proficiency is granted in certain programs for which up to and including 15.5 units are required. A grade of “C” or better is required in each course. The Certificate of Proficiency is not indicated on the student's transcript and is not considered a financial aid-eligible program.

CERTIFICATE OF COMPLETION

A Certificate of Completion is a prescribed pathway of noncredit courses that focuses on improved employability or job opportunities. It also prepares a student for degree-applicable credit courses.

CERTIFICATE OF COMPETENCY

A Certificate of Competency is a prescribed pathway of noncredit courses that prepares a student in a set of competencies to progress in a career path and to take appropriate credit courses, including Basic Skills and ESOL.

CERTIFICATE OF ACCOMPLISHMENT

A Certificate of Accomplishment is an organized sequence of noncredit courses that prepares a student for a set of competencies in educational areas geared towards immigrants, health and safety, persons with substantial disabilities, parenting, home economics, and older adults. The Certificate of Accomplishment is not indicated on the student’s transcript.
GENERAL EDUCATION REQUIREMENTS FOR AA/AS DEGREES  
(LOCAL AA/AS GE REQUIREMENTS)  
(NOT APPLICABLE FOR AA-T/AS-T DEGREES)

The following list of courses is revised each semester as courses are added from the curriculum. Students should see a counselor at least once each semester for updated information and to plan for their educational goals.

ASSOCIATE DEGREE
Complete a minimum of 60 degree-applicable semester units with an overall grade point average of 2.0 (“C”). At least 12 of the 60 units must be completed at Merritt College.

GENERAL EDUCATION
Complete a minimum of 19 units, distributed in the areas below, with an overall grade point average of 2.0 (“C”) and a grade of “C” or better in Area 4a (English Composition) and Area 4b (Mathematics). Although a course may be listed in more than one area, it may not be counted in more than one area (except in Area 5, Ethnic Studies; see Note in Area 5).

MAJOR
Students must declare a major to earn an Associate Degree. Majors require a minimum of 18 units with a grade of “C” or better in each course. Unit requirements for majors vary within programs and instructional departments (consult the Curriculum Patterns and Courses section of the catalog and/or see a counselor for more information).

OUT-OF-DISTRICT OR OUT-OF-STATE COURSES
These courses are evaluated individually to see if they fulfill Merritt College General Education requirements. The Peralta District will accept courses with a minimum of 4 quarter units to satisfy an area that requires a minimum of 3 semester units and courses with a minimum of 1.5 quarter units to satisfy Area 4c which requires a minimum of 1 semester unit. See a counselor for information about this process.

NOTE: Courses with an (*) are listed in more than one area but may not be counted in more than one area.

AREAS

AREA ONE: NATURAL SCIENCES

Courses in the Natural Sciences are those that examine the physical universe, its life forms, and its natural phenomena. To satisfy the general education requirement in natural sciences, a course should help you develop an appreciation and understanding of the scientific method and encourage an understanding of the relationships between science and other human activities. This category would include introductory or integrative courses in astronomy, biology, chemistry, general physical science, geology, meteorology, oceanography, physics, and other scientific disciplines.

One course with a minimum of 3 semester units from the following is required:

| ANTHR:    | 1 |
| ASTR:     | 1, 10 |
| BIOL:     | 1A, 1B, 2, 3, 4, 5\(^*\), 9, 10, 13, 15, 20A, 20B, 23, 24, 25, 29, 36, 42 |
| BIOSC:    | 50 |
| CHEM:     | 1A, 1B, 12A, 12B, 30A, 30B |
| GEOG:     | 1 |
| GEOL:     | 1, 12 |
| LANHT:    | 1, 1E, 15\(^*\) |
| PHYS:     | 2A, 2B, 4A, 4B, 4C, 10 |

\(^*\)BIOL 5 is the same as LANHT 15; maximum credit: one course.
## AREA TWO: SOCIAL AND BEHAVIORAL SCIENCES

Courses in the Social and Behavioral Sciences are those that focus on people as members of society. To satisfy the general education requirement in social and behavioral sciences, a course should help you develop an awareness of the method of inquiry the social and behavioral sciences use. It should stimulate critical thinking about the ways people act and have acted in response to their societies and should promote appreciation of how societies and social subgroups operate. This category would include introductory or integrative survey courses in anthropology, economics, history, political science, psychology, sociology, and related disciplines.

One course with a minimum of 3 semester units from the following is required:

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<tr>
<th>Area</th>
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<td>ANTHR</td>
<td>2, 3, 4, 5*, 7*, 13, 16</td>
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<tr>
<td>ASAME</td>
<td>1*, 19*, 30*, 32*, 45A*, 45B*</td>
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<td>BUS</td>
<td>5, 52</td>
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<tr>
<td>CHDEV</td>
<td>50, 51, 53, 56A, 80*</td>
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<tr>
<td>COMM</td>
<td>6*, 10*, 13*, 18*, 19*</td>
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<tr>
<td>COSER</td>
<td>10, 24, 29*</td>
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<td>COUN</td>
<td>30, 230</td>
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<td>ECON</td>
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<td>ADJUS</td>
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<td>BUS</td>
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<tr>
<td>CHDEV</td>
<td>50, 51, 53, 56A, 80*</td>
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<tr>
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<tr>
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<td>10, 24, 29*</td>
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<tr>
<td>COUN</td>
<td>30, 230</td>
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<td>ECON</td>
<td>1, 2</td>
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1AFRAM 19 is the same as ASAME 19, M/LAT 6, and NATAM 19; maximum credit: one course.
2ENVMT 19 is the same as PSYCH 19; maximum credit: one course.
3ENVST 76A-E, 78A and 78B are the same as NATAM 76A-E, 78A and 78B, respectively; maximum credit: one course.
4ENVST/NATAM 76A-E or ENVST/NATAM 78A-78B must be taken for a minimum of 3 units to satisfy Area 2 requirements.
5M/LAT 19 is the same as HIST 17 at BCC, COA, and Laney; maximum credit: one course.
6AFRAM 38 is the same as ENVMT 12; maximum credit: one course.
7AFRAM 18 is the same as M/LAT 32; maximum credit: one course.

## AREA THREE: HUMANITIES

Courses in the Humanities are those that study the cultural activities and artistic expressions of human beings. To satisfy the general education requirement in the humanities, a course should help you develop an awareness of the ways in which people throughout the ages and in different cultures have responded to themselves and the world around them in artistic and cultural creation and help the student develop aesthetic understanding and an ability to make value judgments. Such courses could include introductory or integrative courses in the arts, foreign languages, literature, philosophy, and religion.

One course with a minimum of 3 semester units from the following is required:

<table>
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<tr>
<th>Area</th>
<th>Courses</th>
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<td>ANTHR</td>
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<td>LANHT</td>
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<td>M/LAT</td>
<td>28*, 30A*, 30B, 32*</td>
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<tr>
<td>MUSIC</td>
<td>9, 10, 11*, 15A*, 15B*, 19, 24*, 100</td>
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<td>PHIL</td>
<td>1, 2, 10</td>
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<tr>
<td>SPAN</td>
<td>1A, 1B</td>
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1AFRAM 18 is the same as M/LAT 32; maximum credit: one course.
PROGRAMS AND COURSES

ASSOCIATE DEGREES AND CERTIFICATES

AREA FOUR: LANGUAGE AND RATIONALITY

Courses in language and rationality are those that help you develop the principles and applications of language toward logical thought, clear and precise expression, and critical evaluation of communication in whatever symbol system you use.

One course in each sub-area (a, b, c, and d):

a. **English Composition**: One course, minimum of three semester units and a grade of “C” or better, from:
   
   ENGL:1A*, 1B*, 5*, 100*

b. **Mathematics**: May be met by one of two options:
   
   **Option 1**: One course, minimum of three semester units and a grade of “C” or better, from:
   
   MATH: 1, 2, 3A, 3B, 3C, 3E, 3F, 13, 15, 16A, 16B, 50, 202, 203, 230, 240

   **Option 2**: Credit by Examination of Math 203. Requires a grade of “C” or better on the exam to earn 4 units of credit. The exam may be taken only once and is offered by the Math Department. The Credit By Exam form (available at Admissions & Records) will be used to record exam grades on the student's transcript. Contact the Math Department Chair and/or a counselor for more information.

c. **Computer Literacy**: One course, minimum of one semester unit, from:
   
   CIS: All courses with a minimum value of one unit and numbered 1 through 249 and 900 through 949
   
   EDT: 1, 2, 3, 4, 5, 6, 7
   
   LANHT: 9A, 9B, 9C, 34A, 34B, 34C
   
   LNRNRE: 211
   
   LIS: 80, 85, 200
   
   RLEST: 20

   **NOTE**: Students may be able to satisfy the Computer Literacy requirement by passing a proficiency exam. See a counselor for more information.

d. **Oral or Written Communication, or Literature**: One course, minimum of three semester units, from:
   
   AFRAM: 41*, 42*, 43*
   
   BIOSC: 34
   
   COMM: 3, 4, 6*, 10*, 13*, 18*, 19*, 20, 45
   
   COSER: 16A
   
   ENGL: All courses numbered 1 through 247* (except 48s, 49s, and 208)
   
   ENVMT: 4*

   **NOTE**: Students may be able to satisfy the Computer Literacy requirement by passing a proficiency exam. See a counselor for more information.

**AREA FIVE: ETHNIC STUDIES**

Ethnic Studies is an intensive and scholarly study of African-American, Latin American, Asian, and Native American experiences in the United States involving an examination of these cultures and the history, social, economic, and political influences on them.

One course, minimum of three semester units, from the following:

- ANTHR: 5*
- ART: 7*, 15*
- ASAME: 19*, 30*, 32*, 45A*, 45B*
- CHDEV: 80*
- COMM: 13*
- COSER: 29*

**NOTE**: Any course listed in Area 5 that is also listed in another area may satisfy both areas but the units are counted only once.
One of the primary missions of a community college is to prepare students for transfer to four-year colleges and universities. If your plan is to transfer to a California, public four-year college, you should complete the lower division (freshman/sophomore) major, as well as general education and elective courses for a total of 60 transferable units; doing so will assure that you can transfer with junior (upper division) standing. Although not required for transfer, many students earn an Associate Degree in addition to completing transfer requirements.

Merritt College students may choose to transfer to a California State University, a campus of the University of California, or to an independent college or university in California or out-of-state. Merritt has developed a number of partnerships with local four-year institutions, including a Concurrent Enrollment Program with CSU East Bay, UC Berkeley, Holy Names University, and Mills College. Through the California Community College Chancellor’s Office, Merritt College has acquired Transfer Guarantee Agreements with over 37 Historically Black Colleges and Universities (HBCUs).

INDEPENDENT UNIVERSITIES AND COLLEGES
Requirements of independent universities and colleges vary greatly. Students should determine the private institution of their choice, obtain appropriate catalogs, and confer with a counselor to plan an appropriate, effective transfer program.

PLANNING TO TRANSFER
Merritt College offers a variety of resources to assist students with the transfer process. The college’s Transfer Center houses catalogs for four-year colleges and universities and sponsors visits with their representatives. Counselors are familiar with all transfer requirements and can assist you in planning a program of study to ensure a smooth, timely, and successful transfer.

If you wish to enter a four-year college or university after attending Merritt College, you should take note of the following suggestions:

1. See a Merritt College counselor by appointment to develop an appropriate Student Educational Plan (SEP) to assist you in planning your transfer and to ensure that you take appropriate transferable courses to meet requirements while at Merritt College. If you have completed coursework at another college, you should inform the counselor when scheduling your appointment and, if possible, bring an unofficial transcript to your appointment.
2. Read the four-year college or university catalog and website regarding:
   a. Transfer admissions requirements;
   b. Major requirements and degrees offered;
   c. General education or breadth requirements;
   d. Application and financial aid deadlines.
3. Review information regarding transferability of courses, including lower-division major requirements and general education requirements, and articulation agreements for the University of California (UC) and the California State University (CSU) systems which are available at www.ASSIST.org. Also, many catalogs are available for review in the Merritt College Transfer Center.
4. Identify the degree credit in lower-division community college courses which are articulated with lower-division major courses at the four-year college or university (general education, major, graduation, or elective degree credit).
5. A maximum of 70 lower-division transferable semester (or 105 transferable quarter) units can be applied toward the total number of Bachelor’s degree units required in the University of California or California State University systems. Total units transferable to independent and private colleges vary. Subject credit for all transferable courses in excess of 70 semester units will be granted to satisfy university lower-division (i.e., general education, major, and graduation) requirements.
6. Complete all courses designated as required lower-division preparation for the major prior to transfer, especially when admission to the major is contingent upon successful completion of specific courses (i.e., for selective or impacted majors).
7. Students can complete the lower-division requirements for most transfer majors. The Student Education Plan (SEP) developed with a counselor will assist you in planning your programs and understanding any required prerequisites.
8. Applications for admission to the University of California and the California State University are available online via Internet at www.ASSIST.org or at www.universityofcalifornia.edu/admissions for the University of California and at www2.calstate.edu/apply for the California State University. In addition, counselors in the Counseling Office and in the Transfer Center can provide help with applications to independent institutions in and outside California.
9. You must assume complete responsibility for compliance with regulations and instructions for selecting and completing the courses that will permit you to meet your educational objectives for transfer and for satisfying prerequisites for any programs or courses.

TRANSFER TO A FOUR-YEAR COLLEGE OR UNIVERSITY
If you are completing requirements for the Associate degree and are also planning to transfer to a four-year college or university, the college reminds you that the Associate degree alone does not usually qualify you for admission. You should meet with a Merritt College counselor regarding admission, general education, and major prep requirements to be sure that your Merritt College program of study will meet the course, unit, and grade requirements of the college to which you seek admission.
CONCURRENT ENROLLMENT AND CROSS REGISTRATION PROGRAMS

Merritt College offers a Concurrent Enrollment Program with UC Berkeley, Mills College, CSU East Bay, and Holy Names University that allows you to take courses you need (if offered) that are not available at Merritt and that enables you to test your potential for success in a university/college setting. The benefits of this opportunity include:

- Taking lower-division courses at the university without paying university fees;
- Earning academic credit toward transfer at the university; and
- Enjoying the university experience before you transfer.

Visit the Transfer Center (located in Building R, Room 105), or see a counselor for more information about this program.

SPECIAL TRANSFER ADMISSION PROGRAMS

TRANSFER ADMISSIONS GUARANTEE (TAG)

If your goal is to transfer to a four-year university, you might want to consider the Transfer Admissions Guarantee (TAG) program. TAG is available to students who meet specific unit, transfer coursework, and GPA requirements. Students who complete the university’s admission application, the TAG application process, and meet the contractual requirements are guaranteed admission. A TAG is generally written one year prior to transfer.

ARTICULATION AGREEMENTS

Articulation is the process that facilitates the successful transfer of students from community colleges to four-year colleges and universities. It is the development of formal written agreements that explain how courses transfer from one institution to another, either “as comparable to” or “acceptable in lieu of” specific course requirements at four-year institutions. Successful completion of articulated courses related to admission criteria, general education, and major preparation (which can be recorded on a SEP with the assistance of a counselor) will help to ensure successful and competitive transfer.

The Merritt College Articulation Officer and counselors have information about the current articulation agreements between Merritt College and the California State University campuses, the University of California campuses, and some independent colleges and universities in and outside of California. Articulation agreements with the CSU and UC campuses are available at [www.ASSIST.org](http://www.ASSIST.org).

By working closely with a Merritt College counselor, it is possible to complete (minimum of 60 semester units) of a degree at Merritt College and then transfer as a junior (an upper-division student).

CALIFORNIA COMMUNITY COLLEGES HISTORICALLY BLACK COLLEGES AND UNIVERSITIES (HBCU’S) TRANSFER GUARANTEE AGREEMENT

Historically Black Colleges were established primarily to serve the higher education needs of the African-American community, however, they are open to students of all ethnicities. HBCUs are leading institutions in awarding degrees to African-American students in the life sciences, physical sciences, mathematics and engineering programs.

Through the California Community College Chancellor’s Office, Merritt College has acquired Transfer Guarantee Agreements with over 37 Historically Black Colleges and Universities (HBCUs), offering a variety of majors. The goal of the California Community Colleges HBCU Transfer Guarantee Program is to simplify the transfer process and develop pathways that will contribute to an increase in baccalaureate degree attainment.

For a complete information of participating institutions and the majors that they offer please access the website [http://extranet.cccco.edu/HBCUTransfer.aspx](http://extranet.cccco.edu/HBCUTransfer.aspx)

ASSOCIATION OF INDEPENDENT CALIFORNIA COLLEGES AND UNIVERSITIES (AICCU) ADT COMMITMENT

ADT Commitment is the Independent California College and University sector’s adaptation of the ADT pathway. If an ADT transfer student meets all the requirements of admission to a participating institution, admission is guaranteed to that college as opposed to a system.

The ADT Commitment is:

- Guaranteed admission for the ADT students meeting admission requirements;
- Guarantees a minimum of 60 semester/90 quarter units will transfer;
- Guarantees the student starts with junior standing.

For a full list of AICCU ADT Participating Institutions and majors accepted visit [www.aiccu.edu/transfer](http://www.aiccu.edu/transfer)
ASSIST

ASSIST (Articulation System Stimulating Interinstitutional Student Transfer) is California’s official statewide repository of transfer information, offering easy access to a single articulation database for California Community Colleges, California State Universities and the University of California, only.

At the ASSIST website, students planning to transfer from a community college to a University of California (UC) or a California State University (CSU) campus have access to the following types of articulation agreements:

- Transferable course lists;
- General education agreements (IGETC, CSU GEBreadth, and campus specific);
- Major preparation; and
- Department (course-to-course).

ASSIST will help you in determining if you will receive credit for courses you have already taken, or plan to take, and how those courses apply to a specific academic major or general education requirement. You can access ASSIST at [www.ASSIST.org](http://www.ASSIST.org).

COURSE IDENTIFICATION NUMBERING SYSTEM (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system that is different from the course numbers assigned by individual California community colleges. A C-ID Designator under a course in the Curriculum Patterns and Courses section means that the course is comparable in content and scope to a similar course offered by participating California colleges and universities. Students can also be assured that the course will be accepted at another California community college that offers a course with the same C-ID Designator.

The C-ID Numbering System is particularly useful for students attending more than one California community college since C-ID Designators are often applied to courses students need to prepare for transfer.

### C-ID COURSE DESCRIPTORS

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>C-ID #</th>
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<tbody>
<tr>
<td>ADJUS 21</td>
<td>Introduction to Administration of Justice</td>
<td>AJ 110</td>
</tr>
<tr>
<td>ADJUS 24</td>
<td>Legal Aspects of Evidence</td>
<td>AJ 124</td>
</tr>
<tr>
<td>ADJUS 25</td>
<td>Community Relations</td>
<td>AJ 160</td>
</tr>
<tr>
<td>ADJUS 56</td>
<td>Criminal Investigation</td>
<td>AJ 140</td>
</tr>
<tr>
<td>AFRAM 19/SOC 5/COMM 13</td>
<td>Racism in the United States/ Minority Groups/ Ethnic Perceptions in the Mass Media</td>
<td>SJS 110</td>
</tr>
<tr>
<td>ANTHR 2</td>
<td>Introduction to Archaeology and Prehistory</td>
<td>ANTH 150</td>
</tr>
<tr>
<td>ART 137</td>
<td>Beginning Figure Drawing and Composition</td>
<td>ARTS 200</td>
</tr>
<tr>
<td>ART 22</td>
<td>Intermediate Drawing and Composition</td>
<td>ARTS 205</td>
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<tr>
<td>ART 46</td>
<td>2-D Visual Design</td>
<td>ARTS 100</td>
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<tr>
<td>ART 47</td>
<td>3-D Visual Design</td>
<td>ARTS 101</td>
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<td>BIOL 1A</td>
<td>General Biology</td>
<td>BIOL 190</td>
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<tr>
<td>BIOL 18</td>
<td>General Biology</td>
<td>BIOL 140</td>
</tr>
<tr>
<td>BIOL 18 + BIOL 1A</td>
<td>General Biology</td>
<td>BIOL 135 S</td>
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<tr>
<td>BIOL 2</td>
<td>Human Anatomy</td>
<td>BIOL 110 B</td>
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<td>BIOL 20A + BIOL 20B</td>
<td>Human Anatomy and Physiology</td>
<td>BIOL 115 B S</td>
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<td>BIOL 4</td>
<td>Human Physiology</td>
<td>BIOL 120 B</td>
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<tr>
<td>BIOL 42</td>
<td>Basic Pathophysiology</td>
<td>HIT 105 X</td>
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<tr>
<td>BUS 18</td>
<td>Managerial Accounting</td>
<td>ACCT 120</td>
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<tr>
<td>BUS 20</td>
<td>General Accounting</td>
<td>BSOT 127 X</td>
</tr>
<tr>
<td>CHDEV 74</td>
<td>Health, Safety, and Nutrition</td>
<td>ECE 220</td>
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<td>CHDEV 50</td>
<td>Principles and Practices of Teaching Young Children</td>
<td>ECE 120</td>
</tr>
<tr>
<td>CHDEV 51</td>
<td>Child Growth and Development</td>
<td>CDEV 100</td>
</tr>
<tr>
<td>CHDEV 52</td>
<td>Observation and Assessment</td>
<td>ECE 200</td>
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<tr>
<td>CHDEV 53</td>
<td>The Child, the Family and the Community</td>
<td>CDEV 110</td>
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<tr>
<td>CHDEV 54B</td>
<td>Introduction to Curriculum</td>
<td>ECE 130</td>
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<td>CHDEV 55A</td>
<td>Practicum-Field Experience</td>
<td>ECE 210</td>
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<td>CHDEV 80</td>
<td>Teaching in a Diverse Society</td>
<td>ECE 230</td>
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<tr>
<td>CHEM 12A</td>
<td>Organic Chemistry</td>
<td>CHEM 150</td>
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<tr>
<td>CHEM 12A + CHEM 12B</td>
<td>Organic Chemistry</td>
<td>CHEM 160 S</td>
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<td>CHEM 1A</td>
<td>General Chemistry</td>
<td>CHEM 110</td>
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<td>CHEM 1B + CHEM 1A</td>
<td>General Chemistry</td>
<td>CHEM 120 S</td>
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<td>CHEM 30A</td>
<td>Introductory General Chemistry</td>
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<tr>
<td>CIS 42</td>
<td>Spreadsheet Applications</td>
<td>BSOT 122 X</td>
</tr>
<tr>
<td>CIS 1</td>
<td>Introduction to Computer Information Systems</td>
<td>ITIS 120</td>
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<tr>
<td>CIS 11</td>
<td>Discrete Structures and Logic</td>
<td>COMP 152</td>
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<td>CIS 205</td>
<td>Computer Literacy</td>
<td>BSOT 105 X</td>
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<td>CIS 33</td>
<td>Software Architectures and Algorithms</td>
<td>COMP 132</td>
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<tr>
<td>CIS 42</td>
<td>Spreadsheet Applications</td>
<td>BSOT 112 X</td>
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<td>CIS 42</td>
<td>Spreadsheet Applications</td>
<td>BSOT 132 X</td>
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<td>CIS 6</td>
<td>Introduction to Computer Programming</td>
<td>COMP 122</td>
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<td>CIS 7</td>
<td>Control Structures and Objects</td>
<td>COMP 122</td>
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<tr>
<td>CIS 72</td>
<td>Systems and Network Administration</td>
<td>ITIS 155</td>
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<tr>
<td>CIS 78</td>
<td>Digital Architectures for Computation</td>
<td>COMP 142</td>
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<tr>
<td>COMM 20</td>
<td>Interpersonal Communication Skills</td>
<td>COMM 130</td>
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<td>COMM 3</td>
<td>Introduction to Human Communication</td>
<td>COMM 180</td>
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<tr>
<td>COMM 4</td>
<td>The Dynamics of Group Discussion</td>
<td>COMM 140</td>
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<td>COMM 45</td>
<td>Public Speaking</td>
<td>COMM 110</td>
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<td>COMM 6</td>
<td>Intercultural Communication</td>
<td>COMM 150</td>
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<td>ENGL 1A</td>
<td>Composition and Reading</td>
<td>ENGL 100 (ENGL 110)</td>
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<td>ENGL 1B</td>
<td>Composition and Reading</td>
<td>ENGL 120 (ENGL-LIT 100)</td>
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<td>ENGL 5</td>
<td>Critical Thinking in Reading and Writing</td>
<td>ENGL 105 (ENGL 115)</td>
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<td>GEOG 1</td>
<td>Physical Geography</td>
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<td>GEOL 1</td>
<td>Introduction to Physical Geology</td>
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<td>GEOL 12</td>
<td>Environmental Geology</td>
<td>GEOL 130</td>
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<td>HIST 2A</td>
<td>History of European Civilization</td>
<td>HIST 170</td>
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<td>HIST 7B</td>
<td>History of the United States since 1865</td>
<td>HIST 140</td>
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<td>KIN 150</td>
<td>Introduction to Kinesiology</td>
<td>KIN 100</td>
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<td>(Plant Materials: Various)</td>
<td>AG-EH 108 L</td>
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<td>MATH 13</td>
<td>Introduction to Statistics</td>
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<tr>
<td>MATH 16A</td>
<td>Calculus for Business and Life/ Social Sciences</td>
<td>MATH 140</td>
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CONTINUED
## TRANSFER INFORMATION

### PROGRAMS AND COURSES

#### COURSE IDENTIFICATION NUMBERING SYSTEM (C-ID)

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<tr>
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<td>MATH 3A</td>
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<td>MATH 3B</td>
<td>Calculus II</td>
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<td>MATH 3C</td>
<td>Calculus III</td>
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<td>MATH 3E</td>
<td>Linear Algebra</td>
<td>MATH 250</td>
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<td>MATH 3F</td>
<td>Differential Equations</td>
<td>MATH 240</td>
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<td>MUSIC 10</td>
<td>Music Appreciation</td>
<td>MUS 100</td>
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<td>MUSIC 100</td>
<td>Music Fundamentals and Culture</td>
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<td>PHIL 1</td>
<td>Introduction to Philosophy</td>
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<td>PHYS 4A</td>
<td>General Physics with Calculus</td>
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<td>PHYS 4B</td>
<td>General Physics with Calculus</td>
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</tr>
<tr>
<td>PHYS 4C</td>
<td>General Physics with Calculus</td>
<td>PHYS 215</td>
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<td>Government and Politics in the United States</td>
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<td>PSYCH 12</td>
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<td>PSYCH 1A</td>
<td>Introduction to General Psychology</td>
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<td>PSYCH 24</td>
<td>Abnormal Psychology</td>
<td>PSY 120</td>
</tr>
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<td>PSYCH 28</td>
<td>Introduction to Research Methods in Psychology</td>
<td>PSY 200</td>
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<tr>
<td>PSYCH 6</td>
<td>Social Psychology</td>
<td>PSY 170</td>
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<td>SOC 5</td>
<td>Minority Groups</td>
<td>SOCI 150</td>
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<tr>
<td>SOC 1</td>
<td>Introduction to Sociology</td>
<td>SOCI 110</td>
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<td>SOC 120</td>
<td>Introduction to Research Methods</td>
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<td>SOC 13</td>
<td>Sociology of the Family</td>
<td>SOCI 130</td>
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<tr>
<td>SOC 2</td>
<td>Social Problems</td>
<td>SOCI 115</td>
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### GENERAL EDUCATION TRANSFER REQUIREMENTS

You have the option of fulfilling General Education-Breadth requirements in one of the following ways:

- **IGETC**: Primarily used when applying to multiple UC’s or UC’s and CSU’s (not advisable for high-unit majors);
- **CSU GE-Breadth**: Used when applying to CSU’s only; and
- **UC campus specific**: An option used depending on the choice of major and college.

A listing of approved courses in these three general education requirement options is available from a counselor or at [www.ASSIST.org](http://www.ASSIST.org). The approved courses are subject to change on an annual basis. The 2019 IGETC and CSU GE-Breadth approved course lists are also available later in this section of the catalog.

### CERTIFICATION OF GENERAL EDUCATION

Merritt College (Peralta Community College District) can certify officially the completion of the following general education patterns.

**NOTE**: Students can only be certified once.

**IGETC**

Merritt College (the Peralta Community College District) can certify either full certification (completing all requirements in each subject area) or partial certification (maximum of two courses missing and completed after transfer) of IGETC. You should file the certification request at the Admissions and Records Office during the final term before transfer, once an offer of admission has been accepted.
CSU GE-BREADTH
California State University General Education-Breadth (CSU GE-Breadth) allows full certification (completion of all requirements) or partial certification (completion by area) (see the CSU GE-Breadth course list). You should file the certification request at the Admissions and Records Office during the final term before transfer, once an offer of admission has been accepted.

Official transcripts of any coursework completed outside the Peralta Community College District must be on file to accompany the request. The “Request for Certification” form is available from and can be filed in the Admissions and Record Office. Once certification is completed, student records (transcript) will reflect the type of certification. If you transfer without certification, you will be subject to the campus-specific general education requirements of the university or college to which you transfer.

THE UNIVERSITY OF CALIFORNIA

The University of California includes nine general campuses throughout the state: Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, Santa Barbara, and Santa Cruz. A tenth campus in San Francisco offers graduate and professional programs in the health sciences.

The University of California admissions requirements for transfer vary according to the student's eligibility to enroll at UC after graduation from high school. In addition, if you wish to enroll in an oversubscribed and/or upper-division major, you must meet additional admissions requirements.

GENERAL TRANSFER REQUIREMENTS

You should place the highest priority on achieving minimum transfer eligibility and completing preparation courses for your choice of major. Major preparation gives you the best opportunity to begin upperlevel courses after transfer. Some campuses require completion of certain major preparation requirements before transfer. Lack of such major preparation may affect eligibility for the major, particularly if there are many applicants and a limited number of spaces. The general education or breadth requirements are designed to give university undergraduates a broad background in all major academic disciplines – natural sciences, physical sciences, social sciences, humanities, and fine arts.

You should develop a Student Education Plan (SEP) that first gives attention to minimum admission eligibility and completion of major preparation, and then incorporates the most appropriate General Education (GE) pattern. Typically, completion of GE is not required for admission; it is required for graduation from UC. There are two options for completing GE. If you are pursuing a major with few required major preparation courses, you should consider completing the Intersegmental General Education Transfer Curriculum (IGETC). If you are pursuing a major with a large number of preparatory courses, you should consider the UC campus-specific GE pattern. Each school and college at every UC campus has its own set of GE requirements. You should consult with a counselor for assistance in developing a SEP that plans for major preparation and the most appropriate General Education pattern option.

There are three parts to preparing for transfer to the University of California (UC):

- Minimum Transfer Admissions Eligibility: Courses and grades that prepare you to be minimally eligible for UC transfer;
- Major Preparation: Courses that prepare you to complete a major after transferring; and
- General Education (GE): Courses that satisfy the GE requirements for graduation from UC.

MINIMUM TRANSFER ADMISSIONS ELIGIBILITY

Students eligible to enter UC after high school graduation (Subject, Scholarship, and Examination requirements for freshman were met), or students who were identified by UC in the senior year as eligible under the Eligibility in the Local Context (ELC) Program are minimally eligible to transfer with a “C” (2.0 GPA) average in transferable coursework.

Students who met the Scholarship Requirement, but did not satisfy the Subject Requirement for UC eligibility as a freshman must take transferable college courses in the missing subjects, earning a “C” or better in each course, and have an overall “C” (2.0 GPA) average in all transferable coursework to be minimally eligible to transfer. Students who were not eligible for admission to UC after high school graduation because the Scholarship Requirement was not met must meet minimum eligibility requirements as follows:

1. Complete 60 semester units of UC transferable college credit with a GPA of at least 2.4; and
2. Complete a course pattern requirement to include:
   a. Two transferable college courses (3 semester units each) in English composition; and
   b. One transferable college course (3 semester units) in Mathematical Concepts and Quantitative Reasoning; and
   c. Four transferable college courses (3 semester units each) chosen from at least two of the following subject areas: the arts and humanities, the social and behavioral sciences, the physical and biological sciences.
OTHER BACCALAUREATE DEGREE REQUIREMENTS

1. Entry Level Writing Requirement (formerly Subject A):
   An English composition requirement that each student must satisfy to graduate may be met by one of the following methods:
   • Score of at least 3 on the College Board Advanced Placement Examination in English;
   or
   • Score of at least 680 on the SAT II Writing Subject Test;
   or
   • Score of at least 5 on the International Baccalaureate Higher Level Examination in English Language;
   or
   • Completion of a UC transferable community college course of 3 units in English composition with a “C” grade or better.

2. American History and Institutions:
   This requirement may be met by one of the following methods:
   • Satisfactory completion in high school of a one-year course in U.S. History or a half-year course in both American Government and U.S. History with a grade of “C” or better (except UCLA which requires a “B” average and Santa Barbara which requires a college level course);
   or
   • Completion of UC transferable college history/ government course(s).

Additional information can be found at www.universityofcalifornia.edu/admissions.

HIGH SCHOOL PROFICIENCY EXAMINATION
If you do not have a high school diploma, the University of California will accept the Certificate of Proficiency awarded by the State Board of Education upon successful completion of the High School Proficiency Examination. The University of California will also accept proficiency examinations from other states and the General Education Development (GED) Certificate in place of a diploma. However, you must still meet the Subject, Scholarship, and Examination Requirements.

REQUIREMENTS FOR NON-RESIDENTS
The minimum admissions requirements for nonresident transfer applicants are the same as those for residents except that non-residents must have a grade point average of 2.8 or higher in all transferable college coursework.

THE CALIFORNIA STATE UNIVERSITY
The following information applies to the 23 campuses of the California State University System: Bakersfield, Channel Islands, Chico, Dominguez Hills, Fresno, Fullerton, Hayward, Humboldt, Long Beach, Los Angeles, Maritime Academy, Monterey Bay, Northridge, Pomona, Sacramento, San Bernardino, San Diego, San Francisco, San Jose, San Luis Obispo, San Marcos, Sonoma, and Stanislaus.

TRANSFER REQUIREMENTS
You will qualify for admission as a transfer student if you have a GPA of 2.0 (“C”) or better in all transferable units completed; are in good standing at the last college or university attended; and meet any of the following standards:

1. You were eligible as a freshman at the time of application for admission or at the time of graduation from high school, provided you have been in continuous attendance at a college since graduation;
   or
2. You were eligible as a freshman except for the college preparatory subject requirements and have completed appropriate college courses in the missing subjects;
   or
3. You have completed at least 60 transferable semester units and have completed appropriate college courses to make up missing college preparatory subjects (non-residents must have a 2.4 GPA or better).

A maximum of 70 transferable semester (105 quarter) units earned in a community college may be transferred to the California State University. Consult with a Merritt College counselor or any CSU Admissions Office for further information about alternative ways to satisfy the subject requirements.
TRANSFER INFORMATION

MAKING UP MISSING COLLEGE PREPARATORY SUBJECT REQUIREMENTS

1. Undergraduate transfer applicants who did not complete the subject requirements while in high school may make up missing subjects in any of the following ways:
   a. Complete appropriate courses in college with a “C” or better (one course of 3 semester [4 quarter] units will be considered equivalent to one year of high school study);
   or
   b. Earn acceptable scores on specified examinations.

2. Transfer applicants with 56 or more semester units (84 or more quarter units) can satisfy the preparatory subject requirements by completing, with a “C” or better, one of the following alternatives:
   a. 1987 or earlier high school graduates: Meeting the eligibility requirements listed for lower-division transfer, or successful completion of written communication and mathematics courses on the approved CSU list of transferable General Education courses; or
   b. 1998 and later high school graduates: Meeting the eligibility requirements listed for lower-division transfer, or successful completion of 30 semester (45 quarter) units of General Education courses to include all of Area A and the Mathematics requirement on the CSU General Education Certification list.

Minimum eligibility for upper-division transfer applicants:

1. Completion of at least 60 transferable units with a minimum GPA of 2.0; and
2. Within the total units completed, you must complete a minimum of 30 lower-division units of General Education/Breadth; and
3. Completion of areas A1, A2, A3, and B4 with a grade of “C” or better.

UNITED STATES HISTORY, CONSTITUTION AND AMERICAN IDEALS CERTIFICATION

To complete the CSU graduation requirement in United States History, Constitution and American Ideals before transfer, you must complete courses that have been approved. See a counselor for a list of these courses or check www.ASSIST.org.

ASSOCIATE IN ARTS FOR TRANSFER (AA-T) OR ASSOCIATE IN SCIENCE FOR TRANSFER (AS-T) TO A CALIFORNIA STATE UNIVERSITY

California Community Colleges are now offering Associate Degrees for Transfer (AA-T or AS-T). The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus.

Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system with junior status and given priority admission to their local CSU campus and to a similar major at a CSU campus. However, students are not guaranteed admission to a particular campus or major.

In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 semester or 90 quarter units after transfer to earn a bachelor’s degree (unless the major is a designated “high-unit” major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

Merritt College has developed AA-T or AS-T degrees in the following areas:

- Administration of Justice (AS-T)
- Anthropology (AA-T)
- Business Administration (AS-T)
- Communication Studies (AA-T)
- Early Childhood Education (AS-T)
- Economics (AA-T)
- Mathematics (AS-T)
- Nutrition and Dietetics (AS-T)
- Psychology (AA-T)
- Sociology (AA-T)

The Degree Major requirements for each degree can be found under the corresponding department heading in the Curriculum Patterns and Courses section of the catalog (for Early Child Education, see the listing for Child Development). Other majors/degrees are under development and will be provided online at www.merritt.edu/wp/catalog. Students may also visit www.adegreewithaguarantee.com to find out which CSU campuses accept each degree. For more information, please see a counselor.
AA-T AND AS-T REQUIREMENTS

The following is required for all AA-T or AS-T degrees:

1. Minimum of 60 CSU-transferable semester units. At least 12 of the 60 units must be completed at Merritt College.
2. Minimum grade-point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Please consult with a counselor for more information.
3. Completion of a minimum of 18 semester units in an “AA-T” or “AS-T” degree major. All courses in the degree major must be completed with a grade of “C” or better or a “P” if the course is taken on a “Pass-No Pass” basis (Title 5 § 55063). Some universities may have limits on the number of Pass/No-Pass units they will accept for transfer. See a counselor for more information.
4. Certified completion of the California State University General Education-Breadth pattern (CSU GE-Breadth), or the Intersegmental General Education Transfer Curriculum (IGETC) pattern.

Students are encouraged to include the CSU graduation requirement in United States History, Constitution and American Ideals in their educational planning and complete the courses prior to transfer. Students should meet early with a counselor to complete a Student Education Plan (SEP).

GENERAL EDUCATION CERTIFICATION FOR A CALIFORNIA STATE UNIVERSITY

Merritt College (Peralta Community College District) may certify to a California State University completion of 39 units of lower-division General Education requirements when the student completes the acceptable courses. The listing of courses that can be used toward meeting these requirements is available in the Counseling Office and the Transfer Center. This listing is subject to change. A total of 48 units is required to meet the General Education requirements for the California State University System. The additional nine (9) required units must be upper-division courses and must be completed after the student transfers to a CSU campus.
CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION BREADTH REQUIREMENTS
MERRITT COLLEGE 2019

THESE REQUIREMENTS ARE SUBJECT TO CHANGE. SEE A COUNSELOR EACH SEMESTER TO STAY CURRENT.

CSU UPPER DIVISION (JUNIOR) TRANSFER REQUIREMENTS:

1. Complete a minimum of 60 transferable semester units with an overall grade point average of “C” (2.0). Non-residents and those with an F-1 visa need at least a 2.4 GPA.
2. Complete at least 30 of those units from the GE courses listed below, including all of Area A and Area B4 (Math) with grades of “C-“ or better.
   NOTE: For some campuses, you may not complete Areas A and B4 during your last semester before enrollment.
3. Preferred completion of all lower division major prerequisites (required by most impacted majors).
4. No more than 70 semester/105 quarter units are transferable to the CSU system.

CERTIFICATION: Merritt College can provide full certification (completion of requirements in every area) or partial certification (completion of requirements in one or more areas). Students should request GE certification when asking that their transcript be sent to the CSU of their choice during the final term before transfer. CERTIFICATION MAY BE DONE ONLY ONCE.

IGETC: CSU lower division GE requirements may also be met by completing the Intersegmental General Education Transfer Curriculum (IGETC). However, certain restrictions may apply and IGETC is not recommended for all majors. See a counselor for more information.

NOTE: Courses with an (*) are listed in more than one area but may not be counted in more than one area.

AREA A: ENGLISH LANGUAGE COMMUNICATION AND CRITICAL THINKING

Three courses, minimum of 9 semester (12-15 quarter) units, with at least one course each from Oral Communication (A1), Written Communication (A2), and Critical Thinking (A3), with a grade of “C-“ or better.

A1. Oral Communication
   COMM: 3, 4, 20, 45

A2. Written Communication
   ENGL: 1A

A3. Critical Thinking
   ENGL: 5 PHIL: 10

AREA B: SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING

Three courses, for a minimum of 9 semester (12-15 quarter) units, with at least one course each from Physical Sciences (B1), Life Sciences (B2), Laboratory Activity (B3), and Math/Quantitative Reasoning (B4). One of the two science courses from B1 or B2 must include a lab; lab courses are shown with (L).

B1. Physical Sciences. At least one course from the following:
   ASTR: 1, 10, 11A
   CHEM: 1A(L), 1B(L), 12A(L), 12B(L), 30A(L), 30B(L)
   GEOG: 1*
   GEOL: 1(L), 12
   PHYS: 2A(L), 2B(L), 4A(L), 4B(L), 4C(L), 10

B2. Life Sciences. At least one course from the following:
   ANTHR: 1
   BIOL: 1A(L), 1B(L), 2(L), 3(L), 4(L), 5(L), 9(L), 10(L), 13, 15, 20A(L), 20B(L), 23, 24(L), 25, 29(L), 36(L)
   LANHT: 15(L)
   1BIOL 5 same as LANHT 15; credit: 1 course

B3. Laboratory Activity. At least one course shown with (L) in Areas B1 or B2 OR one of the following:
   ANTHR: 1L (clears lab requirement w/ ANTHR 1)
   ASTR: 20 (clears lab requirement w/ ASTR 1 or 10)
   BIOL: 13L (clears lab requirement w/ BIOL 13)
   ENVMT: 2L (clears lab requirement w/ BIOL 13)
   GEOG: 1L (clears lab requirement w/ GEOG 1)
   1BIOL 13L same as ENVMT 2L (was ENVST 11L); credit: 1 course

B4. Math/Quantitative Reasoning: At least one course, with a grade of “C“ or better, from the following:
   MATH: 1, 2, 3A, 3B, 3C, 3E, 3F, 13, 15, 16A, 16B, 50
NOTE: Courses with an(*) are listed in more than one area but may not be counted in more than one area.

### AREA C: ARTS AND HUMANITIES

Three courses, for a minimum of 9 semester (12-15 quarter) units, with one course from Arts (C1), one course from Humanities (C2), and one course from either Arts or Humanities.

#### C1. Arts: At least one course from the following:

- ART: 1, 4, 7, 9, 12, 15
- ASAME: 1*
- LANHT: 64*
- MUSIC: 9, 10, 11, 15A, 19, 24, 100

#### C2. Humanities: At least one course from the following:

- ASAME: 1*, 45A1*, 45B*
- ENGL: 1B
- ENVMT: 4

Note: Courses with an (*) are listed in more than one area but may not be counted in more than one area.

1. MAY NOT be taken at any other PCCD College to satisfy this area. See a counselor for more information.
2. AFRAM 18 same as M/LAT 32; maximum credit: 1 course

### AREA D: SOCIAL SCIENCES

Three courses, for a minimum of 9 semester (12-15 quarter) units, with courses from at least two different disciplines.

- ADJUS: 21, 22, 25, 63
- ANTHR: 2, 3, 4, 5, 7, 13, 16
- ASAME: 1*, 19*, 30*, 32*, 45A*, 45B*
- BUS: 52
- CHDEV: 51 (was FACS 51), 53, 80
- COMM: 6, 10, 13, 18*, 19
- COSER: 10, 24*, 29*
- ECON: 1, 2
- ENVMT: 2 (was ENVST 11), 3, 11, 12, 19
- GEOG: 1*, 2
- HIST: 2*, 28*, 7A, 7B, 19*
- LANHT: 64*
- M/LAT: 5*, 12, 19, 23, 32*
- NATAM: 19
- PSYCH: 1A*, 3, 6, 12*, 19, 24, 28, 31, 33
- SOC: 1, 2, 3, 5, 13, 45, 120

1. AFRAM 18 same as M/LAT 32; maximum credit: 1 course
2. AFRAM 19 same as ASAME 19, M/LAT 6, & NATAM 19; maximum credit: 1 course
3. AFRAM 38 same as ENVMT 12; maximum credit: 1 course
4. ENVMT 19 same as PSYCH 19; maximum credit: 1 course
5. ASAME 30 MAY NOT be taken at any other PCCD College to satisfy this area. See a counselor for more information.

### AREA E: LIFELONG LEARNING AND SELF-DEVELOPMENT

Minimum of 3 semester (4 quarter) units. Underlined & italicized courses are less than 3 units; a course or courses totaling 3 units are required to clear this area. Also, this area cannot be cleared using only KIN or ATHL activity courses. Military discharge documents (DD-214) may be used to completely clear this area.

- ASAME: 32*
- ATHL: 1, 6, 30, 59, 66, 75
- BUS: 52
- CHDEV: 51, 74
- COMM: 18*
- COSER: 16A, 20, 24*, 29*
- COUN: 24, 30, 57
- HLTED: 1, 20
- LIS: 140, 150, 153A-B
- NUTR: 85 (formerly LRNRE 85)
- PSYCH: 10, 12 (formerly FACS 10 & 12)
UNITED STATES HISTORY, CONSTITUTION, AND AMERICAN IDEALS (CSU GRADUATION REQUIREMENT)

One course from EACH group below:

**Group 1:** AFRAM: 301, 311
   HIST: 7A, 7B
   *NOT acceptable if taken either Fall 2004 or Spring 2005*

**Group 2:** POSCI: 1, 5 (POSCI 1 may be double-counted in Group 2 and Group 3; units counted only once)

**Group 3:** POSCI: 1 (POSCI 1 may be double-counted in Group 2 and Group 3; units counted only once)

**NOTE:** Courses taken to satisfy this requirement may also be used to satisfy another general education area (at the option of the receiving campus; check with the Admissions Office at the receiving campus to confirm.)
TRANSFER INFORMATION

INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC)
MERRITT COLLEGE 2019

THESE REQUIREMENTS ARE SUBJECT TO CHANGE. SEE A COUNSELOR EACH SEMESTER TO STAY CURRENT.

CAUTION: IGETC may not be the best option for transfer, particularly for majors such as Engineering, Computer Science, Biology, and Business. IGETC for STEM may also be an option. See a counselor for more information.

Completion of IGETC satisfies all lower division general education requirements at most CSU and UC campuses, and at some Independent Colleges and Universities. It is not an admission requirement, nor is it the only way to fulfill lower division general education requirements.

Associate Degrees for Transfer (ADT) to CSU: Although it is possible to fulfill the requirements for an ADT by completing the IGETC for UC pattern, admission to a CSU requires completion of an Oral Communication course (IGETC Area 1C). Students who plan to transfer to a CSU must complete this course as part of their transfer preparation.

CERTIFICATION: Merritt College can provide full certification (completion of requirements in every area) or partial certification (completion of requirements in one or more areas). All courses MUST be completed with a grade of “C” or better. Students should request GE certification when asking that their transcript be sent to the UC or CSU campus of their choice during the final term before transfer. See a counselor for more information.

NOTE: Courses with an (*) are listed in more than one area but may not be counted in more than one area.

AREA 1: ENGLISH COMMUNICATION

UC requires two courses, one from Group A and one from Group B. CSU requires three courses, one from Group A, one from Group B, and one from Group C.

Group A - English Composition: One course, (3 semester or 4-5 quarter units), from:
ENGL: 1A

Group B - Critical Thinking - English Composition: One course, (3 semester or 4-5 quarter units), from:
ENGL: 5

Group C - Oral Communication (CSU only): One course, (3 semester or 4-5 quarter units), from:
COMM: 3, 4, 20, 45

AREA 2 - MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

One course, (3 semester or 4-5 quarter units), from:
MATH: 1, 2, 3A, 3B, 3C, 3E, 3F, 13, 16A, 16B

AREA 3 - ARTS AND HUMANITIES

At least three courses, (9 semester or 12-15 quarter units), with one course from Arts (3A), one course from Humanities (3B), and one course from either Arts or Humanities.

A. Arts
ART: 1, 4, 7, 9, 12, 15
ASAME: 1*
LANHT: 64*
MUSIC: 9, 10, 11, 15A, 19, 24

B. Humanities
ASAME: 30*, 45A*, 45B*
ENGL: 1B
ENVMT: 4
HIST: 2A*, 2B*, 7A1*, 7B1*, 19*
PHIL: 1, 2
SPAN: 1B
MAY NOT be taken at any other PCCD College to satisfy this area. See a counselor for more information.
AFRAM 18 same as M/LAT 32; maximum credit: 1 course
### TRANSFER INFORMATION

**NOTE:** Courses with an (*) are listed in more than one area but may not be counted in more than one area.

#### AREA 4 - SOCIAL AND BEHAVIORAL SCIENCES

At least three courses, (9 semester or 12-15 quarter units), from at least two disciplines.

- **AFRAM:** 2, 3, 5, 8, 10, 11, 12, 13, 14A, 14B, 16, 18*, 19*, 23, 25*, 27*, 30*, 31*, 32*, 33, 38*, 45  
- **ADJUS:** 21, 22, 63  
- **ANTHR:** 2, 3, 4, 5, 7, 13, 16  
- **ASAME:** 1*, 19*, 30*, 32, 45A*, 45B*  
- **CHDEV:** 51 (formerly FACS 51)  
- **COMM:** 6, 10, 13, 18, 19  
- **COSER:** 10, 24  
- **ECON:** 1, 2  
- **ENVMT:** 2 (formerly ENVST 11), 3, 12, 19*  
- **GEOG:** 2  
- **HIST:** 2A*, 2B*, 7A*, 7B*, 19*  
- **LANHT:** 64*  
- **M/LAT:** 62, 12, 19, 23, 321*  
- **NATAM:** 19*  
- **POSCI:** 1, 2, 3, 5  
- **PSYCH:** 1A, 3, 6, 10, 12, 19*, 24, 28, 31, 33  
- **SOC:** 1, 3, 5, 13, 45, 120

1. **AFRAM 18** same as M/LAT 32; credit: 1 course  
2. **AFRAM 19** same as ASAME 19, M/LAT 6, & NATAM 19; credit: 1 course  
3. **AFRAM 38** same as ENVMT 12; credit: 1 course  
4. **ENVMT 19** same as PSYCH 19; credit: 1 course  
5. **MAY NOT** be taken at any other PCCD College to satisfy this area. See a counselor for more information.

#### AREA 5 - PHYSICAL SCIENCES AND BIOLOGICAL SCIENCES

At least two courses, (7-9 semester or 9-12 quarter units), with one course from Physical Science and one course from Biological Science; one course must include a lab (lab courses are shown with (L)).

**A. Physical Sciences.** One course from:  
- **ASTR:** 1 (add ASTR 20 to clear lab requirement), 10 (add ASTR 20 to clear lab requirement)  
- **CHEM:** 1A(L), 1B(L), 12A(L), 12B(L), 30A(L), 30B(L)  
- **GEOG:** 1 (add GEOG 1L to clear lab requirement)  
- **GEOL:** 1(L), 12  
- **PHYS:** 2A(L), 2B(L), 4A(L), 4B(L), 4C(L), 10

**B. Biological Sciences.** One course from:  
- **ANTHR:** 1 (add ANTHR 1L to clear lab requirement)  
- **BIOL:** 1A(L), 1B(L), 2(L), 3(L), 4(L), 5(L), 9(L), 10(L), 13 (add BIOL 13L/ENVMT 2L to clear lab requirement), 15, 20A(L), 20B(L), 23, 24(L), 25, 29(L), 36(L)  
- **LANHT:** 15(L)  
1. **BIOL 5** same as LANHT 15; credit: 1 course

**C. Laboratory Activity.** At least one course shown with (L) in Areas 5A or 5B OR one of the following:  
- **ANTHR:** 1L (clears lab requirement w/ ANTHR 1) ENVMT: 2L (clears lab requirement w/ BIOL 13)  
- **ASTR:** 20 (clears lab requirement w/ ASTR 1 or 10) GEOG: 1L (clears lab requirement w/ GEOG 1)  
- **BIOL:** 13L (clears lab requirement w/ BIOL 13)

#### LANGUAGE OTHER THAN ENGLISH (LOTE) (UC REQUIREMENT ONLY)

Demonstrate proficiency as follows:

1. Completion of 1 course (4-5 semester units) at a college or university, with a grade of “C” or better, that is equivalent to 2 years of high school language. Approved Merritt College courses are: SPAN 1A.  
2. Completion of 2 years of high school coursework in one LOTE with “C” or better (with official transcript); OR  
3. Satisfactory score on the College Board Subject Test (formerly SAT II) in a LOTE (see a counselor for scores); OR  
4. Score of 3 or better on the College Board Advanced Placement Exam in a LOTE; OR  
5. Score of 5 or better on the International Baccalaureate Higher Level Exam in a LOTE; OR  
6. Satisfactory score on a proficiency test given by a community college, university or other college in a LOTE; OR  
7. Completion of two years of formal schooling at the sixth grade level or higher, with grades of “C” (2.0) or better, in an institution where the language of instruction is not English (appropriate documentation must be presented).
TRANSFER INFORMATION

UNITED STATES HISTORY, CONSTITUTION, AND AMERICAN IDEALS (CSU GRADUATION REQUIREMENT)

One course from EACH group below:

**Group 1:**
- AFRAM: 30\(^1\), 31\(^1\)
- HIST: 7A, 7B

\(^1\)NOT acceptable if taken either Fall 2004 or Spring 2005

**Group 2:**
- POSCI: 1, 5 (POSCI 1 may be double-counted in Group 2 and Group 3; units counted only once)

**Group 3:**
- POSCI: 1 (POSCI 1 may be double-counted in Group 2 and Group 3; units counted only once)

**NOTE:** Courses used for this requirement may also be counted in either Areas 3B or 4 (at the option of the receiving campus; check with Admissions at the receiving campus to confirm). However, the units are counted only once.
CURRICULUM INFORMATION
NUMBERING OF COURSES

All courses numbered 1-249 are acceptable for credit towards the Associate degree. Some four-year institutions will accept a maximum of 70 semester units in transferable courses. In addition, some colleges and universities will accept only courses that are equivalent to courses taught at those institutions. The student is strongly advised to consult a counselor for transfer requirements to a particular four-year institution.

- Courses numbered 1-199 are designated as baccalaureate-level, degree-applicable courses for transfer to institutions within the California State University and the University of California Systems.
- Courses numbered 200-249 are degree-applicable, but nontransferable courses.
- Courses numbered 250-299 are nondegree-applicable, non-transferable courses, as are special selected topics courses numbered 300-399.
- Apprenticeship and Cooperative Education courses are numbered 400-499.
- Noncredit (zero-unit) courses are numbered 500-699.
- Courses numbered 700-799 are special not-for-credit (zero-unit) courses offered under contract education.
- Courses numbered 800-899 are fee-based classes that are offered for no (zero) units and for which students pay fees to cover the cost of instruction. These classes are not listed in the Schedule of Classes. Contact individual departments for the latest offerings.
- Courses numbered 900-949 are designated as baccalaureate-level, degree-applicable courses for transfer to institutions within the California State University and the University of California Systems.
- Courses numbered 950-999 are nondegree-applicable, non-transferable courses, as are special selected topics courses numbered 300-399.

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GRADING POLICY SYMBOLS

Refer to the Grade Symbol Definitions under Grading Policies in the Academic and College Policies and Procedures section of the catalog for an explanation of the grading policy symbols.

UNITS OF CREDIT

One unit of credit is defined as one hour of recitation or lecture (together with the required two hours of outside preparation for each hour of recitation or lecture) or three hours of laboratory work each week for a semester. The number appearing after the course title indicates the credit value of the course in semester units. In some cases, a course may be offered for variable units; the course may be offered for a lower number of units one semester and for a higher number of units in another semester. In variable-unit, open-entry/open-exit courses, units of credit are awarded depending upon the student’s satisfactory completion of the various components of course work. Students are advised to consult the schedule of classes for further information.

PREREQUISITES, COREQUISITES, AND RECOMMENDED PREPARATION

Refer to the Prerequisites, Corequisites, and Recommended Preparation policies in the Academic and College Policies and Procedures section of the catalog.
CURRICULUM INFORMATION

TRANSFERABILITY
Most courses numbered 1-199 (baccalaureate-level, degree-applicable courses) indicate to which California public university system the course credits may transfer as of the printing date of this catalog. “UC” means transferability to the University of California System; “CSU” means transferability to the California State University System. Refer to www.ASSIST.org for the most up-to-date transferable course list.

GENERAL EDUCATION
The notation of an AA/AS, CSU or IGETC area under a course indicates that, as of the printing date of this catalog, the course satisfies this area of the respective general education pattern. More information on general education can be found in the Associate Degrees and Certificates and Transfer to Four-Year Colleges and Universities sections of this catalog. Consult a counselor for the most updated and complete information on general education course satisfaction.

AA/AS areas: Identifies courses that can be used to fulfill the local AA/AS General Education requirement area(s).

CSU areas: Identifies courses that can be used to fulfill California State University (CSU) General Education-Breadth (CSU GE-Breadth) area(s).

IGETC areas: Identifies courses that can be used to fulfill Intersegmental General Education Transfer Curriculum (IGETC) area(s) for University of California (UC) or CSU campuses.

INDEPENDENT STUDY COURSES
Special courses are offered under course number 49 which permit the student to explore in depth an area or problem of his/her choice not covered by regular catalog offerings. The student must meet prerequisites as outlined by individual departments. Transfer credit for independent study courses (49's) is contingent upon an evaluation of the course by the receiving University of California or California State University institution after admission. Refer to the Independent Study Policy in the Academic and College Policies and Procedures section of the catalog for more information.

SELECTED TOPICS COURSES
Selected topics are courses designed for in-depth study of topics that are not offered as part of the regular catalog course offerings. The course content, hours, and unit credit are determined by the appropriate instructional department in response to student and/or community interest. The course may be offered as a lecture or laboratory class, with any prerequisites determined by the department. Selected topics are designated by course numbers in the 48NA-TZ, 248NA-TZ, and 348NA-TZ ranges. Transfer credit for selected topics courses (48's) is contingent upon an evaluation of the course by the receiving University of California or California State University institution after admission. Consult the Schedule of Classes for information on current offerings.

CROSS-LISTED COURSES
Some courses may be offered by two or more departments (cross-listed). Example:

AFRAM 19
RACISM IN THE UNITED STATES
3 units
Also offered as ASAME 19, M/LAT 6, and NATAM
19. This course may be taught under either African-American Studies, Asian and Asian-American Studies, Mexican/Latin-American Studies, or Native American Studies, in which case the student has the choice of earning credit in any one of these subject areas.

STUDENT LEARNING OUTCOMES (COURSE-LEVEL)
Course-level Student Learning Outcomes describe what students will know and be able to do when they satisfactorily complete a course. Student Learning Outcomes are housed in the college's curriculum management system, CurriQunet.

FEE-BASED COURSES
Fee-based courses are non-academic, not-for-credit courses designed for personal enrichment or professional development. All community members willing to pay fees to cover the cost of the offering may attend these courses. Fee-based courses are not listed in the college catalog or class schedule; contact departments to learn of class offerings.
BIOL 4
HUMAN PHYSIOLOGY
5 units, 4 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: CHEM 1A or CHEM 30A
Recommended preparation: BIOL 2
Acceptable for credit: CSU, UC
Detailed study of human body function: Molecules, cells, tissues, organs and organ systems, basic anatomy essential to understanding function, physical and chemical factors and process, and selected human diseases. Laboratory work includes computer simulations and interactive programs, physiological experiments and demonstrations, and use of microscopes.

AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C
C-ID: BIOL 120

0410.00
Intersegmental General Education Transfer Curriculum
CSU area B2, B3:
This course satisfies the subject area requirement for California State Universities transfer
<table>
<thead>
<tr>
<th>Department/Affiliation</th>
<th>Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration of Justice</td>
<td>ADJUS</td>
</tr>
<tr>
<td>African-American Studies</td>
<td>AFRAM</td>
</tr>
<tr>
<td>Anthropology</td>
<td>ANTHR</td>
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<tr>
<td>Art</td>
<td>ART</td>
</tr>
<tr>
<td>Asian and Asian-American Studies</td>
<td>ASAME</td>
</tr>
<tr>
<td>Astronomy</td>
<td>ASTR</td>
</tr>
<tr>
<td>Athletics (formerly Physical Education)</td>
<td>ATHL</td>
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<tr>
<td>Biology</td>
<td>BIOL</td>
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<tr>
<td>Bioscience</td>
<td>BIOSC</td>
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<tr>
<td>Business</td>
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<tr>
<td>Chemistry</td>
<td>CHEM</td>
</tr>
<tr>
<td>Child Development</td>
<td>CHDEV</td>
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<tr>
<td>Communication</td>
<td>COMM</td>
</tr>
<tr>
<td>Community Social Services</td>
<td>COSER</td>
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<tr>
<td>Computer Information Systems</td>
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<td>Computer Science</td>
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<td>Cooperative Work Experience Education</td>
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<td>Counseling</td>
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<td>Economics</td>
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<td>Educational Technology</td>
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<tr>
<td>Emergency Medical Technician</td>
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<tr>
<td>English</td>
<td>ENGL</td>
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<tr>
<td>English for Speakers of Other Languages</td>
<td>ESOL</td>
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<tr>
<td>Environmental Management and Technology</td>
<td>ENVMT</td>
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<td>Environmental Studies</td>
<td>ENVST</td>
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<td>Ethnic Studies</td>
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<tr>
<td>Fire Science</td>
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<td>Foreign Languages</td>
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<td>Geography</td>
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<tr>
<td>Geology</td>
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<tr>
<td>Health Education</td>
<td>HLTED</td>
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<td>Health Professions and Occupations</td>
<td>HLTOC</td>
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<td>History</td>
<td>HIST</td>
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<tr>
<td>Humanities</td>
<td>HUMAN</td>
</tr>
<tr>
<td>Kinesiology (formerly Physical Education)</td>
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<tr>
<td>Landscape Horticulture</td>
<td>LANHT</td>
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<tr>
<td>Learning Resources</td>
<td>LRNRE</td>
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<td>Mathematics</td>
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<td>Medical Assisting</td>
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<td>Mexican and Latin-American Studies</td>
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<tr>
<td>Music</td>
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<td>Native American Studies</td>
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<tr>
<td>Nursing</td>
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<tr>
<td>Nutrition and Dietetics</td>
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<td>Paralegal Studies</td>
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<tr>
<td>Philosophy</td>
<td>PHIL</td>
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<tr>
<td>Physical Science</td>
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<td>Physics</td>
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<td>Political Science</td>
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<td>Psychology</td>
<td>PSYCH</td>
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<td>Radiologic Science</td>
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<td>Real Estate</td>
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<td>Social and Behavioral Sciences</td>
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<td>Sociology</td>
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<td>Spanish</td>
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</table>
DIVISION I: LIBERAL ARTS AND SOCIAL SCIENCES
Dean: TBD, (510) 436-2609
Staff Assistant: D216, (510) 436-2425

Arts/Communication
- Art (ART)
- Communication (COMM)
- Music (MUSIC)

Athletics/Kinesiology
- Athletics (ATHL)
- Health Education (HLTED)
- Kinesiology (KIN)

English/Humanities
- English (ENGL)
- English for Speakers of Other Languages (ESOL)
- Humanities (HUMAN)
- Philosophy (PHIL)
- Spanish (SPAN)

Ethnic Studies
- African American Studies (AFRAM)
- Asian-American Studies (ASAME)
- Mexican/Latin-American Studies (M/LAT)
- Native American Studies (NATAM)

Fruitvale Education Center

Human Development
- Child Development (CHDEV)
- Community Social Services (COSER)
- Educational Technology (EDT)

Learning Center
- Learning Resources (LRNRE)

Library
- Library Information Studies (LIS)

Social Sciences
- Anthropology (ANTHR)
- History (HIST)
- Political Science (POSCI)
- Psychology (PSYCH)
- Sociology (SOC)

DIVISION II: MATH, SCIENCE AND TECHNOLOGY
Dean: Jason Holloway, S441, (510) 436-2426
Staff Assistant: S438, (510) 436-2409

Biology/Chemistry
- Biology (BIOL)
- Chemistry (CHEM)

Landscape Horticulture
- Environmental Management and Technology (ENVMT)
- Environmental Studies (ENVST)
- Landscape Horticulture (LANHT)

Math/Physical Sciences
- Astronomy (ASTR)
- Geography (GEOG)
- Geology (GEOL)
- Math (MATH)
- Physical Sciences (PHYSC)
- Physics (PHYS)

Technology & Business
- Business (BUS)
- Computer Information Systems (CIS)
- Computer Science (CS)
- Economics (ECON)
- Real Estate (RLEST)

DIVISION III: ALLIED HEALTH AND PUBLIC SAFETY
Dean: Dr. Richard Ramos, S440, (510) 436-2515
Staff Assistant: Vacant

Associate Degree Nursing (NURS)

Biosciences (BIOSC)

Emergency Medical Technician (EMT)

Fire Science (FISCI)

Legal Administration
- Administration of Justice (ADJUS)
- Cooperative Education (COPED)
- Paralegal Studies (PARLG)

Medical Assisting (MEDAS)

Nutrition & Dietetics (NUTR)

Radiologic Science (RADSCI)
This section includes descriptions of programs and courses offered at Merritt College and requirements for majors. Not all courses and programs are offered regularly. The college reserves the right to withdraw a course if there is insufficient enrollment. For current course offerings and information concerning new courses not listed in the catalog, please see our website at www.merritt.edu/wp/catalog and the Schedule of Classes.
With today’s expanding technology and challenging economy, it’s important that Merritt College provides the community with an educated and well-trained workforce armed with associate degrees and certificates as they head to their future careers. Our wide variety of more than 50 Career Education (CE) programs provide both career course offerings and general education classes designed to prepare students of all ages for in-demand careers, job changes, or advancement needs. Students can also transfer to a four-year college or university to further their education. Both the educational goals of our students and the workforce needs of our community are carefully considered when designing our programs.

Career education disciplines are identified by this icon.

**BUSINESS & ENTREPRENEURSHIP**
All companies need qualified people to manage their operations in some way, but there are also plenty of opportunities to start your own business. All of Merritt’s programs are designed for students to specialize in a particular area and are especially useful if you are looking for your first job or trying to advance in a current position. So whether you want to move right into the workplace or are planning to transfer to a four-year college to continue your education, there are programs for all interests in the business world.

**Business & Entrepreneurship Programs**

| Accounting | Business Management | Real Estate |
| Administrative Assistant | Entrepreneurship | Retail Management |
| Administrative Office Systems & Applications | General Business | Small Business Management |
| Business Administration | Human Resource Management | |
| Business Information Processing | Legal Office Assistant | |

**ENVIRONMENT & SUSTAINABILITY**
One of the first of its kind in the nation, the Environmental Management & Technology program is conveniently located between two wildland watershed open spaces in the Oakland hills that serve as field classrooms, along with the student-built Self-Reliant House. Here students experience hands-on projects that lead to certificates and careers as park rangers and naturalists, environmental restoration technicians, conservation workers, and environmental consultants while working for government agencies, non-profit organizations, and the private sector. Similarly, the wide-open 7-1/2-acre “classroom” housing the popular Landscape Horticulture program nearby offers multiple degrees and certificates to prepare students for careers that will lead to jobs that are in demand by employers of parks, schools, golf courses, landscape contractors, and tree service companies—or graduates can become successfully self-employed.

**Landscape Horticulture Programs**

| Arboriculture | Landscape Architecture | Tree Care Specialist |
| Basic Landscape Horticulture | Landscape Design & Construction Specialist | Tree Climber Specialist |
| Design & Construction | Landscape & Parks Maintenance Specialist | |
| Intermediate Landscape | Nursery Management Specialist | |
| Intermediate Landscape & Parks Maintenance | Permaculture Design | |
| Intermediate Nursery Management | | |

**INFORMATION & COMMUNICATION TECHNOLOGY**
Every day we hear about major companies or retailers getting hacked. Now you can be part of the solution by learning to protect computers, networks, programs, and data by joining the rapidly growing field of cybersecurity. The two programs, created by Silicon Valley security experts, give you the option of working in software (Application) or hardware (Infrastructure). Classes are taught by industry professionals alongside Merritt faculty in a hybrid combination of classroom instruction and virtual lab assignments. The hands-on program includes internships at workplaces throughout the Bay Area to give you real-life experience for your first job.

**Cybersecurity Programs**

| Applications Security |
| Infrastructure Security |
HEALTHCARE AND BIOSCIENCE
Healthcare is one of the largest and fastest-growing occupations in the Bay Area with many in-demand job opportunities. At Merritt College, our Allied Health area offers renowned programs from Nursing to Radiologic Science so students have a wide choice of studies and get essential hands-on experience in hospitals, medical clinics, and doctor's offices. The need for Bioscience specialists is also evident at Merritt where students are getting offered jobs before they even complete their studies in fields such as Genomics, Histotechnician, and Microscopy.

Healthcare Programs
- Emergency Medical Technical (EMT)
- Medical Assisting (Clinical and Administrative)
- Nursing
- Nutrition & Dietetics

Bioscience Programs
- Fluorescence Bioscience Microscopy
- Histotechnician
- Illumina HiSeq DNA Sequencing

PUBLIC AND HUMAN SERVICES
The variety of program offerings in Child Development prepares students with the knowledge and opportunities to work with children of different ages in providing quality learning experiences in so many areas and age ranges. The on-campus Lab School provides students with the hands-on experiences of practicing what they learn in a real-life setting. For students seeking entry-level positions in a career where they can help others, the Community Social Services/Substance Abuse program prepares students for paraprofessional positions providing counseling, case management, crisis management, and relapse prevention services.

Child Development Programs
- Early Childhood Education
- Child Development
- Teacher
- Associate Teacher
- Assistant Teacher
- Family Child Care Provider
- Infant/Toddler Specialist
- Introduction to Early Childhood
- Education for Family Child Care Providers (Noncredit)
- Introduction to Infant/Toddler Care (Noncredit)

Community Social Services
- Community Social Services/Substance Abuse

PUBLIC SERVICE & LAW
Students in the Administration of Justice Program have the benefit of being taught by instructors from the Oakland Police Department and other law enforcement agencies who provide real-life lessons and hands-on experiences. The program’s popular Pre-Academy course prepares students for the rigorous police entry requirement. The Fire Science Program is also taught by practicing professionals as they prepare students for careers as fire fighters or fire investigators. The training can also open doors to jobs in emergency management, homeland security, forensics, and other exciting careers. With a growing need by attorneys for trained paralegals who know substantive law and administrative procedures, the Paralegal Studies program can teach you skills to become successful with only a 27-unit curriculum.

Public Service & Law Programs
- Administration of Justice
- Administration of Justice: Corrections
- Administration of Justice: Police Science
- Homeland Security
- Fire Science
- Paralegal Studies
The Administration of Justice programs provide students with core, foundational knowledge of the criminal justice system so that students have equal access to colleges and universities with criminal justice pathways and acquire the skills necessary to work in various public safety careers.

The Administration of Justice programs serve those who wish to train for a career in a field associated with the administration of criminal justice, to prepare for transfer to a four-year institution, and those currently employed in an administration of justice agency seeking training for career advancement.

Some of the career opportunities in Administration of Justice include police officer, deputy sheriff, state or federal patrol and investigative officer, correctional aide, security specialist, community service officer, police cadet, and reserve officer. Additional opportunities exist in managerial and supervisory position in individual fields: correction, counseling, and probation and parole with federal, state, and county agencies.

Merritt College offers the following degree and certificate programs in Administration of Justice:

ADMINISTRATION OF JUSTICE
• ASSOCIATE IN SCIENCE IN ADMINISTRATION OF JUSTICE FOR TRANSFER (AS-T) DEGREE

ADMINISTRATION OF JUSTICE: CORRECTIONS
• ASSOCIATE IN ARTS (AA) DEGREE
• CERTIFICATE OF ACHIEVEMENT

ADMINISTRATION OF JUSTICE: POLICE SCIENCE
• ASSOCIATE IN ARTS (AA) DEGREE
• CERTIFICATE OF ACHIEVEMENT

HOMELAND SECURITY
• CERTIFICATE OF ACHIEVEMENT
ADMINISTRATION OF JUSTICE
ASSOCIATE IN SCIENCE IN ADMINISTRATION OF JUSTICE
FOR TRANSFER (AS-T) DEGREE

DESCRIPTION
The mission of the Associate in Science for Transfer in Administration of Justice degree program is to provide students with knowledge of the criminal justice system and its diverse components, as well as provide the training necessary to enter various careers in the criminal justice sector. The program is for those who seek to prepare for a career in criminal justice, transfer to a college or university, and for those who are currently employed in an administration of justice agency and who seek training for career advancement.

Students will be prepared to work in a variety of fields, including: public law enforcement agencies such as municipal police, probation officers, county deputy sheriffs, correctional offices, game wardens, state parks, and private security. Those completing the AS-T in Administration of Justice degree will be able to transfer to the California State University system and be prepared to study in the following areas: Administration of Justice, Law Enforcement, Correctional Administration, Social Science, and Pre-Law.

Students completing the Associate in Science for Transfer Administration of Justice degree are required to meet the following requirements: Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
A. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.
B. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
C. Obtainment of a minimum grade point average of 2.0.
D. Students should note that no more than 60 units are required for this degree and that no additional requirements will be imposed by Merritt College. In addition, no remedial or non-collegiate level course work will be counted in the total units for this degree.

CAREER OPPORTUNITIES
The program prepares students for positions such as police officer, deputy sheriff, state or federal patrol and investigative officer, correctional aide, security specialist, community service officer, police cadet, and reserve officer, as well as manager and supervisor in these individual fields. Placement may depend on job availability and the successful completion of an entrance examination.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Demonstrate an understanding and ability to analyze crime, policies, procedures, and the people that shape the justice system.
2. Bridge policies and procedures with practical knowledge and apply that knowledge to prospective careers in the criminal justice sector.
3. Demonstrate the critical thinking skills necessary to effectively evaluate problems in the criminal justice system and provide solutions to these problems nationally and locally.
4. Create and contribute to an environment conducive and accepting of in-depth analysis and critique of social policy and social justice issues as it relates to socioeconomic status, race, gender, ethnicity, and culture.
## PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td></td>
<td><strong>Major Core Courses</strong></td>
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</tr>
<tr>
<td>ADJUS 21</td>
<td>Introduction to Administration of Justice</td>
<td>3</td>
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<tr>
<td>ADJUS 22</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
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<td></td>
<td><strong>Major Elective Courses</strong></td>
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<td><strong>Group A</strong></td>
<td>Select two courses for a minimum of 6 units from the following:</td>
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<tr>
<td>ADJUS 24</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
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<tr>
<td>ADJUS 25</td>
<td>Community Relations</td>
<td>3</td>
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<tr>
<td>ADJUS 26</td>
<td>Introduction to Forensics</td>
<td>3</td>
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<tr>
<td>ADJUS 51</td>
<td>Juvenile Law and Procedures</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 56</td>
<td>Criminal Investigation</td>
<td>3</td>
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<tr>
<td>ADJUS 63</td>
<td>Introduction to Corrections</td>
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<td><strong>Group B</strong></td>
<td>Select two courses for 6 units from the following:</td>
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<tr>
<td>SOC 1</td>
<td>Introduction to Sociology</td>
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<td>PSYCH 1A</td>
<td>Introduction to Psychology</td>
<td>3</td>
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<tr>
<td>MATH 13</td>
<td>Introduction to Statistics</td>
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<td><strong>Major Requirements</strong></td>
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<td><strong>General Education Requirements (CSU-GE or IGETC)</strong></td>
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<tr>
<td><strong>Electives (CSU transferable)</strong></td>
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</tr>
<tr>
<td><strong>Total Units</strong></td>
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<td>60</td>
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</table>
**ADMINISTRATION OF JUSTICE: CORRECTIONS ASSOCIATE IN ARTS (AA) DEGREE**

**DESCRIPTION**
The Associate in Arts in Administration of Justice: Corrections degree program provides preparatory instruction necessary for persons who wish entry into four-year institutions for careers as Correctional Officers, Counselors or Probation and Parole Officers with federal, state, and county agencies. Entry-level employment may be available after satisfactory completion of the AA degree requirements.

To qualify for the Associate in Arts in Administration of Justice: Corrections degree, students must satisfactorily complete the Degree Major requirements and the local AA/AS General Education requirements. See the Associate Degrees section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS General Education requirements.

**CAREER OPPORTUNITIES**
Career opportunities may include entry-level employment in federal, state, and county agencies.

**PROGRAM LEARNING OUTCOMES**
Upon successful completion of this program, students will be able to:

1. Communicate appropriately, in both verbal and computer-generated written (narrative report) formats, within the criminal justice system.
2. Demonstrate professional, ethical, respectful conduct to those of diverse cultures, customs, and beliefs in stressful, emotionally charged situations.
3. Critically analyze behaviors and situations for violations of criminal law, criminal procedure, and/or for possible defenses.
4. Develop and maintain relationships of trust and respect with co-workers, the community, employers, and criminal suspects.

**PROGRAM REQUIREMENTS**

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<td><strong>Major Core Courses</strong></td>
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<td>ADJUS 21</td>
<td>Introduction to Administration of Justice</td>
<td>3</td>
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<td>ADJUS 22</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
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<td>ADJUS 23</td>
<td>Principles and Procedures of the Justice System</td>
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<tr>
<td>ADJUS 24</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
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<tr>
<td>ADJUS 25</td>
<td>Community Relations</td>
<td>3</td>
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<td>ADJUS 63</td>
<td>Introduction to Corrections</td>
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<td><strong>Group A</strong> Select three courses for a total of 9 units from the following:</td>
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<tr>
<td>ADJUS 51</td>
<td>Juvenile Law and Procedures</td>
<td>3</td>
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<td>ADJUS 56</td>
<td>Criminal Investigation</td>
<td>3</td>
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<td>COSER 10</td>
<td>Community Resources and Social Policy</td>
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<td>COSER 16A</td>
<td>Communication: Theory and Practice</td>
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<tr>
<td>COSER 16B</td>
<td>Communication: Families in Crisis</td>
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<tr>
<td>COSER 22</td>
<td>Social Psychology of Substance/Drug Abuse</td>
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<td>COSER 24</td>
<td>Human Development</td>
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<td>COSER 41</td>
<td>Substance Abuse and the Law</td>
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<td>COSER 42</td>
<td>Counseling Skills and Substance Abuse</td>
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<td><strong>Group B</strong> Select one course from Group B</td>
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<tr>
<td>ENGL 1A</td>
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<tr>
<td>ENGL 201A*</td>
<td>Preparation for Composition and Reading</td>
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CONTINUED
## PROGRAMS

### ADMINISTRATION OF JUSTICE (ADJUS)

#### ADMINISTRATION OF JUSTICE: CORRECTIONS ASSOCIATE IN ARTS (AA) DEGREE

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<th>Group C</th>
<th>Select one course from Group C</th>
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<td>ENGL 1B</td>
<td>Composition and Reading</td>
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<tr>
<td>ENGL 201B*</td>
<td>Preparation for Composition and Reading</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group D</th>
<th>Select one course from Group D</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYCH 1A</td>
<td>Introduction to General Psychology</td>
</tr>
<tr>
<td>PSYCH 10</td>
<td>Psychology and Life: Basic Principles</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group E</th>
<th>Select one course from Group E</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 1</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>SOC 2</td>
<td>Social Problems</td>
</tr>
</tbody>
</table>

*ENGL 201A and 201B are not transferable; ENGL 1A and 1B are required for transfer and for the Associate degree.

### Recommended Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFRAM 10</td>
<td>Sociology of African-Americans</td>
<td>(3)</td>
</tr>
<tr>
<td>AFRAM 12</td>
<td>Psychology of African-Americans</td>
<td>(3)</td>
</tr>
<tr>
<td>AFRAM 16</td>
<td>The Prison Industrial Complex: African American Incarceration</td>
<td>(3)</td>
</tr>
<tr>
<td>AFRAM 32</td>
<td>African-American History: 1945 to Present</td>
<td>(3-4)</td>
</tr>
<tr>
<td>COMM 20</td>
<td>Interpersonal Communication Skills</td>
<td>(3)</td>
</tr>
<tr>
<td>COMM 45</td>
<td>Public Speaking</td>
<td>(3)</td>
</tr>
</tbody>
</table>

Select one from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFRAM 19</td>
<td>Racism in the United States</td>
<td>(3)</td>
</tr>
<tr>
<td>ASAME 19</td>
<td>Racism in the United States</td>
<td>(3)</td>
</tr>
<tr>
<td>M/LAT 6</td>
<td>Racism in the United States</td>
<td>(3)</td>
</tr>
<tr>
<td>NATAM 19</td>
<td>Racism in the United States</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Major Requirements** 41

**Total Units** 60
ADMINISTRATION OF JUSTICE: CORRECTIONS
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
The Certificate of Achievement in Administration of Justice: Corrections provides preparatory instruction necessary for persons who wish entry into four-year institutions for careers as Correctional Officers, Counselors or Probation and Parole Officers with federal, state, and county agencies. Entry-level employment may be available after satisfactory completion of the certificate requirements.

A Certificate of Achievement will be awarded upon satisfactory completion of the minimum 32 units specified for the certificate and may be completed in two semesters.

CAREER OPPORTUNITIES
Career opportunities may include entry-level employment in federal, state, and county agencies.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Communicate appropriately, in both verbal and computer-generated written (narrative report) formats, within the criminal justice system.
2. Demonstrate professional, ethical, respectful conduct to those of diverse cultures, customs, and beliefs in stressful, emotionally charged situations.
3. Critically analyze behaviors and situations for violations of criminal law, criminal procedure, and/or for possible defenses.
4. Develop and maintain relationships of trust and respect with co-workers, the community, employers, and criminal suspects.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADJUS 21</td>
<td>Introduction to Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 22</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 23</td>
<td>Principles and Procedures of the Justice System</td>
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</tr>
<tr>
<td>ADJUS 24</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 25</td>
<td>Community Relations</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 63</td>
<td>Introduction to Corrections</td>
<td>3</td>
</tr>
</tbody>
</table>

**Major Elective Courses**
Select one course from each Group for 3-4 units from the following:

**Group A**
- ENGL 1A Composition and Reading 4
- ENGL 201A* Preparation for Composition and Reading 4

**Group B**
- ENGL 1B Composition and Reading 4
- ENGL 201B* Preparation for Composition and Reading 4

**Group C**
- PSYCH 1A Introduction to General Psychology 3
- PSYCH 10 Psychology and Life: Basic Principles 3

**Group D**
- SOC 1 Introduction to Sociology 3
- SOC 2 Social Problems 3

*ENGL 201A and 201B are not transferable; ENGL 1A and 1B are required for transfer and for the Associate degree.

CONTINUED
## ADMINISTRATION OF JUSTICE (ADJUS)

### PROGRAMS AND COURSES

**ADMINISTRATION OF JUSTICE: CORRECTIONS**

#### CERTIFICATE OF ACHIEVEMENT

<table>
<thead>
<tr>
<th>Recommended Courses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AFRAM 10</td>
<td>Sociology of African-Americans</td>
</tr>
<tr>
<td>AFRAM 12</td>
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<tr>
<td>AFRAM 16</td>
<td>The Prison Industrial Complex: African American Incarceration</td>
</tr>
<tr>
<td>AFRAM 32</td>
<td>African-American History: 1945 to Present</td>
</tr>
<tr>
<td>COMM 20</td>
<td>Interpersonal Communication Skills</td>
</tr>
<tr>
<td>COMM 45</td>
<td>Public Speaking</td>
</tr>
</tbody>
</table>

Select one recommended course from the following:

| AFRAM 19                  | Racism in the United States                 |
| ASAME 19                  | Racism in the United States                 |
| M/LAT 6                   | Racism in the United States                 |
| NATAM 19                  | Racism in the United States                 |

**Total Units** 32
DESCRIPTION
The Associate in Arts in Administration of Justice: Police Science degree program provides practical and technical instruction to meet the requirements of law enforcement agencies at the local, state, and federal levels. The program is designed for men and women who are interested in careers as a law enforcement officer with responsibilities of ensuring the security of human rights and maintaining social order according to the democratic system. Some responsibilities of law enforcement officers include enforcing laws and detecting and arresting violators of the law, crime prevention, and protecting life and property.

To qualify for the Associate in Arts in Administration of Justice: Police Science degree, students must satisfactorily complete the Degree Major requirements and the local AA/AS General Education requirements. The AA degree may be completed in four semesters.

NOTE: Students should see a counselor at least once each semester to plan for their educational goal(s).

CAREER OPPORTUNITIES
Career Opportunities may include employment in public law enforcement agencies such as municipal police, probation officers, county deputy sheriffs, correctional officers, game wardens, state parks, and private security.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Effectively use suppression equipment and practices.
2. Engage in public education and present prevention practices.
3. Employ chain-of-command and paramilitary management structure.
4. Recognize career hazards and safety equipment and practice.
## Administration of Justice: Police Science

### Associate in Arts (AA) Degree

#### Program Requirements

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADJUS 21</td>
<td>Introduction to Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 22</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 23</td>
<td>Principles and Procedures of the Justice System</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 24</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 25</td>
<td>Community Relations</td>
<td>3</td>
</tr>
<tr>
<td>HLTED 1</td>
<td>Exploring Health Issues</td>
<td>3</td>
</tr>
</tbody>
</table>

| **Major Elective Courses**                                       |                                                |       |
| **Group A**                                                      | Select a minimum of 9 units from the following courses in Group A: |       |
| ADJUS 51  | Juvenile Law and Procedures                                          | 3     |
| ADJUS 56  | Criminal Investigation                                               | 3     |
| ADJUS 57  | Report Writing for Public Safety Personnel                          | 3     |
| ADJUS 63  | Introduction to Corrections                                          | 3     |
| COSER 10  | Community Resources and Social Policy                                | 3     |
| COSER 16A | Communication: Theory and Practice                                  | 3     |
| COSER 16B | Communication: Families in Crisis                                   | 3     |
| COSER 24  | Human Development                                                    | 3     |
| COSER 41  | Substance Abuse and the Law                                          | 3     |

| **Group B**                                                      | Select one course from Group B                  |       |
| ENGL 1A   | Composition and Reading                                              | 4     |
| ENGL 201A*| Preparation for Composition and Reading                              | 4     |

| **Group C**                                                      | Select one course from Group C                  |       |
| ENGL 1B   | Composition and Reading                                              | 4     |
| ENGL 201B*| Preparation for Composition and Reading                              | 4     |

| **Group D**                                                      | Select one course from Group D                  |       |
| PSYCH 1A  | Introduction to General Psychology                                   | 3     |
| PSYCH 10  | Psychology and Life: Basic Principles                               | 3     |

| **Group E**                                                      | Select one course from Group E                  |       |
| SOC 1     | Introduction to Sociology                                            | 3     |
| SOC 2     | Social Problems                                                      | 3     |

*ENGL 201A and 201B are not transferable; ENGL 1A and 1B are required for transfer and for the Associate degree.

**Recommended Courses:**

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFRAM 10</td>
<td>Sociology of African-Americans</td>
<td>(3)</td>
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<td>AFRAM 12</td>
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<td>(3)</td>
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<td>(3)</td>
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<td>AFRAM 32</td>
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<tr>
<td>COMM 20</td>
<td>Interpersonal Communication Skills</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Major Requirements**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
</tr>
</tbody>
</table>

**Total Units**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
</tr>
</tbody>
</table>
DESCRIPTION
The Certificate of Achievement in Administration of Justice: Police Science program provides practical and technical instruction to meet the requirements of law enforcement agencies at the local, state, and federal levels. The program is designed for men and women who are interested in careers as a law enforcement officer with responsibilities of ensuring the security of human rights and maintaining social order according to the democratic system. Some responsibilities of law enforcement officers include enforcing laws and detecting and arresting violators of the law, crime prevention, and protecting life and property.

A Certificate of Achievement will be awarded upon satisfactory completion of the minimum 32 units specified for the certificate.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Effectively use suppression equipment and practices.
2. Engage in public education and present prevention practices.
3. Employ chain of command and paramilitary management structure.
4. Recognize career hazards and safety equipment and practice.

PROGRAM REQUIREMENTS

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<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADJUS 21</td>
<td>Introduction to Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 22</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
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<tr>
<td>ADJUS 23</td>
<td>Principles and Procedures of the Justice System</td>
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<td>ADJUS 24</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
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<td>HLTED 1</td>
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</tr>
</tbody>
</table>

**Major Elective Courses**

Select one course from each Group for 3-4 units from the following:

<table>
<thead>
<tr>
<th>Group A</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1A</td>
<td>Composition and Reading</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 201A*</td>
<td>Preparation for Composition and Reading</td>
<td>4</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1B</td>
<td>Composition and Reading</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 201B*</td>
<td>Preparation for Composition and Reading</td>
<td>4</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Group C</th>
<th>Title</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>PSYCH 1A</td>
<td>Introduction to General Psychology</td>
<td>3</td>
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<td>Psychology and Life: Basic Principles</td>
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</table>

<table>
<thead>
<tr>
<th>Group D</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 1</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 2</td>
<td>Social Problems</td>
<td>3</td>
</tr>
</tbody>
</table>

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## ADMINISTRATION OF JUSTICE: POLICE SCIENCE CERTIFICATE OF ACHIEVEMENT

<table>
<thead>
<tr>
<th>Recommended Courses</th>
<th>(units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFRAM 10 Sociology of African-Americans</td>
<td>(3)</td>
</tr>
<tr>
<td>AFRAM 12 Psychology of African-Americans</td>
<td>(3)</td>
</tr>
<tr>
<td>AFRAM 16 The Prison Industrial Complex: African American Incarceration</td>
<td>(3)</td>
</tr>
<tr>
<td>AFRAM 32 African-American History: 1945 to Present</td>
<td>(3-4)</td>
</tr>
<tr>
<td>COMM 20 Interpersonal Communication Skills</td>
<td>(3)</td>
</tr>
<tr>
<td>COMM 45 Public Speaking</td>
<td>(3)</td>
</tr>
</tbody>
</table>

Select one recommended course from the following:

<table>
<thead>
<tr>
<th>Recommended Courses</th>
<th>(units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFRAM 19 Racism in the United States</td>
<td>(3)</td>
</tr>
<tr>
<td>ASAME 19 Racism in the United States</td>
<td>(3)</td>
</tr>
<tr>
<td>M/LAT 6 Racism in the United States</td>
<td>(3)</td>
</tr>
<tr>
<td>NATAM 19 Racism in the United States</td>
<td>(3)</td>
</tr>
</tbody>
</table>

| Total Units                               | 32      |
HOMELAND SECURITY
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
The Homeland Security Certificate of Achievement provides foundational knowledge of local, national and international security. The program examines national security threats related to domestic and international terrorism, while exploring the roles and responsibilities of local and national security agencies when preparing for emergencies. The program is designed to prepare students for employment in entry-level and advanced positions in the public and private security sectors.

A Certificate of Achievement will be awarded upon satisfactory completion of the certificate requirements specified below.

CAREER OPPORTUNITIES
Careers opportunities may include TSA Officer, Security Guard, Port Security, School Security, Bank Guard, Company Guard, Hospital Guard, and Mall Security. Successful completion of the Security Guard course, the attainment of a Guard Card, and completion of the California Powers to Arrest Exam allows immediate entry into the security field.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Describe the history of terrorism and homeland security
2. Describe the roles and responsibilities of various homeland security agencies
3. Solve problems as an individual and in a coordinated team setting.
4. Demonstrate knowledge of the impact of technology on countering threats to security

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADJUS 21</td>
<td>Introduction to Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 70</td>
<td>Introduction to Homeland Security</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 71</td>
<td>Intelligence Analysis and Security Management</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 72</td>
<td>Introduction to Terrorism/WMD</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 115</td>
<td>Transportation and Border Security</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 116</td>
<td>Security Guard</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Units 16
ADMINISTRATION OF JUSTICE

**ADJUS 21**
**INTRODUCTION TO ADMINISTRATION OF JUSTICE**
3 units, 3 hours lecture (GR)
Eligible for credit by examination
Acceptable for credit: CSU, UC

History and philosophy of administration of justice in America: Identification of various subsystems emphasizing U.S. courts, corrections, and law enforcement; role expectations and their interrelationships; theories of crime, punishment, and rehabilitation; ethics; and education and training for professionalism. 2105.00
AA/AS area 2; CSU area D; IGETC area 4H
C-ID: AJ 110

**ADJUS 22**
**CONCEPTS OF CRIMINAL LAW**
3 units, 3 hours lecture (GR)
Eligible for credit by examination
Acceptable for credit: CSU, UC

Historical development and philosophy of law and constitutional provisions: Classification of crime, legal research, study of case law, and concepts of law as a social force. 2105.00
AA/AS area 2; CSU area D; IGETC area 4

**ADJUS 23**
**PRINCIPLES AND PROCEDURES OF THE JUSTICE SYSTEM**
3 units, 3 hours lecture (GR)
Recommended preparation: ADJUS 21
Eligible for credit by examination
Acceptable for credit: CSU, UC

Study of the role and responsibilities of each segment within the administration of justice system: Law enforcement, judicial, and corrections systems; past and contemporary analysis of subsystem procedures from initial entry to final disposition, and the relationship each segment maintains with its system members. 2105.00

**ADJUS 24**
**LEGAL ASPECTS OF EVIDENCE**
3 units, 3 hours lecture (GR)
Recommended preparation: ADJUS 21
Acceptable for credit: CSU

Origin, development, philosophy and constitutional basis of evidence: Constitutional and procedural considerations affecting arrest, search and seizure; kinds and degrees of evidence and rules governing admissibility; and judicial decisions interpreting individual rights and case studies. 2105.00
C-ID: AJ 124

**ADJUS 25**
**COMMUNITY RELATIONS**
3 units, 3 hours lecture (GR)
Recommended preparation: ADJUS 21
Eligible for credit by examination
Acceptable for credit: CSU, UC

Survey of relationship between the criminal justice system and evolving multicultural communities: Causal and symptomatic aspects of community misunderstanding, misinformation, prejudice, one-sidedness and mistrust; the challenges of administering justice within a diverse population and possibilities for change. 2105.00
AA/AS area 2; CSU area D
C-ID: AJ 160

**ADJUS 26**
**INTRODUCTION TO FORENSIC INVESTIGATION**
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU

History and philosophy of forensic investigation from the perspective of the investigator: Identification of various techniques and their applications, role expectations and the interrelationships with other scientific and non-scientific disciplines as they relate to the judicial system. 2105.40

**ADJUS 49**
**INDEPENDENT STUDY IN ADMINISTRATION OF JUSTICE**
.S-5 units (GR)
Acceptable for credit: CSU

See section on Independent Study. 2105.00

**ADJUS 51**
**JUVENILE LAW AND PROCEDURES**
3 units, 3 hours lecture (GR)
Recommended preparation: ADJUS 21
Acceptable for credit: CSU

The history and philosophy of juvenile law and procedures in America: Assessment of juvenile court law and agencies involved in crime control; law enforcement approach to delinquency control utilizing accepted techniques of prevention, repression, investigation, and apprehension of youthful offenders. 2105.00

**ADJUS 56**
**CRIMINAL INVESTIGATION**
3 units, 3 hours lecture (GR)
Recommended preparation: ADJUS 21
Acceptable for credit: CSU

Fundamentals and basic principles of all types of investigations: Crime scene search to locate, identify, record, collect, preserve, and transport physical evidence using scientific aids; modus operandi, sources of information, interviews and interrogation, surveillance, follow-up, technical resources, and case preparation. 2105.00
C-ID: AJ 140
ADJUS 57
REPORT WRITING FOR PUBLIC SAFETY PERSONNEL
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: ADJUS 21, and ENGL 201A or ENGL 201B
Eligible for credit by examination
Acceptable for credit: CSU

Techniques of communicating facts, information and ideas effectively in a simple, clear and logical manner in various types of public-safety systems reports: Emphasis on letters, memoranda, directives, and administrative reports and summaries required in public-safety systems such as police and fire; terminology, correct English usage, and organization of information; practice experience in note taking and report writing; and presentation of testimony in court. 2199.00

ADJUS 59
PATROL PROCEDURES
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU

Exploration of theories, philosophies, concepts, techniques, and responsibilities related to the beat patrol officer: Emphasis on patrol, traffic, preliminary investigations, public service, identification of police hazards, beat patrol, observations, and operation of emergency vehicles. 2105.00

ADJUS 63
INTRODUCTION TO CORRECTIONS
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC

Philosophy and history of corrections from historical and theoretical point of view: Survey of various explanations for criminal behavior; functions and objectives of criminal justice system concerned with probation, institutions, and parole process as they affect offender behavior modification; court system relations to criminal offender; and modern approaches in correctional process. 2105.10
AA/AS area 2; CSU area D; IGETC area 4J
C-ID: AJ 200

ADJUS 70
INTRODUCTION TO HOMELAND SECURITY
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU

History and philosophy of homeland security: Past domestic terrorism events including the 1993 World Trade Center bombing and the Oklahoma City bombing; recounts both government and private action taken in the aftermath of 9/11 as it relates to legislation, government organization, communication, technology, and emergency management practices. 2105.00

ADJUS 71
INTELLIGENCE ANALYSIS AND SECURITY MANAGEMENT
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU

Comprehensive study of intelligence analysis and its relationship to the security management of terrorist attacks, man-made disasters and natural disasters: Various vulnerabilities of our national defense and private sectors posed to these institutions by terrorists, man-made disasters, and natural disasters; issues regarding intelligence support of homeland security measures implemented by the United States and the intelligence community. 2105.00

ADJUS 72
INTRODUCTION TO TERRORISM/WMD
3 units, 3 hours lecture (GR)
Recommended preparation: ADJUS 70
Acceptable for credit: CSU

History of terrorism: Different types of terrorism (bio, cyber, domestic and international), role of the Federal government in combating this problem, relationship between the Federal government and local agencies, and the use of forensics in an actual weapons-of-mass-destruction (WMD) incident. 2105.00

ADJUS 110
BASIC COURSE—POLICE ACADEMY
40 units, 31.26 hours lecture, 28.80 hours laboratory (GR)
Prerequisite: Background check
Recommended preparation: KIN 153A
Acceptable for credit: CSU

Techniques of law enforcement: Fundamental principles and procedures of criminal law, patrol procedures, investigation procedures, defensive and offensive tactics, use of weapons, community relations, police vehicle operations, traffic enforcement, investigation of accidents, first aid and physical conditioning for police service. 2105.50

ADJUS 115
TRANSPORTATION AND BORDER SECURITY
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU

Border security and security for transportation infrastructure from post 9/11 to the present: Seaports, ships, aircraft, airports, trains, train stations, trucks, highways, bridges, rail lines, pipelines, and buses; provides an overview of modern border and transportation security challenges, as well as different methods used to address these challenges. 2105.00
ADJUS 116  
SECURITY GUARD  
1 unit, 1 hour lecture (GR)  
Acceptable for credit: CSU  
Key concepts and skills needed to qualify for entry-level employment as a security guard in a public or private security company: Emphasis on proper techniques to use to protect property, resolve conflicts, overcome resistance by use of force and restraint, and make proper arrests, if necessary. 2105.00

ADJUS 200  
LAW ENFORCEMENT PRE-ACADEMY  
3 units, 3 hours lecture (P/NP)  
Preparation for a law enforcement police academy: Class lectures, note taking, written tests, oral communication, physical fitness exercises, emergency vehicle operation training, defensive tactics, and practical scenarios to simulate training practices in a law enforcement police academy. 2105.00
The mission of African-American Studies in the Department of Ethnic Studies is to offer opportunities for students to deepen their understanding of the multicultural and multi-racial history and character of the American experience generally and the varied racial and ethnic experiences specifically. In addition, the aim is to locate the experiences of people of color in a larger global context in terms of identity, culture, sociology, history and economic relations between nations. As new processes of migration evolved due to global economic politics, the program’s purpose is to incorporate into the curriculum, new topics of discussion and learning such as: borderlands, scarcity and migration, globalization and democracy, and the increasing “ethnicization” of central economies.

African-American Studies seeks to help community college students develop factual information, tools of analyses, and favorable attitudes toward the African-American struggle and the liberation of African people from powerlessness, poverty, and racism. Career paths comprise the same opportunities as other humanities and social science degrees, with knowledge of and commitment to community empowerment. African American Studies can lead to employment in the following fields: science, business, nursing and other medical professions, corporations, art, law, politics, community activism, psychology, entrepreneurship, education, writing, and many others.

Merritt College offers the following degree program in African-American Studies:

AFRICAN-AMERICAN STUDIES
• ASSOCIATE IN ARTS (AA) DEGREE
AFRICAN AMERICAN STUDIES
ASSOCIATE IN ARTS (AA) DEGREE

DESCRIPTION
The Associate in Arts degree in African American Studies will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements.

CAREER OPPORTUNITIES
Equal to any liberal arts degree with transfer emphasis.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Critical Thinking (Prepare) Students will be able to examine research, ideologies, issues and text from an African Centered point of view that illuminates the uniqueness of the Black experience in a wholistic and contextualized manner.
2. Organizing Ideologies and Tactics (Apply and Engage) Students will be able to compare, contrast and evaluate different philosophies and means for addressing issues of concern in the African world community. Students will engage in organizations and methods that empower African people.
3. Global Pan-African Perspective (Speak, Engage) Students will recognize and apply their identity and activism from a unified understanding of the race, culture and heritage of African people.
4. Cultural Pride and Racial Identity (Define and Maintain) Students will exhibit a positive self and collective awareness in their race and heritage.
5. Increased Multi-Cultural Awareness (Prepare and Contribute) Students will be able to recognize the sources of personal attitudes and world views and deal constructively with issues that arise out of human differences. Students will be able to combat and transcend the impact of over generalizing and stereotyping.
6. African Centered Perspective in All Areas of Life and Work (Observe and Respond) Students will develop a perspective and behavior that incorporates African Centered thought into all areas of life; including family, work, community commitment and social justice activities.
7. College Level Performance in Writing and Reading (Prepare) Students will be able to read and write with intellectual integrity; accessing, critically evaluating and synthesizing information from scholarly resources and expressing them in written form.
8. Applying Knowledge to Advanced Study (Prepare) Students will be prepared to successfully complete academic work at the institution they transfer to.
9. Community Involvement and Activism (Contribute) Students will understand the role they must play in combating oppression in the African world community. They will have an enhanced self-awareness about the power of collective action and the role of the individual in collective justice.
## AFRICAN-AMERICAN STUDIES (AFRAM) PROGRAMS AND COURSES

### PROGRAMS

### PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Major Elective Courses</strong></td>
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<tr>
<td><strong>Group A: Family and Society</strong></td>
<td>Select two courses for a minimum of 6 units from the following:</td>
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<tr>
<td>AFRAM 5</td>
<td>The African American Family in the United States</td>
<td>3</td>
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<tr>
<td>AFRAM 8</td>
<td>African-American Politics</td>
<td>3 - 4</td>
</tr>
<tr>
<td>AFRAM 10</td>
<td>Sociology of African-Americans</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 12</td>
<td>Psychology of African-Americans</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 14A</td>
<td>Social Psychology of African American Male/Female Relationships</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 14B</td>
<td>Social Psychology of African American Male/Female Relationships</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 16</td>
<td>The Prison Industrial Complex: African American Incarceration</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 19</td>
<td>Racism in the United States</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 38</td>
<td>Environmental Racism and Justice</td>
<td>3</td>
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<tr>
<td><strong>Group B: History and Economics</strong></td>
<td>Select two courses for a minimum of 6 units from the following:</td>
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<tr>
<td>AFRAM 4</td>
<td>The Black Panther Party: Strategies on Organizing the People</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 30</td>
<td>African-American History: Africa to 1865</td>
<td>3</td>
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<tr>
<td>AFRAM 31</td>
<td>African-American History: 1865-1945</td>
<td>3</td>
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<tr>
<td>AFRAM 32</td>
<td>African-American History: 1945 to Present</td>
<td>3 - 4</td>
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<tr>
<td><strong>Group C: Africa and the Diaspora</strong></td>
<td>Select one course for 3 units from the following:</td>
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<tr>
<td>AFRAM 25</td>
<td>Classical African Civilizations</td>
<td>3</td>
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<tr>
<td>AFRAM 27</td>
<td>Afro-Caribbean History, Politics, and Culture</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 3</td>
<td>Ghana: Pan African Thought and the Struggle for Africa's Liberation</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 18</td>
<td>African Heritage of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>M/LAT 32</td>
<td>African Heritage of Latin America</td>
<td>3</td>
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<tr>
<td><strong>Group D: Culture and Creativity</strong></td>
<td>Select two courses for 6 units from the following:</td>
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<tr>
<td>AFRAM 33</td>
<td>The Roots of African-American Culture</td>
<td>3</td>
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<tr>
<td>AFRAM 39</td>
<td>Black World Films</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 41</td>
<td>African-American Writers (Fiction)</td>
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<tr>
<td>AFRAM 42</td>
<td>African-American Writers (Non-Fiction)</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 43</td>
<td>African-American Writers (Poetry)</td>
<td>3</td>
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<tr>
<td>AFRAM 45</td>
<td>Religion and the African-American Church in America</td>
<td>3</td>
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</table>

**Major Requirements**: 21-23

**Total Units**: 60

*Note:* To qualify for the African American Studies Associate in Arts degree, students must satisfactorily complete the major requirements specified above and the local AA/AS general education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS general education requirements.
# AFRICAN-AMERICAN STUDIES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Hours</th>
<th>Lecture</th>
<th>Acceptable for credit:</th>
<th>Description</th>
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<tbody>
<tr>
<td>AFRAM 2</td>
<td>BLACK ECONOMICS</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>CSU, UC</td>
<td>Concentration on those areas of the U.S. economy that affect African Americans the most: Economic contributions of slave labor; the connection between race, gender and wages, Black entrepreneurs, philosophies of economic empowerment, globalization, and a critical examination of capitalism and socialism from an African-centered perspective. 2203.00 AA/AS area 2, 5; CSU area D; IGETC area 4B, 4C</td>
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<tr>
<td>AFRAM 3</td>
<td>GHANA: PAN AFRICAN THOUGHT AND THE STRUGGLE FOR AFRICA’S LIBERATION</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>CSU, UC</td>
<td>Study of Pan African thought and world-wide African unity: Pan African ideas and movements with a focus on Kwame Nkrumah and Ghana’s independence; particular attention on the history, culture, and current conditions of the people of Ghana. 2203.00 AA/AS area 2; CSU area D; IGETC area 4G</td>
</tr>
<tr>
<td>AFRAM 4</td>
<td>THE BLACK PANTHER PARTY: STRATEGIES ON ORGANIZING THE PEOPLE</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>CSU</td>
<td>In-depth examination of the Black Panther Party: Origins, philosophy, leaders, organizing strategies, community programs, FBI surveillance, and long-term impact. 2203.00 AA/AS area 2, 5; CSU area D</td>
</tr>
<tr>
<td>AFRAM 5</td>
<td>THE AFRICAN AMERICAN FAMILY IN THE UNITED STATES</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>CSU, UC</td>
<td>History related to the formation of the black family: From slavery to the current debates about the structure of black families. Examination of effects of larger demographic, political and social changes on African American families. 2203.00 AA/AS area 2, 5; CSU area D; IGETC area 4C</td>
</tr>
<tr>
<td>AFRAM 8</td>
<td>AFRICAN-AMERICAN POLITICS</td>
<td>3-4</td>
<td>3-4</td>
<td>3-4</td>
<td>CSU, UC</td>
<td>Analysis and understanding of major trends and developments in the politics of African-Americans: Emphasis on African-American politicians within the two-party system. 2203.00 AA/AS area 2, 5; CSU area D; IGETC area 4C</td>
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<tr>
<td>AFRAM 10</td>
<td>SOCIOLOGY OF AFRICAN-AMERICANS</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>CSU, UC</td>
<td>Sociological analysis of African-American society in the United States: Political, economic, religious, and judicial systems as they affect African-Americans; emphasis on recent African-American socio-political movements. 2203.00 AA/AS area 2, 5; CSU area D; IGETC area 4C</td>
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<tr>
<td>AFRAM 11</td>
<td>PERCEPTIONS OF THE AFRICAN AMERICAN MALE IN AMERICA</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>CSU, UC</td>
<td>The African-American male in the history of the United States: Roles in sports, economics, entertainment, military, politics and family structure. 2203.00 AA/AS area 2, 5; CSU area D; IGETC area 4</td>
</tr>
<tr>
<td>AFRAM 12</td>
<td>PSYCHOLOGY OF AFRICAN-AMERICANS</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>CSU</td>
<td>Principles of psychology related to African American racial identity: Examination of mental health services; coping strategies; African centered theories of black psychology; and the impact of race, class and gender upon psychological states of being. 2203.00 AA/AS area 2, 5; CSU area D; IGETC area 4C</td>
</tr>
<tr>
<td>AFRAM 13</td>
<td>ETHNIC PERCEPTIONS IN THE MASS MEDIA</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>CSU, UC</td>
<td>Role of mass media in perceptions of race and culture: Social and psychological development of ethnic perceptions. 2203.00 AA/AS area 2, 5; CSU area D; IGETC area 4C</td>
</tr>
<tr>
<td>AFRAM 14A</td>
<td>SOCIAL PSYCHOLOGY OF AFRICAN-AMERICAN MALE/FEMALE RELATIONSHIPS</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>CSU</td>
<td>Exploring the dynamics of African American male-female relationships: Self-actualization, handling conflict in relationships, building a foundation for healthy relationships. 2203.00 AA/AS area 2, 5; CSU area D; IGETC area 4C</td>
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Merritt College Catalog 2019-2020
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Lecture Type</th>
<th>Acceptable for Credit</th>
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<tbody>
<tr>
<td>AFRAM 14B</td>
<td>SOCIAL PSYCHOLOGY OF AFRICAN-AMERICAN MALE/FEMALE RELATIONSHIPS</td>
<td>3</td>
<td>Lecture (GR)</td>
<td>CSU, UC</td>
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<tr>
<td>AFRAM 16</td>
<td>THE PRISON INDUSTRIAL COMPLEX: AFRICAN AMERICAN INCARCERATION</td>
<td>3</td>
<td>Lecture (GR or P/NP)</td>
<td>CSU, UC</td>
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<tr>
<td>AFRAM 18</td>
<td>AFRICAN HERITAGE OF LATIN AMERICA</td>
<td>3</td>
<td>Lecture (GR or P/NP)</td>
<td>CSU, UC</td>
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<tr>
<td>AFRAM 19</td>
<td>RACISM IN THE UNITED STATES</td>
<td>3</td>
<td>Lecture (GR or P/NP)</td>
<td>CSU, UC</td>
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<tr>
<td>AFRAM 23</td>
<td>PERCEPTIONS OF AFRICAN-AMERICAN WOMEN</td>
<td>3</td>
<td>Lecture (GR or P/NP)</td>
<td>CSU, UC</td>
</tr>
</tbody>
</table>

**AFRAM 25**

CLASSICAL AFRICAN CIVILIZATIONS
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

History, development, and contributions of classical African civilizations of the Nile River Valley (Kush, Nubia, Egypt): Examination of the scientific contributions, social and political structures, religious philosophies, artistic techniques, and technological innovations that these civilizations have made to world culture and history from 4,000 BCE to 30 BCE. 2203.00
AA/AS area 2, 3; CSU area C2, D; IGETC area 3B, 4G

**AFRAM 27**

AFRO-CARIBBEAN HISTORY, POLITICS AND CULTURE
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC

Historical, economic, and cultural development of the Caribbean from Native American occupation and colonization by European nations to the struggle for sovereignty: Transformation of the region by the introduction of large-scale production in agriculture and the arrival of enslaved Africans; impact of African culture and resistance to slavery and European domination by blacks in the region; different paths to economic development in the post-emancipation years; and the role of U.S. foreign policy in the twentieth century. 2203.00
AA/AS area 2, 3; CSU area C2, D; IGETC area 3B, 4G

**AFRAM 30**

AFRICAN-AMERICAN HISTORY: AFRICA TO 1865
3 units, 3 hours lecture (GR or P/NP)
Also offered as HIST 50. Not open for credit to students who have completed or are currently enrolled in HIST 50.
Acceptable for credit: CSU, UC

Survey of the experience of African-Americans from their origins to the end of the Civil War: Emphasis on political, social and cultural developments, and change. 2203.00
AA/AS area 2, 5; CSU area C2, D; CSU American Institutions, Group 1; IGETC area 3B, 4C

**AFRAM 31**

AFRICAN-AMERICAN HISTORY: 1865-1945
3 units, 3 hours lecture (GR or P/NP)
Also offered as HIST 51. Not open for credit to students who have completed or are currently enrolled in HIST 51.
Acceptable for credit: CSU, UC

Survey of the experience of African-Americans from their origins to the end of the Civil War: Emphasis on political, social and cultural developments, and change. 2203.00
AA/AS area 2, 5; CSU area C2, D; CSU American Institutions, Group 1; IGETC area 3B, 4C
AFRAM 32
AFRICAN-AMERICAN HISTORY: 1945 TO PRESENT
3-4 units, 3-4 hours lecture (GR or P/NP)
Also offered as HIST 52. Not open for credit to students who have completed or are currently enrolled in HIST 52.
Acceptable for credit: CSU, UC

Survey of the experience of African-Americans in the United States from 1945 to the present: Emphasis on the Civil Rights movement and other contemporary issues. 2203.00
AA/AS area 2, 5; CSU area C2, D; IGETC area 3B, 4C

AFRAM 33
THE ROOTS OF AFRICAN-AMERICAN CULTURE
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC

Historical dimensions of the African-American experience: Emphasis on formation of a distinctive African-American culture. 2203.00
AA/AS area 2, 5; CSU area D; IGETC area 4C

AFRAM 38
ENVIRONMENTAL RACISM AND JUSTICE
3 units, 3 hours lecture (GR or P/NP)
Also offered as ENVMT 12. Not open for credit to student who have completed or are currently enrolled in ENVMT 12.
Acceptable for credit: CSU, UC

American and global environmental policy and ethics concentrating on their impact on minorities and people of color: Unequal environmental protection; the politics of pollution, race and waste dumping; and the intersection of the Civil Rights and Environmental Justice Movements with an emphasis on civil rights, social justice, white supremacy, and the impact of the Environmental Movement on people of color. 2203.00
AA/AS area 2, 5; CSU area D; IGETC area 4C, 4G; UCB American Cultures 2

AFRAM 39
BLACK WORLD FILMS
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Examination of the image of African Americans in Hollywood films past and present: African-centered analysis for evaluating movies, which expands our understanding of Black film makers in Africa and the Western world including the Caribbean and South America. 2203.00
AA/AS area 3; CSU area C2; IGETC area 3B

AFRAM 41
AFRICAN-AMERICAN WRITERS (FICTION)
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC

African-American fiction writers: Emphasis on the African-American novelist and playwright; analysis of the development of each genre and the themes used. 2203.00
AA/AS area 3, 4d, 5; CSU area C2; IGETC area 3B

AFRAM 42
AFRICAN-AMERICAN WRITERS (NON-FICTION)
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC

African-American nonfiction writers: Emphasis on essays, autobiographies, and biographies. 2203.00
AA/AS area 3, 4d, 5; CSU area C2; IGETC area 3B

AFRAM 43
AFRICAN-AMERICAN WRITERS (POETRY)
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC

African-American poets (past and present): Emphasis on interpretation of ideas in poetry from the African-American perspective; creative writing required. 2203.00
AA/AS area 3, 4d, 5; CSU area C2; IGETC area 3B

AFRAM 45
RELIGION AND THE AFRICAN-AMERICAN CHURCH IN AMERICA
3 units, 3 hours lecture (GR)
Also offered as HUMAN 45. Not open for credit to students who have completed or are currently enrolled in HUMAN 45.
Acceptable for credit: CSU, UC

Survey and analysis of the role of the church in the African-American community: Impact on social, political, economic, and psychological development of African-Americans. 2203.00
AA/AS area 2, 3, 5; CSU area D; IGETC area 4C

AFRAM 49
INDEPENDENT STUDY IN AFRICAN-AMERICAN STUDIES
.5-5 units (GR) Acceptable for credit: CSU

See section on Independent Study. 2203.00
Merritt's Anthropology programs teach students to think appreciatively and globally about diversity in human cultures, human history and prehistory, and human biology to foster cross-cultural understanding and to develop critical world view, which enables students to succeed in higher levels of education and in any profession. Students attain knowledge, master skills, and develop the appreciation, attitudes and values needed to succeed and participate responsibly in a democratic society and global economy.

Anthropology is valuable for people seeking careers in business, private and non-profit sectors, education, community service, criminal justice, forensics and law, and government. An anthropology degree enhances studies in healthcare and medicine (epidemiology, public health, nursing, pre-medicine for a career as a doctor), museology, international development, city planning, linguistics, psychology, ecology, archaeology and cultural resource management.

Merritt College offers the following degree programs in Anthropology:

ANTHROPOLOGY
- ASSOCIATE IN ARTS IN ANTHROPOLOGY FOR TRANSFER (AA-T) DEGREE
- ASSOCIATE IN ARTS (AA) DEGREE
DESCRIPTION
The Associate of Arts in Anthropology for Transfer (AA-T) degree is intended to meet the lower division requirements for anthropology majors or majors that have been deemed similar in the California State University (CSU) system. A study of anthropology at Merritt College is intended to provide students with knowledge and appreciation of the diversity of cultural and biological contributions to human adaptations, in the past and in the present.

Successful completion of the degree affords students specific guarantees for transfer to the CSU system such as admission to a CSU with junior status, priority admission to their local CSU campus and to a program or major in anthropology or similar major. Students transferring to a CSU campus will be required to complete no more than 60 semester or 90 quarter units after transfer to earn a bachelor's degree.

To qualify for the Associate of Arts in Anthropology for Transfer (AA-T) degree, students are required to complete 60 semester units that are eligible for transfer to a California State University, including both of the following:

1. The California State University General Education – Breadth Requirements (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC)
2. 19-22 semester units with a grade of "C" or better, or "P" if the course is taken on a "Pass/No-Pass" basis, in the major and an overall minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework. (Some universities may have limits on the number of Pass/No-Pass units they will accept for transfer. See a counselor for more information.)

See the Transfer to Four-Year Colleges and Universities section of this catalog for more information on AA-T overall requirements and CSU GE-Breadth or IGETC.

NOTE: Students should see a counselor at least once each semester to plan for their educational goal(s).

CAREER OPPORTUNITIES
Anthropology is valuable for people seeking careers in business, private and non-profit sectors, education, community service, criminal justice (and with further study, forensics and law), and government. With added academic study and degrees, and anthropology degree is a useful for study in healthcare and medicine (epidemiology, public health, nursing, pre-medicine for a career as a doctor), museology, international development, city planning, linguistics, psychology, ecology, and archaeology and cultural resource management.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Analyze human biological and cultural adaptations, including the different factors that have affected and continue to affect humans biologically and culturally.
2. Analyze the factors that cause modern human biological and cultural diversity and demonstrate an appreciation for, and sensitivity to, human biological and cultural diversity.
3. Understand and apply the scientific and methodological approaches necessary for conducting research in the interdisciplinary fields of anthropology.
## PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
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<tbody>
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<td><strong>Major Core Courses</strong></td>
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<tr>
<td>ANTHR 1</td>
<td>Introduction to Physical Anthropology</td>
<td>3</td>
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<tr>
<td>ANTHR 2</td>
<td>Introduction to Archeology and Prehistory</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR 3</td>
<td>Introduction to Social and Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 13</td>
<td>Introduction to Statistics</td>
<td>4</td>
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<tr>
<td><strong>Major Elective Courses</strong></td>
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<tr>
<td>Group A</td>
<td>Select two courses for 6 units from the following:</td>
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<td>BIOL 2</td>
<td>Human Anatomy</td>
<td>5</td>
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<tr>
<td>GEOL 1</td>
<td>Introduction to Physical Geology</td>
<td>4</td>
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<tr>
<td>PSYCH 28</td>
<td>Introduction to Research Methods in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 120</td>
<td>Introduction to Research Methods</td>
<td>3</td>
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<tr>
<td>Group B</td>
<td>Select one course from the following or another course from the above list:</td>
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<tr>
<td>ANTHR 5</td>
<td>American Indian History and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR 7</td>
<td>Magic, Religion and Witchcraft</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR 16</td>
<td>Sex and Society</td>
<td>3</td>
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<tr>
<td><strong>Major Requirements</strong></td>
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<td>19-22</td>
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<tr>
<td><strong>General Education (CSU-GE or IGETC)</strong></td>
<td></td>
<td>37-39</td>
</tr>
<tr>
<td><strong>Electives (CSU transferable)</strong></td>
<td></td>
<td>12-20</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td></td>
<td>60</td>
</tr>
</tbody>
</table>
**ANTHROPOLOGY ASSOCIATE IN ARTS (AA) DEGREE**

**DESCRIPTION**
The Associate in Arts degree in Anthropology will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements.

**PROGRAM REQUIREMENTS**

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTHR 1</td>
<td>Introduction to Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR 1L</td>
<td>Physical Anthropology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ANTHR 2</td>
<td>Introduction to Archeology and Prehistory</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR 3</td>
<td>Introduction to Social and Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR 5</td>
<td>American Indian History and Culture</td>
<td>3</td>
</tr>
<tr>
<td>MATH 13</td>
<td>Introduction to Statistics</td>
<td>4</td>
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<tr>
<td><strong>Major Elective Courses</strong></td>
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<td></td>
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<td>Select two course for 6 units from the following:</td>
<td></td>
<td></td>
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<tr>
<td>ANTHR 4</td>
<td>Ancient Civilizations: Aztec, Inca, Maya</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR 7</td>
<td>Magic, Religion and Witchcraft</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR 13</td>
<td>Urban Anthropology</td>
<td>3</td>
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<tr>
<td>ANTHR 16</td>
<td>Sex and Society</td>
<td>3</td>
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<tr>
<td><strong>Strongly Recommended</strong></td>
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<tr>
<td>BIOL 10</td>
<td>Introduction to Biology</td>
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<tr>
<td>CIS 1</td>
<td>Introduction to Computer Information Systems</td>
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<td>or</td>
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<tr>
<td>CIS 5</td>
<td>Introduction to Computer Science</td>
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<td><strong>Major Requirements</strong></td>
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<tr>
<td><strong>Total Units</strong></td>
<td><strong>60</strong></td>
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</tbody>
</table>

**Note:** To qualify for the Anthropology Associate in Arts degree, students must satisfactorily complete the major requirements specified above and the local AA/AS general education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS general education requirements.
ANTHROPOLOGY

ANTHR 1
INTRODUCTION TO PHYSICAL ANTHROPOLOGY
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Study of human beings and their ancestors: Emphasis on relationships to other mammals, physical record of evolution, and processes responsible for evolution. 2202.00
AA/AS area 1; CSU area B2, B3 (with ANTHR 1L satisfies lab requirement); IGETC area 5B, 5C (with ANTHR 1L satisfies lab requirement)

ANTHR 1L
PHYSICAL ANTHROPOLOGY LABORATORY
1 unit, 4 hours laboratory (GR or P/NP)
Corequisite: ANTHR 1
Acceptable for credit: CSU, UC
An adjunct laboratory to Anthropology 1: Work with replicas of bones and visits to museums and zoos to study primate behavior and hominid evolution. 2202.00
CSU area B3 (with ANTHR 1); IGETC area 5C (with ANTHR 1)

ANTHR 2
INTRODUCTION TO ARCHEOLOGY AND PREHISTORY
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
World prehistory as reconstructed from the archeological and physical evidences of cultural beginnings through the early agricultural civilizations of Africa, America and Euro-Asia: Archeological methods, techniques and problems. 2202.20
AA/AS area 2; CSU area D; IGETC area 4A
C-ID: ANTH 150

ANTHR 3
INTRODUCTION TO SOCIAL AND CULTURAL ANTHROPOLOGY
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Cross-cultural analysis of social and cultural factors of human behavior in the recent past and present. 2202.00
AA/AS area 2; CSU area D; IGETC area 4A

ANTHR 4
ANCIENT CIVILIZATIONS: AZTEC, INCA, MAYA
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Study of Meso-American and ancient South American peoples and cultures through the methods and theories of anthropological archeology. 2202.00
AA/AS area 2; CSU area D; IGETC area 4A

ANTHR 5
AMERICAN INDIAN HISTORY AND CULTURE
3 units, 3 hours lecture (GR or P/NP)
Also offered as HIST 1. Not open for credit to students who have completed or are currently enrolled in HIST 1.
Acceptable for credit: CSU, UC
Survey of North American Indians: Traditional ways of life and history both before and after contact with Europeans; current trends in Native American socio-economic and cultural development, and recent political and social movements. 2202.00
AA/AS area 2, 5; CSU area D; IGETC area 4A

ANTHR 7
MAGIC, RELIGION AND WITCHCRAFT
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Comparative study of religion, magic, and supernatural beliefs and practices: Dynamics and function of religion and magic in human societies. 2202.00
AA/AS area 2, 3; CSU area D; IGETC area 4A

ANTHR 8
ANTHROPOLOGY THROUGH FILM: ETHNOGRAPHIC STUDIES
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Analysis of a wide range of cultures, including American, and filmed representations of them: Focuses strongly on issues of race, gender, age and ethnicity. 2202.00

ANTHR 13
URBAN ANTHROPOLOGY
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Study of communities in urban settings and a cross-cultural approach to urban life styles: Rise and fall of great urban centers in Asia, Africa, Europe, and the Americas. 2202.00
AA/AS area 2; CSU area D; IGETC area 4A

ANTHR 16
SEX AND SOCIETY
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Cross-cultural approach stressing the biological, cultural, social, and legal aspects of human sexuality: Biological evolution, sexual preferences, abortion, pornography, prostitution, and expanded family forms as they relate to changing laws, customs, and emergent political groups. 2202.00
AA/AS area 2; CSU area D; IGETC area 4A

ANTHR 49
INDEPENDENT STUDY IN ANTHROPOLOGY
.5-5 units (GR or P/NP)
Acceptable for credit: CSU
See section on Independent Study. 2202.00
Creativity and the artistic impulse are intrinsically human qualities that, when explored and expressed, bring a deeply rewarding sense of satisfaction, appreciation, and connection. The shared creative process and study of a class in art history, drawing, painting, or ceramics fosters both awareness of art and culture, as well as individual, self-expression. Our programs and classes offer opportunities to learn and experiment creatively in a safe, inclusive, and accessible environment.

In addition to generating and nurturing the creative element in human life, the Art Department offers many classes that transfer to University of California and California State University systems as electives, and beginning studio classes that transfer to satisfy Fine Arts and Art History major requirements. Art history classes also satisfy the Humanities General Education requirement.

**Merritt College offers the following certificate programs in Art:**

**ART FOUNDATION**
- CERTIFICATE OF PROFICIENCY

**BOTANICAL ILLUSTRATION**
- CERTIFICATE OF PROFICIENCY

**CERAMICS**
- CERTIFICATE OF PROFICIENCY
ART FOUNDATION
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Art Foundation Certificate of Proficiency prepares students to enter various vocational programs and/or fields of study that require knowledge of basic drawing, painting, color and 2-D composition or design skills.

CAREER OPPORTUNITIES
The Art Foundation Certificate of Proficiency prepares students to advance in vocational programs, such as Graphic Design, Illustration, Fashion Design, Industrial Design, Interior Design, Media Arts, Video, Architecture, Arts Education, and Childhood Education. These courses also prepare students to transfer to a 4-year college to major in Fine Art or Art History.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Write a visual analysis/critique of their own and other's art on both form and content, and its relation to a historical and global context.
2. Produce artworks reflecting an understanding of basic components of design and composition such as line, shape, value, texture, space, color, scale, proportion, balance, mood, movement, mass and emphasis.
3. Assemble a portfolio of strong works of art that demonstrate skill and understanding of techniques in various media.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Major Core Courses</strong></td>
<td></td>
</tr>
<tr>
<td>ART 20</td>
<td>Beginning Drawing and Composition</td>
<td>3</td>
</tr>
<tr>
<td>ART 21</td>
<td>Continuing Drawing and Composition</td>
<td>2</td>
</tr>
<tr>
<td>ART 25</td>
<td>Beginning Figure Drawing and Composition</td>
<td>2</td>
</tr>
<tr>
<td>ART 46</td>
<td>2-D Visual Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 50</td>
<td>Beginning Painting</td>
<td>3</td>
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<td></td>
<td><strong>Major Elective Courses</strong></td>
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<tr>
<td></td>
<td>Select one course for 2-3 units from the following:</td>
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<tr>
<td>ART 22</td>
<td>Intermediate Drawing and Composition</td>
<td>3</td>
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<tr>
<td>ART 23</td>
<td>Advanced Drawing and Composition</td>
<td>3</td>
</tr>
<tr>
<td>ART 26</td>
<td>Continuing Figure Drawing and Composition</td>
<td>2</td>
</tr>
<tr>
<td>ART 27</td>
<td>Intermediate Figure Drawing and Composition</td>
<td>3</td>
</tr>
<tr>
<td>ART 28</td>
<td>Advanced Figure Drawing and Composition</td>
<td>3</td>
</tr>
<tr>
<td>ART 35</td>
<td>Beginning Portraiture</td>
<td>2</td>
</tr>
<tr>
<td>ART 36</td>
<td>Continuing Portraiture</td>
<td>2</td>
</tr>
<tr>
<td>ART 40</td>
<td>Color Dynamics: The Interaction of Color</td>
<td>3</td>
</tr>
<tr>
<td>ART 51</td>
<td>Continuing Painting</td>
<td>2</td>
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<tr>
<td>ART 52</td>
<td>Intermediate Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 53</td>
<td>Advanced Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 60</td>
<td>Beginning Painting: Watercolor</td>
<td>2</td>
</tr>
<tr>
<td>ART 61</td>
<td>Continuing Painting: Watercolor</td>
<td>2</td>
</tr>
<tr>
<td>ART 62</td>
<td>Intermediate Painting: Watercolor</td>
<td>3</td>
</tr>
<tr>
<td>ART 63</td>
<td>Advanced Painting: Watercolor</td>
<td>3</td>
</tr>
<tr>
<td>ART 66</td>
<td>Beginning Pastel Drawing</td>
<td>2</td>
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<tr>
<td>ART 67</td>
<td>Continuing Pastel Drawing</td>
<td>2</td>
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<tr>
<td>ART 166</td>
<td>Beginning Botanical Drawing</td>
<td>2</td>
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</tbody>
</table>

**Total Units:** 15-16
PROGRAMS

BOTANICAL ILLUSTRATION
CERTIFICATE OF PROFICIENCY

DESCRIPTION
A Certificate of Proficiency in Botanical Illustration provides students with the skills and portfolio to apply to advanced scientific illustration programs, or the basis for a career as a botanical artist. It is also an attractive resume enhancement for students in other related programs, such as landscape design, botany and biology.

CAREER OPPORTUNITIES
A Certificate of Proficiency in Botanical Illustration enables students to develop the skills and portfolio to apply to advanced scientific illustration programs, or pursue a career as a botanical artist. It also provides a resume enhancement for students in other programs, such as landscape design, botany and biology, and environmental studies.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Create visually accurate renderings of diverse plant materials, demonstrating technical competence in both drawing and watercolor techniques.
2. Recognize, identify and illustrate basic plant structures relating to stems and their modifications, roots and their modifications, leaves and their modifications, flowers and their modifications, floral inflorescences and fruits.
3. Knowledge of the history of Botanical Illustration, contemporary Botanical artists and development of personal illustration style.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Major Core Courses</strong></td>
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<tr>
<td>ART 60</td>
<td>Beginning Painting: Watercolor</td>
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</tr>
<tr>
<td>ART 61</td>
<td>Continuing Painting: Watercolor</td>
<td>2</td>
</tr>
<tr>
<td>ART 166</td>
<td>Beginning Botanical Drawing</td>
<td>2</td>
</tr>
<tr>
<td>ART 167</td>
<td>Continuing Botanical Drawing</td>
<td>2</td>
</tr>
<tr>
<td>ART 168</td>
<td>Advanced Botanical Drawing</td>
<td>2</td>
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<tr>
<td>ART 169</td>
<td>Special Projects Botanical Drawing</td>
<td>2</td>
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<tr>
<td>LANHT 23</td>
<td>Plant Terminology</td>
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<td><strong>Major Elective Courses</strong></td>
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<tr>
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<td>Select one plant ID course from the following:</td>
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<tr>
<td>LAHNT 2</td>
<td>Plant Materials: Tree ID and Culture with Lab (Day)</td>
<td>3</td>
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<tr>
<td>LAHNT 2E</td>
<td>Plant Materials: Tree ID and Culture (Evening)</td>
<td>3</td>
</tr>
<tr>
<td>LAHNT 3</td>
<td>Plant Materials: Ground Covers and Vines ID and Culture with Lab (Day)</td>
<td>3</td>
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<tr>
<td>LAHNT 3E</td>
<td>Plant Materials: Ground Covers and Vines ID and Culture (Evening)</td>
<td>3</td>
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<tr>
<td>LAHNT 4</td>
<td>Plant Materials: Shrubs ID and Culture with Lab (Day)</td>
<td>3</td>
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<td>LAHNT 4E</td>
<td>Plant Materials: Shrubs ID and Culture (Evening)</td>
<td>3</td>
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<tr>
<td>LAHNT 5A</td>
<td>Plant Materials: Fall Native Plant ID and Culture with Lab (Day)</td>
<td>3</td>
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<tr>
<td>LAHNT 5B</td>
<td>Plant Materials: Spring Native Plant ID and Culture with Lab (Day)</td>
<td>3</td>
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<tr>
<td>LAHNT 5EA</td>
<td>Plant Materials: Fall Native Plant ID and Culture (Evening)</td>
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<td>LAHNT 5EB</td>
<td>Plant Materials: Spring Native Plant ID and Culture (Evening)</td>
<td>3</td>
</tr>
<tr>
<td>LAHNT 6A</td>
<td>Plant Materials: Fall Herbaceous Plant ID and Culture with Lab (Day)</td>
<td>3</td>
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<tr>
<td>LAHNT 6B</td>
<td>Plant Materials: Spring Herbaceous Plant ID and Culture with Lab (Day)</td>
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<tr>
<td>LAHNT 6EA</td>
<td>Plant Materials: Fall Herbaceous Plant ID and Culture (Evening)</td>
<td>3</td>
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<td>LAHNT 6EB</td>
<td>Plant Materials: Spring Herbaceous Plant ID and Culture (Evening)</td>
<td>3</td>
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<tr>
<td>LAHNT 7</td>
<td>Plant Materials: Conifer ID and Culture with Lab (Day)</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 7E</td>
<td>Plant Materials: Conifer ID and Culture (Evening)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units 17.5**
CERAMICS
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Merritt College Ceramics Certificate of Proficiency program is a comprehensive preparation for employment in the field of ceramic arts. Introductory through advanced coursework allows students to build and refine broad-based skills and concepts from design principles to portfolio development. Merritt College Ceramics students have exhibited art work in gallery and museum venues, been featured in national publications, catalogs and books, and lectured at conferences and symposia. Upon completion of this program, students have obtained jobs in the profession including college ceramics technician, community arts center instructor, assistant to noted Bay Area artists, artists with public art commissions, ceramic supply salesperson, gallery representative, and studio artists. A Certificate of Proficiency in Ceramics will be awarded upon satisfactory completion of course requirements.

CAREER OPPORTUNITIES
The Ceramics Certificate of Proficiency offers a broad range of career opportunities. Upon completion students will have the skills to market their work at art fairs, work in galleries and museum shops, teach ceramics at community centers, and work in sales positions in ceramic supply companies.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Successfully and consistently create ceramic objects that demand skillful control of the medium and processes to build a unique body of work for portfolio presentation.
2. Demonstrate knowledge of history and concepts of both ancient and contemporary clay art practice.
3. Demonstrate working knowledge of clay bodies, building techniques, finishing and glazing, kiln firings and alternative firing techniques.

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ART 9</td>
<td>History of World Ceramics: Past and Present</td>
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<tr>
<td>ART 80</td>
<td>Beginning Ceramics</td>
<td>2-3</td>
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<tr>
<td>ART 82</td>
<td>Intermediate Ceramics</td>
<td>3</td>
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<tr>
<td>ART 83</td>
<td>Advanced Ceramics</td>
<td>3</td>
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<tr>
<td>ART 88</td>
<td>Special Projects: Ceramic Sculpture</td>
<td>2</td>
</tr>
<tr>
<td>ART 187</td>
<td>Beginning Ceramic Sculpture</td>
<td>3</td>
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<tr>
<td><strong>Total Units</strong></td>
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<td>16-17</td>
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</table>
ART

ART 1
INTRODUCTION TO ART HISTORY
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Introduction to art purposes, principles and forms: Basic understanding of stylistic development and methods of analysis with emphasis on twentieth-century art. 1001.00
AA/AS area 3; CSU area C1; IGETC area 3A

ART 3
HISTORY OF WESTERN ART: RENAISSANCE TO CONTEMPORARY ART
3 units, 3 hours lecture (GR or P/NP)
Recommended Preparation: ENGL 1A
Acceptable for credit: CSU

Major visual art forms of Western cultures from the Renaissance period to Contemporary period: Survey of the foremost artists and their works. 1001.00

ART 4
HISTORY OF MODERN ART (1800 TO PRESENT)
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Major visual art forms and movements of the nineteenth and twentieth centuries: Concentration on the foremost painters, sculptors, and architects of the modern period and their works. 1001.00
AA/AS area 3; CSU area C1; IGETC area 3A

ART 7
HISTORY OF AFRICAN-AMERICAN ART (PAST TO PRESENT)
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Development of the African-American visual artist in the Americas. Contributions of selected major African-American artists and contemporary trends. 1002.10
AA/AS area 3, 5; CSU area C1; IGETC area 3A

ART 9
HISTORY OF WORLD CERAMICS: PAST AND PRESENT
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Introduction to the history of world ceramics: Traces the high points of ceramics to include sculpture, the figure, and the ceramic vessel of different cultures, past to present; includes visits to private and public collections. 1001.00
AA/AS area 3; CSU area C1; IGETC area 3A

ART 12
WORLD ART: VISUAL AND HISTORICAL ANALYSIS
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Introduction to language of visual analysis in world art: Relation of formal art elements to their meaning in various world cultures (European, North American, Asian, African, and Pacific); identification of visual tools used throughout every culture and study of original artworks in the Oakland Museum of California collection. 1001.00
AA/AS area 3; CSU area C1; IGETC area 3A

ART 15
CALIFORNIA ART HISTORY, 1850-2000
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Survey of California art of the past 150 years, charting its development and its complex blending of race, ethnicity, and aesthetics: Contributions of Asian-American, European-American, Chicano/Latino-American, Native-American and African-American artists; use of artistic heritage in framing identity; the cross-influences of different artistic practices; and role of art in expressing and creating cultural values. 1001.00
AA/AS area 3, 5; CSU area C1; IGETC area 3A; UCB American Cultures

ART 20
BEGINNING DRAWING AND COMPOSITION
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Freehand drawing with various media: Drawing techniques and fundamentals of composition applied to subject matter including an introduction to perspective. 1002.10

ART 21
CONTINUING DRAWING AND COMPOSITION
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Special problems of composition and drawing techniques in relation to drawing as a fine art: Study of form in black and white and in color. 1002.10

ART 22
INTERMEDIATE DRAWING AND COMPOSITION
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Exploration of artistic concepts, styles, and creative expression related to intermediate-level drawing, complex subject matter and concepts using a variety of drawing mediums, techniques, and methodologies: Foundations of drawing skills to develop personalized approaches to content and materials in exercises covering multiple historical and contemporary approaches to drawing. 1002.10
C-ID: ARTS 205
| COURSES |
|-----------------|-----------------|
| **ART 23** ADVANCED DRAWING AND COMPOSITION |
| 3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP) |
| Acceptable for credit: CSU, UC |
| Advanced drawing techniques applied to selected subjects and goals. 1002.10 |

| **ART 24** SPECIAL PROJECTS: DRAWING |
| 2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP) |
| Acceptable for credit: CSU |
| Independent exploration and experimentation in special areas of drawing. 1002.10 |

| **ART 25** FUNDAMENTALS OF FIGURE DRAWING AND COMPOSITION |
| 2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP) |
| Acceptable for credit: CSU, UC |
| Understanding the figure from quick sketches to long careful studies of the live model: Fundamentals of anatomy, proportion, drawing techniques, and composition. 1002.10 |

| **ART 26** CONTINUING FIGURE DRAWING AND COMPOSITION |
| 2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP) |
| Acceptable for credit: CSU, UC |
| Continuing drawing from the live model: Introduction to more advanced problems. 1002.10 |

| **ART 27** INTERMEDIATE FIGURE DRAWING AND COMPOSITION |
| 3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP) |
| Recommended preparation: ART 137 |
| Acceptable for credit: CSU, UC |
| Continued development of knowledge and skills introduced in ART 137: Emphasis on expressive content of the figure developed through manipulation of line, form, value, composition, facial expression, pose, and anatomical proportions. 1002.10 |

| **ART 28** ADVANCED FIGURE DRAWING AND COMPOSITION |
| 3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP) |
| Acceptable for credit: CSU, UC |
| Advanced drawing from the live model: Emphasis on developing an individual style. 1002.10 |

| **ART 29** SPECIAL PROJECTS: FIGURE DRAWING |
| 2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP) |
| Acceptable for credit: CSU |
| Continued study and development of special projects in figure drawing from the live model. 1002.10 |

| **ART 35** BEGINNING PORTRAITURE |
| 2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP) |
| Acceptable for credit: CSU, UC |
| Drawing portraits from the live model: Emphasis on anatomy, proportion, and achieving a likeness. 1002.10 |

| **ART 36** CONTINUING PORTRAITURE |
| 2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP) |
| Acceptable for credit: CSU, UC |
| Drawing portraits from the live model: Emphasis on composition, position, clothing, and color. 1002.10 |

| **ART 39** SPECIAL PROJECTS: PORTRAITURE |
| 2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP) |
| Acceptable for credit: CSU |
| Development of an individual style and portfolio of consistent works suitable for an exhibition. 1002.10 |

| **ART 40** COLOR DYNAMICS: THE INTERACTION OF COLOR |
| 3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP) |
| Acceptable for credit: CSU, UC |
| Color interaction as developed by Josef Albers whose discoveries are widely used today in all the visual arts: Presentation of a series of studio problems designed to sharpen color perception, increase sensitivity to color relationships, and help the student discover a new kind of space, tension, rhythm, form, and harmony through interaction of color. 1002.10 |

| **ART 46** 2-D VISUAL DESIGN |
| 3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP) |
| Acceptable for credit: CSU, UC |
| Introduction to the concepts, applications, and historical references related to two-dimensional art and composition: Basic principles and elements of line, shape, texture, value, color and spatial illusion; development of a visual vocabulary for creative expression through lecture presentations, studio projects, problem solving, and written assignments. 1002.00 |
| C-ID: ARTS 100 |
COURSES

ART 47
3-D VISUAL DESIGN
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU

Introduction to the concepts, applications, and historical references related to three dimensional design and spatial composition: Elements and organizing principles of design as they apply to three dimensional space and form. Development of visual vocabulary for creative expression through lecture presentations and use of appropriate materials for non-representational three dimensional studio projects. 1002.00
C-ID: ARTS 101

ART 49
INDEPENDENT STUDY IN ART
.5-5 units (GR or P/NP)
Acceptable for credit: CSU

See section on Independent Study. 1002.00

ART 50
BEGINNING PAINTING
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Recommended preparation: ART 20
Acceptable for credit: CSU, UC

Emphasis on the basic techniques of oil or acrylic painting: Preparation and use of canvas and supports, color mixing, composition in a variety of styles, development of imaginative and objective images. 1002.10

ART 51
CONTINUING PAINTING
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Continuation of ART 50: Emphasis on composition using oils, acrylics, and mixed media; may include live models. 1002.10

ART 52
INTERMEDIATE PAINTING
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Continuation of ART 51: Emphasis on more independent and complex activities and projects. 1002.10

ART 53
ADVANCED PAINTING
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Continuation of ART 52: Emphasis on developing greater clarity in personal imagery and painting style; development of a professional portfolio. 1002.10

ART 54
SPECIAL PROJECTS: PAINTING
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU

Continued study and skill development with oil and acrylics: May include production of murals and other large-scale paintings as well as individual projects. 1002.10

ART 60
BEGINNING PAINTING: WATERCOLOR
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Fundamentals of washes, brushwork, color, and special effects: Transparent, wet-into-wet, and opaque techniques as applied to various subject matter. 1002.10

ART 61
CONTINUING PAINTING: WATERCOLOR
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Continued development of skills, techniques, and content in watercolor painting: Creative experimentation and individual expression in watercolor painting processes. 1002.10

ART 62
INTERMEDIATE PAINTING: WATERCOLOR
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Intermediate level development of skills, techniques, and content in watercolor painting: Creativity, composition, and individual expression through watercolor techniques emphasized; concentrated work in specific areas. 1002.10

ART 63
ADVANCED PAINTING: WATERCOLOR
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Advanced watercolor painting skills, techniques, and content: Individual goals designed by student with instructor with concentration on a series of paintings for possible exhibition or portfolio presentation. 1002.10

ART 64
SPECIAL PROJECTS: WATERCOLOR PAINTING
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU

Continued study and skill development in advanced watercolor projects. 1002.10
COURSES

ART 66
BEGINNING PASTEL DRAWING
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Beginning pastel drawing: Basic materials and techniques for using chalk pastels, working from a variety of subject matter including still life, landscape, and portraiture, and covering basic color theory and design considerations. 1002.10

ART 67
CONTINUING PASTEL DRAWING
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Continuation of ART 66: Exploration of more advanced chalk pastel techniques; includes considerations of composition and style. 1002.10

ART 68
SPECIAL PROJECTS: PASTEL DRAWING
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU

Continued study and skill development in advanced pastel projects: Development of a personal style in terms of technique, subject matter, and expressive content. 1002.10

ART 80
BEGINNING CERAMICS
2-3 units, 1-2 hours lecture, 3-4 hours laboratory (GR or P/NP)
Recommended preparation: ART 20
Acceptable for credit: CSU

Introduction to ceramics: Forming techniques, design, glazing, and firing processes. 1002.30

ART 81
CONTINUING CERAMICS
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Continuation of ART 80: Emphasis on design problems and skill development in forming, glazing, and firing processes. 1002.30

ART 82
INTERMEDIATE CERAMICS
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Continuation of ART 81: Emphasis on glaze formulation, firing, and further skill development in forming processes. 1002.30

ART 83
ADVANCED CERAMICS
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Continuation of ART 82: Emphasis on individual expression; experimentation in glazes, clay bodies, and kiln firing. 1002.30

ART 84
SPECIAL PROJECTS: CERAMICS
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU

Exploration and experimentation in special areas of ceramics. 1002.30

ART 86
SPECIAL PROJECTS: ALTERNATIVE FIRING TECHNIQUES
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Continued study and skill development in advanced alternative firing techniques: Using a variety of fuel sources and surface designs; multiple low-fire styles such as low-fire salt, pit firing, saggar firing and gas kilns; creating simple forms and surfaces that are appropriate to learning firing results. 1002.30

ART 88
SPECIAL PROJECTS: CERAMIC SCULPTURE
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: ART 187
Acceptable for credit: CSU, UC

Independent exploration and experimentation in the special area of ceramic sculpture. 1002.30

ART 137
BEGINNING FIGURE DRAWING AND COMPOSITION
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Recommended preparation: ART 20
Acceptable for credit: CSU

Introduction to drawing the human figure from observation using a wide variety of drawing media and techniques: Human anatomy, historical and contemporary roles of figure drawing in the visual arts with descriptive and interpretive approaches to drawing the figure. 1002.10
C-ID: ARTS 200

ART 166
BEGINNING BOTANICAL DRAWING
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Exploration through drawing of basic plant structures: Recording details of various plant forms; emphasis on rendering form and texture with graphite pencils, graphite powder, white drawing pencils and ink pens. 1002.10

ART 167
CONTINUING BOTANICAL DRAWING
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: ART 166
Acceptable for credit: CSU, UC

Exploration through drawing of basic plant structures: Recording details of various plant forms; emphasis on rendering form, color, and texture with graphite, ink pen, colored pencils, and watercolor. 1002.10
### COURSES

<table>
<thead>
<tr>
<th>ART 168</th>
<th>ADVANCED BOTANICAL DRAWING</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)</td>
<td>Recommended preparation: ART 167</td>
</tr>
<tr>
<td>Acceptable for credit: CSU, UC</td>
<td>Exploration through drawing of complex plant structures: Recording details of various plant forms; emphasis on developing a personal style, working from traditional and contemporary examples as well as personal preference in subject matter and techniques. 1002.10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ART 169</th>
<th>SPECIAL PROJECTS: BOTANICAL DRAWING</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)</td>
<td>Recommended preparation: ART 168</td>
</tr>
<tr>
<td>Acceptable for credit: CSU, UC</td>
<td>Exploration through drawing of basic plant structures: Recording details of various plant forms; emphasis on rendering form, color, and texture with graphite, ink pen, colored pencils, and watercolor. 1002.10</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>ART 187</th>
<th>BEGINNING CERAMIC SCULPTURE</th>
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<tbody>
<tr>
<td>3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)</td>
<td>Acceptable for credit: CSU, UC</td>
</tr>
<tr>
<td>Exploration of sculptural form through the use of ceramic media: Theory and application of form and design; exploration of surface decoration, kilns and firing. 1002.30</td>
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<table>
<thead>
<tr>
<th>ART 188</th>
<th>INTERMEDIATE CERAMIC SCULPTURE</th>
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</thead>
<tbody>
<tr>
<td>3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)</td>
<td>Acceptable for credit: CSU, UC</td>
</tr>
<tr>
<td>Continuing work in the area of ceramic sculpture. 1002.30</td>
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<thead>
<tr>
<th>ART 189</th>
<th>ADVANCED CERAMIC SCULPTURE</th>
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</thead>
<tbody>
<tr>
<td>3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)</td>
<td>Acceptable for credit: CSU, UC</td>
</tr>
<tr>
<td>Advanced work in sculptural form with ceramic media: Theory and application of three-dimensional design; concepts, processes, and principles, problems in construction, surface treatments, special techniques and material, including glazes and firing. 1002.30</td>
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<thead>
<tr>
<th>ART 202</th>
<th>FUNDAMENTALS OF DRAWING</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)</td>
<td>Introduction to drawing: Study of shape, form, and space in black and white. 1002.10</td>
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<table>
<thead>
<tr>
<th>ART 205</th>
<th>FUNDAMENTALS OF PAINTING</th>
</tr>
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<tbody>
<tr>
<td>2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)</td>
<td>Introduction to painting: Basic painting techniques and composition using oils, acrylics. 1002.10</td>
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<table>
<thead>
<tr>
<th>ART 208</th>
<th>FOUNDATIONS OF CERAMICS</th>
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</thead>
<tbody>
<tr>
<td>2 units, 1 hour lecture, 3 hours lab (GR or P/NP)</td>
<td>Introduction to Ceramics: Wheel throwing and hand building instruction, glazing and firing techniques. 1002.10</td>
</tr>
</tbody>
</table>
The mission of Asian and Asian-American Studies in the Department of Ethnic Studies is to offer opportunities for students to deepen their understanding of the multicultural and multi-racial history and character of the American experience, generally, and the varied racial and ethnic experiences, specifically. In addition, the aim is to locate the experiences of people of color in a larger global context in terms of identity, culture, sociology, history, and economic relations between nations. As new processes of migration evolve due to global economic politics, the program's purpose is to incorporate into the curriculum new topics of discussion and learning such as: borderlands, scarcity and migration, globalization and democracy and the increasing "ethnicization" of central economies.

### ASIAN AND ASIAN-AMERICAN STUDIES

**ASAME 1**  
**ART AND CULTURE OF ASIA**  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU, UC  
Survey of arts of India, China and Japan and basic patterns of cultural and aesthetic relationships: Study of selected works of art and their historical and cultural settings. 2203.02  
AA/AS area 2, 3; CSU area C1, D3; IGETC area 3A, 4C

**ASAME 19**  
**RACISM IN THE UNITED STATES**  
3 units, 3 hours lecture (GR or P/NP)  
Also offered as AFRAM 19, M/LAT 6, and NATAM 19. Not open for credit to students who have completed or are currently enrolled in AFRAM 19, M/LAT 6, or NATAM 19.  
Acceptable for credit: CSU, UC  
Exploration of the development of modern racism in the United States: Economic, socio-cultural, and psychological implications; and resistances to its effects from African-American, Asian-American, Mexican and Latin-American and Native American perspectives. 2203.02  
AA/AS area 2, 5; CSU area D; IGETC area 4C

**ASAME 30**  
**ASIANS AND ASIAN-AMERICANS THROUGH FILMS**  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU, UC  
Culture and societies of Asia and the Asian Diaspora, with particular emphasis on Asian-American documentary and dramatic films: Examination of films as a medium of communication and representation of Asian and Asian-American cultures, exploring common cultural elements and symbols; themes and motifs in films by and about Asian Americans, Central Asians, East Asians, and South and Southeast Asians. 2203.02  
AA/AS area 2, 3, 5; CSU area C2, D; IGETC area 3B, 4C

**ASAME 32**  
**ASIAN-AMERICAN PSYCHOLOGY**  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU, UC  
Principles of psychology as they relate to the growth and development of Asian-Americans. 2203.02  
AA/AS area 2, 5; CSU area D, E; IGETC area 4C, 4I

**ASAME 45A**  
**ASIAN-AMERICAN HISTORY TO 1945**  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU, UC  
Asian-American history from the pre-Columbian period to 1945: The “old” Asian immigrants and their experiences: Labor, settlement, community, racist opposition, and eventual acceptance. 2203.02  
AA/AS area 2, 5; CSU area C2, D; IGETC area 3B, 4C

**ASAME 45B**  
**ASIAN-AMERICAN HISTORY FROM 1945 TO THE PRESENT**  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU, UC  
Asian-American history from 1945 to the present: The “new” Asian immigration, assimilation, Asian-American empowerment, and community development. 2203.02  
AA/AS area 2, 5; CSU area C2, D; IGETC area 3B, 4C
Astronomy, the oldest of all scientific studies, has played a vital role in the development of modern science. Astronomers study the formation, composition, and evolution of objects such as planets, stars, galaxies, nebulae, black holes, and the universe itself. Students may take astronomy courses to fulfill general education requirements or to transfer to a four-year institution.

Career opportunities include teaching, museum or planetarium director, astronaut/astrophysicist, space scientist, mission data analyst, spacecraft and instrument designer, observatory technician, telescope operator, optics or electronics technician, computer programmer, and mathematician.

**ASTRONOMY**

**ASTR 1**
**INTRODUCTION TO ASTRONOMY**
3 units, 3 hours lecture plus required field trips and observation (GR)
Recommended preparation: MATH 201 or MATH 210D, and MATH 202
Not open for credit to students who have completed or are concurrently enrolled in ASTR 10
Acceptable for credit: CSU, UC

Introduction to the universe and insight into its mysteries: Development of modern astronomy, light, astronomical instruments, a brief survey of the solar system, the Sun, the stars, novas and supernovas, neutron stars, black holes, galaxies, and cosmology.

1911.00
AA/AS area 1; CSU area B1 (with ASTR 20 satisfies lab requirement); IGETC area 5A, 5C (with ASTR 20 satisfies lab requirement)

**ASTR 10**
**DESCRIPTIVE ASTRONOMY**
3 units, 3 hours lecture (GR)
Recommended preparation: MATH 201 or MATH 210D
Not open for credit to students who have completed or are currently enrolled in ASTR 1
Acceptable for credit: CSU, UC

Survey of astronomy at a descriptive level: Development of modern astronomy, light, astronomical instruments, the sun, formation and evolution of the solar system, the terrestrial planets, the Jovian planets, asteroids, comets, planets around other stars, and a brief survey of stars.

1911.00
AA/AS area 1; CSU area B1 (with ASTR 20 satisfies lab requirement); IGETC area 5A, 5C (with ASTR 20 satisfies lab requirement)

**ASTR 11A**
**INTRODUCTION TO OBSERVATIONAL ASTRONOMY**
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: Math 201 or MATH 210D
Acceptable for credit: CSU

Principles of astronomy used to identify, locate, and observe astronomical objects of the night sky using telescopes and binoculars: Familiarization with the night sky and its constellations, planets, double stars, star clusters, nebula, and galaxies; the movement of stars, planets, the sun, and the moon; use of star charts; set-up and use of a variety of different types of telescopes, and use of these instruments to observe astronomical objects.

1911.00
CSU area B1

**ASTR 20**
**OBSERVATIONAL ASTRONOMY LABORATORY**
1 unit, 3 hours laboratory (GR or P/NP)
Prerequisite or Corequisite: ASTR 1 or ASTR 10
Course is a supplemental laboratory course for ASTR 1 and ASTR 10.
Recommended for Astronomy majors and/or transfer students.
Acceptable for credit: CSU, UC

Hands-on experience observing the night sky using the unaided eye, binoculars, and telescopes: Performance of experiments involving astronomical measurements and principles of astronomical instruments, especially telescopes.

1911.00
CSU area B3 (with ASTR 1 or 10); IGETC area 5C (with ASTR 1 or 10)
The Merritt College Athletics Department creates an environment that inspires a student’s positive self-image, emotional well-being, and health consciousness through physical fitness, specialized physical skill development, and emphasis on character traits like teamwork, determination, respect, self-confidence, cooperation, and self-motivation.

Merritt College offers the following sports teams for student athlete participation: basketball, soccer, and women’s track & field and cross country. The college participates in intercollegiate competition through membership in the Bay Valley Conference, an eleven-team league in the Bay Area (Track and Field and Cross Country are in the Big Eight Conference).

To participate in intercollegiate athletics, student athletes must fulfill eligibility requirements as set forth by the California Community College Athletic Association (CCCAA) and Merritt College. Student-athletes must adhere to the following requirements for eligibility:

- Meet with a counselor and complete a Student Educational Plan (SEP)
- Maintain at least a 2.0 cumulative Grade Point Average (GPA)
- Successfully complete 24 units between the first and second season of competition in a specific sport, of which 18 units must be academic

Prospective athletes are urged to consult the Athletic Director or the coach of their sport of interest before or immediately after enrollment.

ATHLETICS

ATHL 1
INTERCOLLEGIATE WOMEN’S BASKETBALL
1.5 units, 5 hours laboratory (GR or P/NP)
Course may be repeated three times.
Acceptable for credit: CSU, UC

Fundamentals of intercollegiate competition: Application of basketball theory, team organization, technique, strategy, and leadership in competition with other colleges. 0835.50
CSU area E

ATHL 6
INTERCOLLEGIATE MEN’S BASKETBALL
1.5-3 units, 5-10 hours laboratory (GR or P/NP)
Course may be repeated three times.
Acceptable for credit: CSU, UC

Fundamentals of intercollegiate competition: Application of theory, team organization, technique, strategy, and leadership in competition with other colleges. 0835.50
CSU area E

ATHL 30
INTERCOLLEGIATE MEN’S SOCCER
3 units, 10 hours laboratory (GR or P/NP)
Course may be repeated three times.
Acceptable for credit: CSU, UC

Fundamentals of intercollegiate competition: A comprehensive course designed, for the student-athlete covering advanced development of intercollegiate soccer skills, fitness skills, and mental preparation for competition. 0835.50
CSU area E

ATHL 59
INTERCOLLEGIATE TRACK AND FIELD
3 units, 10 hours laboratory (GR or P/NP)
Course may be repeated three times.
Acceptable for credit: CSU, UC

Fundamentals in inter-collegiate track and field competition: Theory, team organization, technique, strategy, and leadership. 0835.50
CSU area E

ATHL 60
TRACK AND FIELD FOUNDATIONS
3 units, 10 hours laboratory (GR or P/NP)
Course may be repeated three times.
Acceptable for credit: CSU

Fundamentals in intercollegiate track and field competition: Theory, team organization, technique, strategy, and leadership. 0835.50
CSU area E

ATHL 66
INTERCOLLEGIATE MEN AND WOMEN’S CROSS COUNTRY
3 units, 10 hours laboratory (GR or P/NP)
Course may be repeated three times.
Acceptable for credit: CSU, UC

Fundamentals of intercollegiate competition: Theory, team organization, technique, strategy and leadership. 0835.50
CSU area E

ATHL 67
CROSS COUNTRY FOUNDATION
3 units, 10 hours laboratory (GR)
Course may be repeated three times.
Acceptable for credit: CSU

Fundamentals of intercollegiate cross country competition: Theory, team organization, technique, strategy and leadership. 0835.50

ATHL 75
INTERCOLLEGIATE WOMEN’S SOCCER
3 units, 10 hours laboratory (GR)
Course may be repeated three times.
Acceptable for credit: CSU, UC

Fundamentals of intercollegiate competition: Advanced development of intercollegiate soccer skills, fitness skills, and mental preparation for competition. 0835.50
CSU area E

For Activity Courses - See Kinesiology (KIN)
Using evolution as its paradigm, the Biology Department provides a supportive, challenging, and stimulating environment in which students are able to acquire a strong foundation in biology. This foundation includes instruction, development of critical thinking skills, and training on cutting-edge equipment to prepare students for transfer to 4-year institutions or provide access to fulfilling careers in medical, nursing, radiological sciences and other biology-related areas. We also wish to promote natural history both locally and internationally.

**Merritt College offers the following certificate program in Biology:**

**NATURAL HISTORY**
- CERTIFICATE OF PROFICIENCY
NATURAL HISTORY CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Natural History Certificate of Proficiency prepares students for entry-level jobs, provides for job-advancement and continuing education and professional development requirements, and supports docent training with both public and private agencies and companies. These include museums, nature centers, public schools and community colleges, ecotourism company guides, Nature Conservancy Preserves and the University of California Natural Reserve System, environmental consultants, and local, state and national park and national forest interpretive sites and visitor centers.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Contrast and compare climates in local, regional and global settings and predict the characteristics of the ecosystems, both their physical and biotic components, which these climates produce.
2. Explain the origins of an extant landscape based on knowledge of the geology and geologic processes which exist and have been in effect in an ecosystem during geologic time, such as plate tectonics.
3. Elucidate ecological relationships between the various members of the biota of any ecosystem under consideration, both in food chains and webs and in biogeochemical cycles.
4. Evaluate conservation strategies in different regional and global ecosystems based on both the resources and the cultural characteristics of the people involved.
5. Program Requirements

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Courses</td>
<td>Select a total of 10 units from the following:</td>
<td></td>
</tr>
<tr>
<td><strong>Group A: California Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 62K</td>
<td>Natural History of the Ancient Bristlecone Pine Forest</td>
<td>1.5-2</td>
</tr>
<tr>
<td>BIOL 62R</td>
<td>Ecology of Yosemite Valley</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 62S</td>
<td>Natural History of the Islands of California</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 62T</td>
<td>Ecology of Mono Lake and the Mono Craters</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 62U</td>
<td>Natural History of the Giant Sequoia in Yosemite and Sequoia/Kings Canyon National Parks</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 62V</td>
<td>Ecology of the Mammoth Lakes Sierra and the Ritter Range</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 62X</td>
<td>Natural History of Headwaters Forest</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 80D</td>
<td>Ecology of the California Condor</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Group B: Other State Courses</strong></td>
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<tr>
<td>BIOL 62W</td>
<td>Natural History of the Ice Age National Scenic Trail and Ice Age National Scientific Reserve, Wisconsin</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 62Y</td>
<td>Natural History of Arches National Park</td>
<td>1</td>
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<tr>
<td><strong>Group C: International Courses</strong></td>
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<tr>
<td>BIOL 65C</td>
<td>Natural History and Gaucho Culture of Uruguay</td>
<td>1</td>
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<tr>
<td>BIOL 65D</td>
<td>Natural History of New South Wales, Australia</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 65F</td>
<td>Natural History of Tahiti (French Polynesia)</td>
<td>1</td>
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<tr>
<td><strong>Group D: Indians and the Environment</strong></td>
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<tr>
<td>NATAM 76E</td>
<td>California Indian Ecology on the Central Coast</td>
<td>1.5</td>
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<td><strong>Total Units</strong></td>
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</table>
### BIOLOGY

**BIOL 1A**
**GENERAL BIOLOGY**
5 units, 3 hours lecture, 6 hours laboratory (GR or P/ NP)
Prerequisite: CHEM 1A
Acceptable for credit: CSU, UC

Introduction to general biology: Cell structure and function, metabolism, molecular and organismal genetics, and animal physiology. 0401.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C
C-ID: BIOL 135S (with BIOL 1B), BIOL 190

**BIOL 1B**
**GENERAL BIOLOGY**
5 units, 3 hours lecture, 6 hours laboratory (GR or P/ NP)
Prerequisite: BIOL 1A
Acceptable for credit: CSU, UC

Continuation of BIOL 1A: Origin of life, evolution, classification, plant structure and function, and ecology. 0401.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C
C-ID: BIOL 135S (with BIOL 1A), BIOL 140

**BIOL 2**
**HUMAN ANATOMY**
5 units, 4 hours lecture, 3 hours laboratory (GR or P/ NP)
Prerequisite: BIOL 10 or BIOL 24
Acceptable for credit: CSU, UC

Detailed study of human body structure: Molecules, cells, tissues, organs and organ systems, basic physiology and cell division, selected human diseases. Laboratory work includes extensive use of microscopes, figures/charts, three-dimensional models, dissected human cadavers, and dissection of other mammalian organisms/organisms. 0410.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C
C-ID: BIOL 110

**BIOL 3**
**MICROBIOLOGY**
5 units, 4 hours lecture, 3 hours laboratory (GR or P/ NP)
Prerequisite: CHEM 1A or CHEM 30A
Recommended preparation: BIOL 10
Acceptable for credit: CSU, UC

Survey of the various microscopic agents of particular importance to humans: Emphasis on microbes involved in infectious diseases, host defenses against diseases, elements of infectious chains and means utilized for breaking the chains. 0403.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C

**BIOL 4**
**HUMAN PHYSIOLOGY**
5 units, 4 hours lecture, 3 hours laboratory (GR or P/ NP)
Prerequisite: CHEM 1A or CHEM 30A
Recommended preparation: BIOL 2
Acceptable for credit: CSU, UC

Detailed study of human body function: Molecules, cells, tissues, organs and organ systems, basic anatomy essential to understanding function, physical and chemical factors and process, and selected human diseases. Laboratory work includes computer simulations and interactive programs, physiological experiments and demonstrations, and use of microscopes. 0410.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C
C-ID: BIOL 120

**BIOL 5**
**BOTANY**
4 units, 3 hours lecture, 3 hours laboratory (GR or P/ NP)
Also offered as LANHT 15. Not open for credit to students who have completed or are currently enrolled in LANHT 15.
Acceptable for credit: CSU, UC

Introductory study of botany: Structure, physiology, genetics, ecology, and uses of plants. Laboratory work emphasizes microscopy, physiology experiments, and field identification. 0402.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C

**BIOL 9**
**MARINE BIOLOGY**
4 units, 3 hours lecture, 3 hours laboratory (GR or P/ NP)
Acceptable for credit: CSU, UC

Introduction to the natural history of marine algae, invertebrates, fish and mammals, focusing on Northern California coast environments: Basic concepts of biology, oceanography, ecology, and current environmental issues. 0408.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C

**BIOL 10**
**INTRODUCTION TO BIOLOGY**
4 units, 3 hours lecture, 3 hours laboratory (GR or P/ NP)
Not open for credit to students who have completed or are currently enrolled in BIOL 1A or BIOL 1B or BIOL 25.
Students with previous credit in BIOL 11 receive only 1 unit of credit for BIOL 10.
Acceptable for credit: CSU, UC

Fundamentals of biology for the non-major: Scientific inquiry, biological chemistry, cell structure and function, DNA and genetics, evolution and ecology, and an overview of living organisms. Includes laboratory exercises designed to complement lectures. 0401.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C
BIOL 13
**PRINCIPLES OF ECOLOGY**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Study of the interaction of humans with the living world around them: The nature of the biological world and how it works; and the problems of overpopulation, pollution, and environmental deterioration. 0408.00
AA/AS area 1; CSU area B2, B3 (with BIOL 13L or ENVMT 2L satisfies lab requirement); IGETC area 5B, 5C (with BIOL 13L or ENVMT 2L satisfies lab requirement)

BIOL 13L
**PRINCIPLES OF ECOLOGY AND SUSTAINABLE SYSTEMS LAB**
1 unit, 3 hours laboratory (GR)
Prerequisite or Corequisite: BIOL 13 or ENVMT 2
Also offered as ENVMT 2L. Not open for credit to students who have completed or are currently enrolled in ENVMT 2L.
Acceptable for credit: CSU, UC

Field laboratory course which identifies, measures, and tests the sustainable environmental principles discussed in ENVMT 2 or BIOL 13: Qualitative and macro/micro qualitative methods, identifying and sustaining ecosystems, nutrient cycling, geographical and aquatic ecology, population dynamics, water and energy systems, air pollution and hazardous waste, and farming methods and use of pesticides. 0408.00
CSU area B3 (with BIOL 13 satisfies lab requirement); IGETC area 5C (with BIOL 13 satisfies lab requirement)

BIOL 15
**ENVIRONMENTAL BIOLOGY**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Study of the relationships between living things and their environment: Natural selection and speciation, the organism and the environment, population ecology, the ecosystem, and a survey of ecosystems. 0408.00
AA/AS area 1; CSU area B2; IGETC area 5B

BIOL 20A
**HUMAN ANATOMY AND PHYSIOLOGY**
5 units, 4 hours lecture, 3 hours laboratory (GR or P/ NP)
Recommended preparation: BIOL 24 or CHEM 30A
Acceptable for credit: CSU, UC

Structure and function of the human body: Biological chemistry, cytology, tissues, and integumentary, skeletal, muscular and nervous systems; selected human diseases. Laboratory work: Dissection of mammalian organs, work with dissected human cadavers; use of microscopes, figures/charts, three-dimensional models; physiological experiments and demonstrations, and computer simulations. 0410.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C
C-ID: BIOL 115S (with BIOL 20B)

BIOL 20B
**HUMAN ANATOMY AND PHYSIOLOGY**
5 units, 4 hours lecture, 3 hours laboratory (GR or P/ NP)
Prerequisite: BIOL 20A
Acceptable for credit: CSU, UC

Structure and function of the human body: Special senses, endocrine, cardiovascular, immune, respiratory, digestive, urinary and reproductive systems; selected human diseases. Laboratory: Dissection of mammalian organs, work with dissected human cadavers; use of microscopes, figures/charts, three-dimensional models; physiological experiments and demonstrations, and computer simulations. 0410.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C
C-ID: BIOL 115S (with BIOL 20A)

BIOL 23
**INTRODUCTION TO THE HUMAN BODY**
3 units, 3 hours lecture (GR or P/NP)
Course is equivalent to BIOL 24 without the lab; it does not meet Allied Health requirements for an anatomy and physiology course.
Acceptable for credit: CSU, UC

Fundamentals of structure and function of the human body: Emphasis on medical and health aspects. 0410.00
AA/AS area 1; CSU area B2; IGETC area 5B

BIOL 24
**BASIC HUMAN ANATOMY AND PHYSIOLOGY**
4 units, 3 hours lecture, 3 hours laboratory (GR or P/ NP)
Acceptable for credit: CSU, UC

Fundamentals of the structure and function of the human body from an organ system perspective: Key concepts and basic principles of the chemistry of life and organic compounds, cells and tissues; cell physiology, organ systems, selected human diseases. Laboratory work includes use of microscopes, figures/charts, three-dimensional models, dissection of mammalian organs and demonstration of human cadavers. 0410.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C

BIOL 25
**HUMAN BIOLOGY**
3 units, 3 hours lecture (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in BIOL 1A or BIOL 1B or BIOL 10.
Acceptable for credit: CSU, UC

Principles of life sciences through study of biological structures and functions of the human organism: Human genetics, evolution, ecology, sexual differences and comparisons, development and growth, and survey of body systems. 0401.00
AA/AS area 1; CSU area B2; IGETC area 5B
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<th>COURSES</th>
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| **BIOL 29**  
INTRODUCTION TO BIODIVERSITY  
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  |
| Introduction to biology emphasizing chiefly the evolution, adaptations, and classification of life forms from bacteria to animals: Identification of groups of organisms and the most common species; lesser emphasis on cellular and molecular biology and genetics.  
0401.00  
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C |
| **BIOL 36**  
HUMAN GENETICS  
4 units, 3 hours lecture, 3 hours laboratory (GR or P/ NP)  
Recommended preparation: BIOL 1A or BIOL 10  
Acceptable for credit: CSU, UC  |
| Survey of basic Mendelian and modern genetics: Basic cell biology, cytogenetics, pedigree analysis, multi-factorial inheritance, development and sex determination, DNA structure and function, gene expression and regulation, mutation and epigenetics, evolution and population genetics, cancer genes, immune system, biotechnology, behavior genetics, genetic counseling.  
0401.00  
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C |
| **BIOL 42**  
BASIC PATHOPHYSIOLOGY  
3 units, 3 hours lecture (GR)  
Prerequisites: BIOL 2 and BIOL 4, or BIOL 20A and BIOL 20B, and BIOL 3  
Acceptable for credit: CSU  |
| Introduction to the fundamentals of pathophysiology with a focus on physiologic changes and altered functions in the human body resulting from disease processes: Study of basic disease process concepts, body systems, etiology, and pathogenesis of various disorders based on foundation principles from anatomy, physiology and chemistry; exploration of diagnostic procedures, preventative measures, and current therapeutic regimens.  
0410.00  
AA/AS area 1 |
| **BIOL 47**  
STRATEGIES FOR THE BIOLOGY TEACHING ASSISTANT  
.5-.5 units, 1.5-4.5 hours laboratory (GR or P/NP)  
Open-entry/open-exit course  
Prerequisite or Corequisite: BIOL 2, BIOL 4, BIOL 20A, BIOL 20B, BIOL 35, or BIOL 48OF  
Acceptable for credit: CSU  |
| Laboratory preparation and design techniques: Anatomy and physiology laboratory procedures and dissection techniques, computer-based training and testing design and application, and pedagogy and student assistance.  
0410.00 |
| **BIOL 49**  
INDEPENDENT STUDY IN BIOLOGICAL SCIENCES  
.5-.5 units (GR or P/NP)  
Acceptable for credit: CSU  |
| See section on Independent Study.  
0401.00 |
| **BIOL 60A**  
NATURAL HISTORY OF THE BAY AREA: THE LOCAL PARKS  
.5-.4 units, .5-4 hours lecture (GR or P/NP)  
Also offered as ENVST 60A. Not open for credit to students who have completed or are currently enrolled in ENVST 60A.  
Acceptable for credit: CSU  |
| Survey of the natural history of the Bay Area: Climate, geology, geologic history, geomorphology, flora and fauna of selected Bay Area parks.  
0408.00 |
| **BIOL 60B**  
NATURAL HISTORY OF THE BAY AREA: MT. DIABLO STATE PARK  
1-5 units, 1-5 hours lecture (GR or P/NP)  
Also offered as ENVST 60B. Not open for credit to students who have completed or are currently enrolled in ENVST 60B.  
Acceptable for credit: CSU  |
| Survey of the natural history of Mt. Diablo State Park: Climate, geology, geologic history, geomorphology, flora and fauna; survey techniques for field studies and conservation strategies for the endangered species of the park; includes on-site field studies at Mt. Diablo State Park.  
0408.00 |
| **BIOL 60C**  
NATURAL HISTORY OF THE BAY AREA: HERPETOLOGY  
2 units, 2 hours lecture (GR or P/NP)  
Also offered as ENVST 60C. Not open for credit to students who have completed or are currently enrolled in ENVST 60C.  
Acceptable for credit: CSU  |
| Survey of the natural history of reptiles and amphibians of the Bay Area: includes on-site field studies in various state and regional parks.  
0408.00 |
| **BIOL 61E**  
NATURAL HISTORY: TIDE POOLS OF THE GREATER BAY AREA  
.5 units, .5 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  |
| Survey of tide-pool life of the Greater Bay Area: Invertebrates and vertebrates as well as tide-pool flora.  
0408.00 |
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<tr>
<th>COURSES</th>
<th>BIOLOGY (BIOL)</th>
<th>PROGRAMS AND COURSES</th>
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</thead>
</table>
| BIOL 61G                                    | **NATURAL HISTORY: MAMMALS OF THE GREATER BAY AREA** | 2 units, 2 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Survey of Bay Area Mammals: Marine as well as terrestrial mammals, endemic as well as introduced species and relatively recent extinctions. 0408.00 |
| BIOL 61H                                    | **NATURAL HISTORY OF THE BAY AREA: BUTTERFLIES AND MOTHS** | 2 units, 2 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Butterflies and Moths of the Greater Bay Area: Life histories of common, rare and endangered species. 0408.00 |
| BIOL 61I                                    | **NATURAL HISTORY OF THE BAY AREA: BRYOPHYTES** | 2 units, 2 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Identification of common mosses and liverworts of the greater San Francisco Bay Area: Slide preparation and microscopic examination including field identification. 0408.00 |
| BIOL 61K                                    | **NATURAL HISTORY OF THE BAY AREA: LICHENS** | 2 units, 2 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Common Lichens of the Greater San Francisco Bay Area: Microscopic analysis and field study. 0408.00 |
| BIOL 62K                                    | **NATURAL HISTORY OF THE ANCIENT BRISTLECONE PINE FOREST** | 1.5 units, 1.5 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Geography, climate, geology, plant and animal communities, and ecology of the Bristlecone Pine (Pinus longaeva) in the White Mountains of Eastern California. 0408.00 |
| BIOL 62R                                    | **ECOLOGY OF YOSEMITE VALLEY** | 1.5 units, 1.5 hours lecture (GR or P/NP)  
Field sessions are at student expense.  
Acceptable for credit: CSU  
Geologic origins and historic and present-day biota of Yosemite Valley: Rocks, glaciation, forests, rivers, meadows, native fauna, fire, succession and human impacts. 0408.00 |
| BIOL 62S                                    | **NATURAL HISTORY OF THE ISLANDS OF CALIFORNIA** | 2 units, 2 hours lecture (GR or P/NP)  
Acceptable for Credit: CSU  
Biogeography of California’s islands: botany, zoology, and geology of the Channel Islands, Farallon Islands, and San Francisco Bay Islands. 0408.00 |
| BIOL 62T                                    | **ECOLOGY OF MONO LAKE AND THE MONO CRATERS** | 1.5 units, 1.5 hours lecture (GR or P/NP)  
Acceptable for Credit: CSU  
Pleistocene salt lake in the Great Basin Desert of Eastern California: Climate; geology; flora; fauna; history; controversies; and conservation. 0408.00 |
| BIOL 62U                                    | **NATURAL HISTORY OF THE GIANT SEQUOIA IN YOSEMITE AND SEQUOIA/KINGS CANYON NATIONAL PARKS** | 1.5 units, 1.5 hours lecture (GR or P/NP)  
Acceptable for Credit: CSU  
Iconic tree species, endemic to California: Classification; genetic relationships; anatomical and physiological characteristics; geologic history; environment; adaptations; community relationships; threats and exploitation; conservation. 0408.00 |
| BIOL 62V                                    | **ECOLOGY OF THE MAMMOTH LAKES SIERRA AND THE RITTER RANGE** | 1.5 units, 1.5 hours lecture (GR or P/NP)  
Acceptable for Credit: CSU  
Glaciers, volcanoes, alpine lakes, dense subalpine forests: High country geology, glacial landscapes, flora, fauna, ecology and conservation on and east of the Sierra crest. 0408.00 |
| BIOL 62W                                    | **NATURAL HISTORY OF THE ICE AGE NATIONAL SCENIC TRAIL AND ICE AGE NATIONAL SCIENTIFIC RESERVE, WISCONSIN** | 1 unit, 1 hour lecture (GR or P/NP)  
Acceptable for Credit: CSU  
Best and most accessible continental glacial landscape features in the world: Moraines; kettle lakes; kames; eskers; drumlins; glacial erratics; glacial outwash; and glacial lakes. 0408.00 |
| BIOL 62X                                    | **NATURAL HISTORY OF HEADWATERS FOREST** | 1.5 units, 1.5 hours lecture (GR or P/NP)  
Acceptable for Credit: CSU  
Pristine old-growth Coast Redwood forest near Arcata: Climate; geology; Redwood ecology; history; political struggle; conservation; and preservation. 0408.00 |
BIOL 62Y
NATURAL HISTORY OF ARCHES NATIONAL PARK
1 unit, 1 hour lecture (GR or P/NP)
Acceptable for Credit: CSU

Unparalleled landscape features in the canyonlands of Southeastern Utah: Natural arches; natural bridges; wild and scenic rivers; high desert wildlife; comparison of hot deserts with cold deserts. 0408.00

BIOL 64I
NATURAL HISTORY OF POINT REYES NATIONAL SEASHORE
1 unit, 1 hour lecture (GR or P/NP)
Acceptable for credit: CSU

Survey of the flora, fauna, geology and ecosystems of Point Reyes National Seashore. 0408.00

BIOL 65C
NATURAL HISTORY AND GAUCHO CULTURE OF URUGUAY
1 unit, 1 hour lecture (GR or P/NP)
Acceptable for credit: CSU

Wild nature in outback Uruguay: Quebrada ecosystems and the local people in the forefront of protecting and interpreting them. 0408.00

BIOL 65D
NATURAL HISTORY OF NEW SOUTH WALES, AUSTRALIA
1 unit, 1 hour lecture (GR or P/NP)
Acceptable for credit: CSU

Remnants of the great southern continent: Plants, animals and geology of UNESCO World Heritage Gondwana Rainforest Reserves and the Great Dividing Range in eastern Australia. 0408.00

BIOL 65F
NATURAL HISTORY OF TAHITI (FRENCH POLYNESIA)
1 unit, 1 hour lecture (GR or P/NP)
Acceptable for Credit: CSU

Overview of geology, flora, and fauna of Tahiti: French Polynesia; botany; zoology; biogeography. 0408.00

BIOL 80A
RAPTORS OF CENTRAL CALIFORNIA AND THE BAY AREA
.5-2.5 units, .5-2.5 hours lecture (GR or P/NP)
Also offered as ENVST 80A. Not open for credit to students who have completed or are currently enrolled in ENVST 80A.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU

Introduction to the basic biology of birds with an emphasis on hawks, eagles, falcons, kites, owls, vultures and other raptors of Central California and the Bay Area: Identification, classification, evolution, migration and ecology of the raptors; field sessions in outstanding fall migration and overwintering areas presenting these birds in their natural habitats. 0408.00

BIOL 80B
BIRD SONGING: THE ECOLOGY OF BIRD SONGS AND IDENTIFICATION BY EAR
.5-2.5 units, .5-2.5 hours lecture (GR or P/NP)
Also offered as ENVST 80B. Not open for credit to students who have completed or are currently enrolled in ENVST 80B.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU

Introduction to the identification, classification, and ecology of birds in terms of how they communicate and use their songs: Emphasis on Central California and Bay Area birds, with special attention paid to birds such as passerines, hummingbirds, and parrots that memorize and learn their songs; concepts relating to how birds sing, learn their songs, mimic one another, and play duets together. 0408.00

BIOL 80C
FUNDAMENTALS OF ORNITHOLOGY AND BIRDING IN CENTRAL CALIFORNIA AND THE BAY AREA
.5-7 units, .5-7 hours lecture (GR or P/NP)
Also offered as ENVST 80C. Not open for credit to students who have completed or are currently enrolled in ENVST 80C.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU

Fundamentals of ornithology: Emphasis on habitats from the pelagic to the High Sierra and the birds found there. 0408.00

BIOL 80D
ECOLOGY OF THE CALIFORNIA CONDOR
1.5 units, 1.5 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Introduction to the California Condor, Gymnogyps californianus: Characteristics, life history, habitat and niche, past and present ranges and conservation challenges. 0408.00

BIOL 260
BIOLOGY SUCCESS SKILLS
Variable 0.5 to 1 unit, 0.5 to 1 hour lecture (GR or P/NP)

Study of topics basic to biology: Biological chemistry, cell structure and function, genetics, and use of the microscope. 4930.14
The Biosciences Program offers students comprehensive training through hands-on instruction in cutting-edge technology for in-demand, fulfilling careers in the areas of microscopy, histotechnology, and genomics.

Career opportunities in Fluorescence Bioscience Microscopy include: director of an imaging core, research lab technician, imaging specialist in a research lab or biotech company, imaging equipment sales consultant, and imaging product manager. Graduates of the program also secure careers in software development and sales, microscopy training, and research consulting. The Histotechnician program prepares students for positions in hospital and clinical diagnostic labs, biotech histotechnology labs, academic research labs, agricultural and plant pathology labs, and veterinarian labs. Students of Optical Microscopy pursue careers as biotech lab assistants in biotech, academic researchers, government researchers, imaging core assistants, and imaging equipment and software vendors (field applications, inside sales, technical support). The Illumina Hiseq DNA Sequencing program prepares students to work as laboratory technicians in facilities that use Illumina sequencers or analyze DNA. The Phylogenetic Analysis program prepares students to work as laboratory technicians who assess commonalities and disparities between species.

Merritt College offers the following certificate programs in Bioscience:

**FLUORESCENCE BIOSCIENCE MICROSCOPY**
- CERTIFICATE OF PROFICIENCY

**HISTOTECHNICIAN**
- CERTIFICATE OF ACHIEVEMENT

**ILLUMINA HISEQ DNA SEQUENCING**
- CERTIFICATE OF PROFICIENCY

**OPTICAL MICROSCOPY**
- CERTIFICATE OF PROFICIENCY

**PHYLOGENETIC ANALYSIS**
- CERTIFICATE OF PROFICIENCY
FLUORESCENCE BIOSCIENCE MICROSCOPY
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Fluorescence Bioscience Microscopy certificate program prepares students for entry- and mid-level jobs in bioscience imaging, research and microscopy, including in the biotech industry. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript.

CAREER OPPORTUNITIES
Career opportunities include employment as a director of an imaging core, research lab technician, imaging specialist in research lab or biotech company, imaging equipment sales consultant, imaging product management, software development and sales, microscopy training and research consultant.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Design experiments, critically analyze data, and report results.
2. Acquire digital images on a variety of research-level digital optical microscopes, including motorized widefield fluorescence systems, a spectral imaging confocal and a spinning disk confocal.
3. Master diverse microscopy software programs for all four main brands of research optical microscopes.

PROGRAM REQUIREMENTS

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<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>BIOSC 103</td>
<td>Confocal Microscopy and Research Design</td>
<td>6</td>
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<tr>
<td>BIOSC 104</td>
<td>Bioscience Practicum Research</td>
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Total Units 12
HISTOTECHNICIAN
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
The Merritt College Histotechnician program provides on-campus and on-site technical training in the field of histotechnology, focusing on routine tissue sample preparation, special stains and techniques such as immunohistochemistry, in situ hybridization, fluorescence microscopy and genomics. Training on campus will utilize samples routinely prepared in both clinical and research facilities. As part of their formal training, students of histotechnology will work through study guides provided by the American Society of Clinical Pathologists (ASCP) for its certification examination. Partnerships with local facilities will allow for work experience and internship sites, required for certification of histotechnician graduates, and will provide further training for those interested in research and/or careers in the private sector. Completion of this Program qualifies students for HT or HTL certification through ASCP.

A Certificate of Achievement will be awarded upon successful completion of the requirements below.

CAREER OPPORTUNITIES
Career opportunities may include Histotechnician positions in hospital and clinical diagnostic labs, biotech histotechnology labs, academic research labs, agricultural and plant pathology labs, veterinarian labs.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Identify tissues as well as prepare tissue samples for analysis following ASCP/NAACLS guidelines.
2. Demonstrate good laboratory practices, as well as skilled handling of histotech, microscopy and genomics laboratory equipment, including trouble-shooting.

PROGRAM REQUIREMENTS

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<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<td><strong>Group A: Human Anatomy and Physiology</strong></td>
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<td>BIOL 4</td>
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<td>BIOL 20A</td>
<td>Human Anatomy and Physiology</td>
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<td>BIOL 20B</td>
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<td><strong>Group B: Chemistry</strong></td>
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<td>CHEM 30A</td>
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<td><strong>Major Core Courses</strong></td>
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<tr>
<td>BIOL 3</td>
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<td>BIOSC 9</td>
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<td>Advanced Histotechniques</td>
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<td>BIOSC 57</td>
<td>Advanced Immunohistochemistry</td>
<td>2</td>
</tr>
<tr>
<td>BIOSC 58</td>
<td>Cytopreparation for the Histotechnician</td>
<td>2</td>
</tr>
<tr>
<td>BIOSC 101</td>
<td>Theory and Practice of Microscopy</td>
<td>6</td>
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<tr>
<td>BIOSC 102</td>
<td>Fluorescence Microscopy and Specimen Prep</td>
<td>6</td>
</tr>
<tr>
<td>COPED 476G</td>
<td>Occupational Work Experience in Histotechnology</td>
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<tr>
<td><strong>Total Units</strong></td>
<td><strong>58-59</strong></td>
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</tr>
</tbody>
</table>
PROGRAMS

ILLUMINA HISEQ DNA SEQUENCING
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Illumina HiSeq DNA Sequencing certificate program offers a unique opportunity to study DNA. The central emphasis of this certificate is the mastery of sample preparation and operation, and analysis of DNA using the Illumina HiSeq DNA Sequencer. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript.

CAREER OPPORTUNITIES
Laboratory Technician in either a facility that uses any Illumina sequencer or as a laboratory technician in any facility where DNA is analyzed, with special emphasis on high throughput, short read assemblies as well as medical genomics, pathogen analysis and agricultural applications.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Students will be able to prepare samples, operate all relevant devices, interpret data, and trouble shoot problems related to the Illumina HiSeq DNA Sequencer.
2. Students will be able to design and complete an experiment using the Illumina HiSeq DNA Sequencer, interpret findings and participate in writing a report targeted for a peer-reviewed scientific journal.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOSC 30</td>
<td>Genomics Theory</td>
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<tr>
<td>BIOSC 32</td>
<td>Good Laboratory Practices in Genomics</td>
<td>1</td>
</tr>
<tr>
<td>BIOSC 33</td>
<td>Research Design in Genomics</td>
<td>1</td>
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<tr>
<td>BIOSC 37</td>
<td>Principles of Long Polymerase Chain Reaction (PCR)</td>
<td>1</td>
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<tr>
<td>BIOSC 40</td>
<td>DNA Shearing Techniques for Shotgun Sequencing in Genomics</td>
<td>3</td>
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<tr>
<td>BIOSC 72</td>
<td>DNA Sequencing using Bridge Amplification for the Illumina HiSeq</td>
<td>3</td>
</tr>
<tr>
<td>BIOSC 90</td>
<td>Internship in Genomics</td>
<td>3</td>
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</table>

Total Units 16
OPTICAL MICROSCOPY
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Optical Microscopy certificate program prepares students for entry-level jobs in bioscience microscopy and imaging, including in the biotech industry. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student's transcript.

CAREER OPPORTUNITIES
Career opportunities include biotech lab assistant in biotech, academic research, government research, imaging core assistant, imaging equipment and software vendors (field applications, inside sales, technical support).

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Confidently acquire digital images on a variety of research-level optical microscopes, including phase, DIC, and widefield epifluorescence.
2. Operate diverse microscopy software programs.
3. Prepare brightfield specimens for optical microscopy.
4. Execute basic cell and molecular biology lab techniques, including aseptic technique, following good lab practices.
5. Identify areas of the biotech industry that are relevant to their chosen career pathways.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOSC 101</td>
<td>Theory and Practice of Microscopy</td>
<td>6</td>
</tr>
<tr>
<td>BIOSC 102</td>
<td>Fluorescence Microscopy and Specimen Prep</td>
<td>6</td>
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<td></td>
<td><strong>Total Units</strong></td>
<td><strong>12</strong></td>
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</table>
PROGRAMS

BIOSCIENCE (BIOSC)

PROGRAMS

PHYLOGENETIC ANALYSIS
CERTIFICATE OF PROFICIENCY

DESCRIPTION

The Certificate of Proficiency in Phylogenetic Analysis program is an introduction to phylogenetic analysis, a type of bioinformatics. It is not enough to just sequence DNA. You must also analyze what you have. With billions of bases to analyze, scientists and technicians rely on computers to help understand the data they sequence. Phylogenetics provides a comparative map of the history of life and is used in fields from conservation to pandemics. Students will create phylogenetic maps of species, many of which have never been sequenced. A Certificate of Proficiency will be awarded upon completion of the requirements below. The Certificate of Proficiency is not indicated on the student’s transcript.

CAREER OPPORTUNITIES

Entry-level to advanced biotechnology industry positions, lab technician in labs that assess commonalities and disparities between species.

PROGRAM LEARNING OUTCOMES

Upon successful completion of this program, students will be able to:
1. Perform good laboratory practices in a genomics lab.
2. Demonstrate basic laboratory skills for genomics.
3. Create and explain an original phylogenetic tree.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
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<td>BIOSC 30</td>
<td>Genomics Theory</td>
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<td>BIOSC 31</td>
<td>Advanced Genomics Theory</td>
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<td>BIOSC 42</td>
<td>Mining GenBank</td>
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<td><strong>Major Elective Courses</strong></td>
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<td>BIOSC 61</td>
<td>Sequence Analysis Using MacVector</td>
<td>1</td>
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<td>BIOSC 62</td>
<td>Methodologies in Phylogenetics Using PAUP</td>
<td>1</td>
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<tr>
<td>BIOSC 63</td>
<td>Introduction to Character Tracing Using MacClade</td>
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<tr>
<td>or</td>
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<tr>
<td>BIOSC 39</td>
<td>Comparative Genomics and Phylogenetics</td>
<td>4</td>
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<td><strong>Total Units</strong></td>
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## BIOSCIENCE (BIOSC)

### COURSES

#### BIOSC 1
**INTRODUCTION TO MICROSCOPY**
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: CIS 200 or 205 or equivalent, and ENGL 201A
Acceptable for credit: CSU

General survey of current microscopy technologies, including brightfield, epifluorescence, confocal, and electron microscopy: Operation of software, specimen preparation, live-cell imaging technologies, artifacts and troubleshooting, and careers in microscopy; laboratory includes hands-on experience with brightfield and digital fluorescence microscopes, and image processing using specialized software. 0430.00

#### BIOSC 9
**GENERAL HISTOLOGY**
5 units, 4 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisites: BIOL 2 or BIOL 020A
Acceptable for credit: CSU

Survey of mammalian histology with an emphasis on human histology: Overview of cells, cellular organelles; plant, animal, and human tissues and relationship to organ systems. 1205.00

#### BIOSC 12
**SEMINAR IN MICROSCOPY INTERNSHIP**
.5 units, 5 hours lecture (GR or P/NP)
Corequisite: COPED 484B
Acceptable for credit: CSU

Study of the specific competencies required in the Microscopy Internship program: Assessment, development, practicum, and evaluation of individual skills in a microscopy work setting. Course accompanies COPED 484B, Occupational Work Experience in Bioscience, and provides students with the additional tools needed to have a successful and productive internship experience. 0430.00

#### BIOSC 20
**EMERGING TECHNOLOGIES IN MICROSCOPY**
1 unit, 1 hour lecture (GR or P/NP)
Recommended preparation: BIOSC 2
Acceptable for credit: CSU

Seminar series: Guest speakers on latest developments in microscopy and digital imaging. 0430.00

#### BIOSC 22
**CAREERS IN BIOSCIENCE**
1 unit, 1 hour lecture (GR or P/NP)
Acceptable for Credit: CSU

Survey of careers in biotechnology, histotechnology, biomedical research, microscopy, and genomics: Career options, tours, networking opportunities and training, resume assistance, job hunting strategies, and hands-on activities. 0430.00

#### BIOSC 30
**GENOMICS THEORY**
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: BIOL 10 or equivalent
Acceptable for credit: CSU, UC

Introduction to genetics and genomic technologies: Principles of genetics and data collection (DNA and RNA structure, mitochondrial DNA, nucleic acid replication, protein synthesis, mitosis-meiosis, Mendelian principles, mutation, molecular character alignment, evolution and phylogenetic reconstruction), combined with data handling (bioinformatics mining using GenBank data), and scientific writing: guest speakers and on-site tours of genomics institutions and labs. 0430.00

#### BIOSC 31
**ADVANCED GENOMICS THEORY**
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: BIOL 10 or equivalent
Acceptable for credit: CSU, UC

Practice and theory of laboratory techniques: DNA extraction, polymerase chain reaction (PCR), primer design, DNA shearing, cloning, data handling, laboratory safety and good laboratory techniques, collection of new DNA data for publication in a scientific journal. 0430.00

#### BIOSC 32
**GOOD LABORATORY PRACTICES IN GENOMICS**
1 unit, .5 hours lecture, 1.5 hours laboratory (GR)
Corequisite: BIOSC 30
Recommended preparation: BIOL 10, and CIS 200 or CIS 205
Acceptable for credit: CSU

Introduction to good laboratory practices in genomics: EPA and FDA regulatory protocols and standard operating procedures for designing experiments; recording observations, analyzing and reporting results; safety, instrumentation, and equipment maintenance; and documenting and presenting project/ experiment results. 0430.00

#### BIOSC 33
**RESEARCH DESIGN IN GENOMICS**
1 unit, 1 hour lecture (GR or P/NP)
Prerequisite: BIOSC 30
Acceptable for credit: CSU

Introduction to research design: Biological research including investigation and development of a research question, and crafting a research plan to answer the question; literature searches and other research tools, critique of published research, and presentation of a research proposal. 0430.00
BIOSC 34  
WRITING FOR THE SCIENTIFIC JOURNAL  
3 units, 3 hours lecture (GR or P/NP)  
Prerequisite: BIOSC 30  
Recommended preparation: ENGL 1A  
Acceptable for credit: CSU  

Introduction to writing for the scientific journal: Writing, editing, and reviewing other’s work; comparison of private publications with that of society-based and open-access publications; using the Internet for data collection and analysis, copyright issues, and data-based referencing such as PubMed Central; deposition of data in archived web sites such as GenBank; writing a scientific manuscript, editing, the peer-review process, and interpretation of reviews. 0430.00  
AA/AS area 4d

BIOSC 35  
MICRO-ROBOTICS IN DNA SEQUENCING  
5 units, 4 hours lecture, 3 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU  

Introduction to use of small-scale instrumentation involved in DNA sequencing: Bar coding and project management, sterile technique and reagents and enzymes in DNA sequencing, software management techniques in capillary sequencers and auxiliary instrumentation software, and future of DNA sequencing. 0430.00

BIOSC 36  
SCIENTIFIC PRESENTATION  
3 units, 3 hours lecture (GR or P/NP)  
Prerequisite: BIOSC 30  
Acceptable for credit: CSU, UC  

Introduction to visual and oral communication skills necessary for presenting scientific research to the public: Developing a proposal, abstract, and poster presentation; emphasis on preparatory work such as the literature review, organizational and oral presentation skills, and ethics in presentations. 0430.00

BIOSC 37  
PRINCIPLES OF LONG POLYMERASE CHAIN REACTION (PCR)  
1 unit, .5 hours lecture, 1.5 hours laboratory (GR or P/NP)  
Recommended preparation: BIOSC 31  
Acceptable for credit: CSU  

Theoretical and practical methodology for the use of the polymerase chain reaction (PCR): Strategies for optimizing long-PCR performance including amplification of long fragments of DNA. 0430.00

BIOSC 40  
DNA SHEARING TECHNIQUES FOR SHOTGUN SEQUENCING IN GENOMICS  
1 unit, .5 hours lecture, 1.5 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU  

Shotgun sequencing and techniques using Covaris and the Hydroshear in DNA preparation. 0430.00

BIOSC 42  
MINING GENBANK  
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: CIS 1  
Acceptable for credit: CSU  

GenBank exploration and utility: Data submission and use of existing information available in GenBank. 0430.00

BIOSC 49  
INDEPENDENT STUDY IN BIOSCIENCES  
.5-.5 units (GR or P/NP)  
Acceptable for credit: CSU  

See section on Independent Study. 0430.00

BIOSC 50  
GENETIC DISEASES  
4 units, 4 hours lecture (GR or P/NP)  
Acceptable for credit: CSU, UC  

Survey of common genetic diseases which result from various mutations and chromosomal aberrations: Genetic modifiers and epigenetic factors as they relate to disease; review of basic Mendelian principles. 0430.00  
AA/AS area 1

BIOSC 51  
MEDICAL GENOMICS  
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: BIOL 10  
Acceptable for credit: CSU  

Survey of current trends in human genome study: Gene theory, potential and current treatment of human genetic diseases, ethics in science, the effect of next-generation sequencing on the human genome, and the effect human genomics will have on society in the future. 0430.00

BIOSC 55  
BEGINNING HISTOTECHNIQUES  
5 units, 3 hours lecture, 6 hours laboratory (GR)  
Prerequisite: BIOSC 2 and BIOSC 9 and CHEM 30A  
Acceptable for credit: CSU  

Practical applications and skill-building in tissue fixation: Processing, embedding, sectioning, hematoxylineosin staining, microorganism staining, quality control related to routine histological techniques and equipment management. 0430.00
**BIOSC 56**  
**ADVANCED HISTOTECHNIQUES**  
5 units, 3 hours lecture, 6 hours laboratory (GR)  
Prerequisite: BIOSC 55  
Acceptable for credit: CSU  
Practical applications of stains: Carbohydrates, amyloid, connective tissues, muscle and nervous tissues, silver stains, introduction to frozen sections, cytology preparation, microwave technology. 0430.00

**BIOSC 57**  
**ADVANCED IMMUNOHISTOCHEMISTRY**  
2 units, 1 hour lecture, 3 hours laboratory (GR)  
Acceptable for credit: CSU  
Principles and protocols in immunohistochemistry and transfection of mammalian cells: Advanced transfection techniques and immunohistochemistry protocols, antibodies, troubleshooting and emergent technologies. 0430.00

**BIOSC 58**  
**CYTOPREPARATION FOR THE HISTOTECHNICIAN**  
2 units, 1 hour lecture, 3 hours laboratory (GR)  
Recommended preparation: BIOL 2 or BIOL 4  
Acceptable for credit: CSU  
Study of cells and cellular preparations related to histotechnology: Applicable lab techniques such as smear tests, staining, and microscopic examination; lab safety; and specimen integrity. 0430.00

**BIOSC 59**  
**MY GENOME**  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for Credit: CSU  
Survey of genotypes, phenotypes and ancestry assessed through a student's personal genome. 4902.00

**BIOSC 60**  
**PERSONALIZED (DESKTOP) SEQUENCING**  
3 units, 2 hours lecture, 3 hours lab (GR or P/NP)  
Acceptable for credit: CSU  
Nanopore technology and applications: Set up for instrument operation, techniques for library creation, sample preparation, instrument operation and data analysis. 0430.00

**BIOSC 61**  
**SEQUENCE ANALYSIS USING MACVECTOR**  
1 unit, 1 hour lecture (GR or P/NP)  
Recommended preparation: CIS 1  
Acceptable for credit: CSU  
Proficiency in using MacVector software: Mining GenBank and preparation of GenBank files, clustal alignments, gene annotation, and frame orientation of protein-coding genes. 0430.00

**BIOSC 62**  
**METHODOLOGIES IN PHYLOGENETICS USING PAUP**  
1 unit, 1 hour lecture (GR)  
Acceptable for credit: CSU  
Introduction to PAUP software: Character vs. character states, parsimony, distance and the methods, shared ancestry vs. homoplasy (reversals vs. parallelisms). 0430.00

**BIOSC 63**  
**INTRODUCTION TO CHARACTER TRACING USING MACCLADE**  
1 unit, 1 hour lecture (GR)  
Acceptable for credit: CSU  
Introduction to MacClade software: Evolution of alternative character states and visual interface for phylogenetic trees. 0430.00

**BIOSC 72**  
**DNA SEQUENCING USING BRIDGE AMPLIFICATION FOR THE ILLUMINA HISEQ**  
3 units, 2 hours lecture, 3 hours laboratory (GR)  
Acceptable for credit: CSU  
DNA sequencing with the Illumina HiSeq: Techniques in bridge amplification, sample preparations and troubleshooting. 0430.00

**BIOSC 90**  
**INTERNSHIP IN GENOMICS**  
3 units, 1 hour lecture, 6 hours laboratory (GR or P/NP)  
Prerequisites: BIOSC 30, BIOSC 31, and BIOSC 32  
Acceptable for credit: CSU  
Study of the specific competencies required in the Genomics Internship program: Assessment, development, practicum, and evaluation of individual skills in a genomics work setting. 0430.00

**BIOSC 101**  
**THEORY AND PRACTICE OF MICROSCOPY**  
6 units, 4 hours lecture, 6 hours laboratory (GR)  
Eligible for credit by examination.  
Acceptable for Credit: CSU  
Comprehensive survey of cutting-edge biological microscopy: Theory of brightfield, fluorescence, and confocal microscopy; extensive hands-on experience with digital brightfield, phase, and epifluorescence microscopes; basics of specimen preparation and digital image processing; exploration of careers in biotech, research, and biomedical sciences; fundamentals of lab safety and industrial and biomedical quality control; and exploration of bioethics. 0430.00
BIOSC 102
**FLUORESCENCE MICROSCOPY AND SPECIMEN PREP**
6 units, 4 hours lecture, 6 hours laboratory (GR)
Eligible for credit by examination
Acceptable for Credit: CSU

Theory and practice of optical microscopy: Image optimization, troubleshooting; specimen prep including tissue culture, immunohistochemistry, and histotechnological stains; project-based hands-on learning with digital microscopes, including DIC, phase, dark field, and motorized widefield fluorescence; hands-on experience with mammalian cell culture and aseptic technique, indirect immunofluorescence, and H&E staining. 0430.00

BIOSC 103
**CONFOCAL MICROSCOPY AND RESEARCH DESIGN**
6 units, 4 hours lecture, 6 hours laboratory (GR)
Prerequisite: BIOSC 102
Eligible for credit by examination
Acceptable for Credit: CSU

Exploration of theory and practice of advanced fluorescence microscopy techniques: Confocal, deconvolution, multi photon, superresolution, and other emerging technologies; live imaging; quantitative microscopy and morphometry; introduction to experimental design; extensive hands-on training on all major brands of research microscopes, motorized imaging systems, and spectral confocal microscopes. 0430.00

BIOSC 104
**BIOSCIENCE PRACTICUM RESEARCH**
6 units, 4 hours lecture, 6 hours laboratory (GR)
Prerequisites: BIOSC 102
Recommended preparation: BIOSC 103
Eligible for credit by examination
Acceptable for Credit: CSU

Implementation of a research project in biosciences: Development of a written experimental plan; literature searches and other research tools; critique of published research; implementation of research plan using lab resources including motorized widefield fluorescence and confocal microscopes; data analysis; troubleshooting and redesign of experimental plan; written and oral presentation of results and conclusions. 0430.00
The Merritt College Business Department seeks to promote skill development, to foster productive attitudes and behaviors, to reinforce positive ethical and social conduct, and to provide a successful program in business education and industry employment. Merritt College’s business programs and courses provide opportunities for students to think critically, to engage in the analysis of workplace issues within the classroom setting, and to develop appreciation for diversity and cultural differences in the modern business world.

The department currently offers degrees and certificates that provide the educational credit necessary for students to transfer to 4-year colleges and universities or to enter the job market.

**Merritt College offers the following degree and certificate programs in Business:**

- **ACCOUNTING**
  - ASSOCIATE IN ARTS (AA) DEGREE
  - CERTIFICATE OF ACHIEVEMENT

- **ADMINISTRATIVE ASSISTANT**
  - ASSOCIATE IN ARTS (AA) DEGREE
  - CERTIFICATE OF ACHIEVEMENT

- **ADMINISTRATIVE OFFICE SYSTEMS AND APPLICATIONS**
  - ASSOCIATE IN ARTS (AA) DEGREE

- **BUSINESS ADMINISTRATION**
  - ASSOCIATE IN ARTS (AA) DEGREE
  - ASSOCIATE IN SCIENCE IN BUSINESS ADMINISTRATION FOR TRANSFER (AS-T) DEGREE

- **BUSINESS INFORMATION PROCESSING**
  - ASSOCIATE IN ARTS (AA) DEGREE
  - CERTIFICATE OF ACHIEVEMENT

- **BUSINESS MANAGEMENT**
  - CERTIFICATE OF ACHIEVEMENT

- **ENTREPRENEURSHIP**
  - CERTIFICATE OF PROFICIENCY

- **GENERAL BUSINESS**
  - ASSOCIATE IN ARTS (AA) DEGREE

- **HUMAN RESOURCE MANAGEMENT**
  - CERTIFICATE OF PROFICIENCY

- **LEGAL OFFICE ASSISTANT**
  - CERTIFICATE OF PROFICIENCY

- **RETAIL MANAGEMENT**
  - CERTIFICATE OF PROFICIENCY

- **SMALL BUSINESS MANAGEMENT**
  - CERTIFICATE OF PROFICIENCY
ACCOUNTING
ASSOCIATE IN ARTS (AA) DEGREE

DESCRIPTION
Accountants play an essential role in keeping businesses within their budgets, and this program offers real-world application of skills related to private accounting, institutional accounting, certified public accounting, and other career opportunities within the private and public sectors.

To qualify for the Associate in Arts in Accounting degree, students must satisfactorily complete the Degree Major requirements specified below and the local AA/AS General Education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS General Education requirements.

CAREER OPPORTUNITIES
Private accounting, institutional accounting, CPA, bank officer, consumer credit officer, financial analyst, financial planner, loan officer, insurance analyst, investment account executive.

PROGRAM LEARNING OUTCOMES

Upon successful completion of this program, students will be able to:

1. Synthesize business communication techniques to create, revise and evaluate verbal and written business messages.
2. Apply knowledge of financial accounting, including content, concepts and structure of the various statements for internal and external use.
3. Evaluate the process of identifying, gathering, measuring, summarizing and analyzing financial data in business organizations.

PROGRAM REQUIREMENTS

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<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<tbody>
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<td>Major Core Courses</td>
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<tr>
<td>BUS 1A</td>
<td>Financial Accounting</td>
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<td>BUS 1B</td>
<td>Managerial Accounting</td>
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<tr>
<td>BUS 10</td>
<td>Introduction to Business</td>
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<tr>
<td>ECON 1</td>
<td>Principles of Economics (Macro-Economics)</td>
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<tr>
<td>ECON 2</td>
<td>Principles of Economics (Micro-Economics)</td>
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<td>CIS 1</td>
<td>Introduction to Computer Information Systems</td>
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<td>Recommended Courses</td>
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<tr>
<td>BUS 2</td>
<td>Introduction to Business Law</td>
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<td>BUS 5</td>
<td>Human Relations in Business</td>
<td>(3)</td>
</tr>
<tr>
<td>BUS 70</td>
<td>Introduction to Marketing</td>
<td>(3)</td>
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</table>

| Major Requirements | 21 |
| Total Units        | 60 |
ACCOUNTING
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
Accountants play an essential role in keeping businesses within their budgets, and this program offers real-world application of skills related to private accounting, institutional accounting, certified public accounting, and other career opportunities within the private and public sectors. Merritt College Accounting program prepares students for employment in a wide variety of business accounting environments. A Certificate of Achievement will be awarded upon satisfactory completion of the certificate requirements specified below.

CAREER OPPORTUNITIES
Private accounting, institutional accounting, CPA, bank officer, consumer credit officer, financial analyst, financial planner, loan officer, insurance analyst, investment account executive.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Synthesize business communication techniques to create, revise and evaluate verbal and written business messages.
2. Apply knowledge of financial accounting, including content, concepts and structure of the various statements for internal and external use.
3. Evaluate the process of identifying, gathering, measuring, summarizing and analyzing financial data in business organizations.

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<tr>
<td>BUS 1B</td>
<td>Managerial Accounting</td>
<td>4</td>
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<tr>
<td>BUS 5</td>
<td>Human Relations in Business</td>
<td>3</td>
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<tr>
<td>BUS 10</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>CIS 1</td>
<td>Introduction to Computer Information Systems</td>
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<td>Major Elective Courses</td>
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<td>Select any additional BUS course for a total of 4 units</td>
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<td>Total Units</td>
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PROGRAMS

ADMINISTRATIVE ASSISTANT
ASSOCIATE IN ARTS (AA) DEGREE

DESCRIPTION
The Associate in Arts in Administrative Assistant degree program is designed to equip a student for employment as a valuable member in an organization with professional support skills. The student will learn how to support a business office through acquisition of organized and efficient skills in current office technology using Microsoft Office to develop business correspondence and prepare documents, reports, presentations, spreadsheets, and more.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Complete business projects via the integration of word processing, spreadsheet, database and presentation software.
2. Synthesize business communication techniques to create, revise and evaluate verbal and written business messages.
3. Demonstrate organizational management skills to complete work independently and in a group.

PROGRAM REQUIREMENTS

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<th>Units</th>
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<tbody>
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<td>Major Core Courses</td>
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<tr>
<td>BUS 5</td>
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<tr>
<td>BUS 20</td>
<td>General Accounting</td>
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<tr>
<td>and</td>
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<tr>
<td>CIS 1</td>
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<td>4</td>
</tr>
<tr>
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</tr>
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<td>Recommended Courses</td>
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<tr>
<td>ENGL 1A</td>
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<td>(4)</td>
</tr>
<tr>
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<td>Introduction to Statistics</td>
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<td>or</td>
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<td></td>
</tr>
<tr>
<td>MATH 203</td>
<td>Intermediate Algebra</td>
<td>(4)</td>
</tr>
</tbody>
</table>

Major Requirements 25-28
Total Units 60

Note: To qualify for the Administrative Assistant Associate in Arts degree, students must satisfactorily complete the major requirements specified above and the local AA/AS general education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS general education requirements.
PROGRAMS

ADMINISTRATIVE ASSISTANT CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
The Administrative Assistant program is designed to equip a student for employment as a valuable member in an organization with professional support skills. The student will learn how to support a business office through acquisition of organized and efficient skills in current office technology using Microsoft Office to develop business correspondence and prepare documents, reports, presentations, spreadsheets, and more.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Complete business projects via the integration of word processing, spreadsheet, database and presentation software.
2. Synthesize business communication techniques to create, revise and evaluate verbal and written business messages.
3. Demonstrate organizational management skills to complete work independently and in a group.

PROGRAM REQUIREMENTS

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<td><strong>Total Units</strong></td>
<td>60</td>
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</table>
ADMINISTRATIVE OFFICE SYSTEMS AND APPLICATIONS
ASSOCIATE IN ARTS (AA) DEGREE

DESCRIPTION
The Administrative Office Systems and Applications Associate in Arts degree program prepares students to work in an office environment of people and prepares students to assume positions as office managers, supervisors, or as assistants to top executives. These positions use a variety of office technology and computer-based applications (word processing, electronic mail, desktop publishing, presentation graphics, database, and spreadsheet). Classes emphasize technology, proofreading and editing, document formatting, electronic filing, transcription, human relations, and computerized 10-key. Students will develop administrative skills necessary to participate as part of the management team. Office management personnel assist in planning, organizing, and controlling the information related activities and in leading or directing people to attain the objectives of the organization. They support and help facilitate accurate communication and information exchange to internal and external customers on a timely basis.

To qualify for the Associate in Arts in Administrative Office Systems and Applications degree, students must satisfactorily complete the Degree Major requirements specified below and the local AA/AS General Education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS General Education requirements.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Manage office operations, including employee supervision, records management, supplies and equipment, administrative support, financial statements, and customer service.
2. Evaluate business projects and task lists to prioritize completion of work.
3. Complete business projects via the integration of word processing, spreadsheet, database and presentation software.
4. Utilize ethical decision-making processes to determine appropriate behavior.
# PROGRAMS

## ADMINISTRATIVE OFFICE SYSTEMS AND APPLICATIONS

### ASSOCIATE IN ARTS (AA) DEGREE

#### PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
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<td>BUS 20</td>
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<td>Occupational Work Experience in Administrative Office Systems &amp; Applications (1-4)</td>
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**Non-Course Requirement**

Typewriting proficiency required via credit by exam at 45 NWPM

**Recommended Courses**

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<thead>
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<tr>
<td>BUS 2</td>
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<td>BUS 50</td>
<td>Principles of Management</td>
<td>(3)</td>
</tr>
<tr>
<td>BUS 70</td>
<td>Introduction to Marketing</td>
<td>(3)</td>
</tr>
<tr>
<td>ECON 1</td>
<td>Principles of Economics (Macro Economics)</td>
<td>(3)</td>
</tr>
<tr>
<td>ECON 2</td>
<td>Principles of Economics (Micro Economics)</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Total Units**

60

**Major Requirements**

25 -27
PROGRAMS

BUSINESS ADMINISTRATION
ASSOCIATE IN ARTS (AA) DEGREE

DESCRIPTION
To qualify for the Associate in Arts in Business Administration degree, students must satisfactorily complete the Degree Major requirements specified below and the local AA/AS General Education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS General Education requirements.

NOTE: Students should see a counselor at least once each semester to plan for their educational goal(s).

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Evaluate business functions, practices, and related theories to address business problems.
2. Synthesize quantitative and technological skills to analyze and interpret business data.
3. Write clear, concise and structured business plans with supportive documentation and data.
4. Identify and demonstrate accepted business practices that show cultural sensitivity.
5. Demonstrate knowledge of the current legal and regulatory business environment.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>BUS 1A</td>
<td>Financial Accounting</td>
<td>4</td>
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<td>BUS 1B</td>
<td>Managerial Accounting</td>
<td>4</td>
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<tr>
<td>BUS 2</td>
<td>Introduction to Business Law</td>
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<td>CIS 1</td>
<td>Introduction to Computer Information Systems</td>
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<td>ECON 1</td>
<td>Principles of Economics (Macro-Economics)</td>
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<td>BUS 20</td>
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<td>(3)</td>
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<tr>
<td>BUS 70</td>
<td>Introduction to Marketing</td>
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</tr>
<tr>
<td>BUS 74</td>
<td>Introduction to Advertising</td>
<td>(3)</td>
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</tbody>
</table>

**Major Requirements** 21

**Total Units** 60
BUSINESS ADMINISTRATION
ASSOCIATE IN SCIENCE IN BUSINESS ADMINISTRATION
FOR TRANSFER (AS-T) DEGREE

DESCRIPTION
The Business Administration degree is designed to provide a foundation for students to prepare for a seamless transfer with junior status and priority admission to their local CSU campus to a program or major in Business Administration for completion of a baccalaureate degree.

Students wishing to pursue the Associate in Science in Business Administration for Transfer must complete 60 units of coursework eligible for transfer to the California State University, including:
- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements
- 18 units of major coursework in Speech Communication, as detailed below
- No more than 60 semester units are required.

Students planning to transfer to a four year institution are advised to consult a counselor for selection of appropriate business and general education courses. Students must maintain a minimum 2.0 GPA, including grades of C or higher in each course taken to fulfill the major.

CAREER OPPORTUNITIES
Career opportunities depend on the student's area of specialization—marketing, management, business, etc.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Write clear, concise and structured business plans with supportive documentation and data.
2. Identify and demonstrate accepted practices that show cultural sensitivity.
3. Pursue and evaluate knowledge through the skills of inquiry, research, critical thinking and problem solving.
4. Communicate effectively in both speech and writing.
5. Understand and appreciate diversity and develop a worldview informed by multicultural and global perspectives

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
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<td>MATH 13</td>
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<td>MATH 16A</td>
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</table>

Major Requirements: 28

General Education (CSU GE or IGETC): 32

Electives (CSU transferable): 0

Total Units: 60
PROGRAMS

BUSINESS INFORMATION PROCESSING
ASSOCIATE IN ARTS (AA) DEGREE

DESCRIPTION
Students in this program acquire proficiency working with computer technology, business software applications and managing business information processing needs with current Office software applications, Internet & web work via business correspondence & a variety of documents, presentation graphics, database management, spreadsheet creation, integration of applications, and business resource and support departments.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Utilize office technology to compose and format business documents.
2. Integrate the use of word processing, spreadsheet, database, presentation, and electronic communication software to complete business tasks.
3. Demonstrate technological communication and problem-solving skills in a business setting.

PROGRAM REQUIREMENTS

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<td>Spreadsheet Applications</td>
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<tr>
<td>CIS 234A</td>
<td>World Wide Web Publishing I</td>
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<tr>
<td>CIS 234D</td>
<td>Web Authoring</td>
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<tr>
<td>CIS 234E</td>
<td>Creating an E-Commerce Web Site</td>
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<tr>
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<td>Interpersonal Communication Skills</td>
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<td>Recommended Courses</td>
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<td>BUS 54</td>
<td>Small Business Management</td>
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<td>Introduction to Marketing</td>
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<td>BUS 74</td>
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<tr>
<td>Total Units 60</td>
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</table>

Note: To qualify for the Business Information Processing Associate in Arts degree, students must satisfactorily complete the major requirements specified above and the local AA/AS general education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS general education requirements.
BUSINESS INFORMATION PROCESSING
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
Students in this program acquire proficiency working with computer technology, business software applications and managing business information processing needs with current Office software applications, Internet & web work via business correspondence & a variety of documents, presentation graphics, database management, spreadsheet creation, integration of applications, and business resource and support departments.

A Certificate of Achievement will be awarded upon satisfactory completion of the certificate requirements specified below.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Utilize office technology to compose and format business documents.
2. Integrate the use of word processing, spreadsheet, database, presentation, and electronic communication software to complete business tasks.
3. Demonstrate technological communication and problem-solving skills in a business setting.

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Non-Course Requirement
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Recommended Courses

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Major Requirements 28-29
PROGRAMS

BUSINESS MANAGEMENT
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
The Business Management program involves the coordinating of efforts and resources within an office, department, organization or company to achieve defined objectives. The certificate includes core course requirements and the choice between two areas of emphasis: Human Resources Management or Entrepreneurship/Small Business Management. The Human Resources Management area of emphasis allows students to explore the human resources management field as a career choice and gain an entry-level support position in a human resources department. The Entrepreneurship/Small Business Management is designed to aid students who want to own their own business or who work for small or virtual businesses.

A Certificate of Achievement will be awarded upon satisfactory completion of the core certificate requirements and the requirements for one emphasis specified below.

CAREER OPPORTUNITIES
Career opportunities may include General/operations manager and office manager.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program students will be able to:
1. Synthesize business communication techniques to create, revise and evaluate verbal and written business messages.
2. Research and evaluate business plans that can be used for planning and financing.
3. Employ appropriate management, finance, accounting, and marketing techniques required to operate a business.

PROGRAM REQUIREMENTS

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Select one of the following areas of emphasis for 9 units:

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<tbody>
<tr>
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<td>BUS 56</td>
<td>3</td>
</tr>
</tbody>
</table>

or

<table>
<thead>
<tr>
<th>Area B: Entrepreneurship/Small Business Management</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 54</td>
<td>3</td>
</tr>
<tr>
<td>BUS 52</td>
<td>3</td>
</tr>
<tr>
<td>BUS 56</td>
<td>3</td>
</tr>
</tbody>
</table>

**Major Requirements** 22-23
ENTREPRENEURSHIP
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Entrepreneurship Certificate of Proficiency Program is designed to develop, prepare, and produce entrepreneurs to start and grow successful businesses and fuel economic growth by providing instruction in entrepreneurial culture, strategy, operations, financial management, social marketing and leadership. Coursework includes developing a student’s ability to make informed decisions as future business owners, entrepreneurial concepts learned in innovation and creativity, business funding, computers and marketing. Through these skills, students will have a sound education base in entrepreneurship for lifelong learning.

CAREER OPPORTUNITIES
Career opportunities include Home Based Businessperson, Intern to Film Producer/Entrepreneur, Web Developer, Writer/blogger, Social Entrepreneur, Political Entrepreneur and Virtual Administrative Entrepreneur.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Analyze the variety of entrepreneurial opportunities available in the United States.
2. Develop strategies to exploit entrepreneurial opportunities and evaluate and analyze alternative strategies and assess risk.
3. Identify and understand accounting concepts that enable student to interpret financial data and use it to make informed decisions about the operating performance and financial position of a company.
4. Apply leadership and workplace relationship skills that will enable them to deal with customer, employee, and supplier issues.
5. Identify successful marketing efforts that will enable the business to succeed.
6. Complete a comprehensive business plan that will enable the business to secure adequate financing by applying knowledge of computer applications, including word processing, spreadsheets, web and social media.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Core Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS 1A</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>or BUS 20</td>
<td>General Accounting</td>
<td>3</td>
</tr>
<tr>
<td>or BUS 80</td>
<td>Financial Literacy</td>
<td>2</td>
</tr>
<tr>
<td>and BUS 10</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 54</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 76</td>
<td>E-Commerce/Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>CIS 1</td>
<td>Introduction to Computer Information Systems</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Units** 15-17
GENERAL BUSINESS
ASSOCIATE IN ARTS (AA) DEGREE

DESCRIPTION
To qualify for the Associate in Arts in General Business degree, students must satisfactorily complete the Degree Major requirements specified below and the local AA/AS General Education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS General Education requirements.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Analyze how functions within business (marketing, management, operations, human relations, accounting, finance, and business law) interact to achieve organizational goals.
2. Employ appropriate management, finance, accounting, and marketing techniques required to operate a business.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Core Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS 1A</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 2</td>
<td>Introduction to Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BUS 5</td>
<td>Human Relations in Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 10</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 70</td>
<td>Introduction to Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ECON 1</td>
<td>Principles of Economics (Macro-Economics)</td>
<td>3</td>
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<tr>
<td>Recommended Courses</td>
<td></td>
<td></td>
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<tr>
<td>BUS 1B</td>
<td>Managerial Accounting</td>
<td>(4)</td>
</tr>
<tr>
<td>BUS 20</td>
<td>General Accounting</td>
<td>(3)</td>
</tr>
<tr>
<td>BUS 54</td>
<td>Small Business Management</td>
<td>(3)</td>
</tr>
<tr>
<td>BUS 74</td>
<td>Introduction to Advertising</td>
<td>(3)</td>
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<tr>
<td>Major Requirements</td>
<td>19</td>
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<td>Total Units</td>
<td>60</td>
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</tr>
</tbody>
</table>
PROGRAMS

HUMAN RESOURCE MANAGEMENT
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Human Resource Management certificate program allows students to explore human resource management as a career choice and gain an entry-level support position in a human resource department. Students may further their education by completing Business transfer degree requirements in Business Administration, Business Management, or related fields.

CAREER OPPORTUNITIES
Career change and/or advancement opportunities. Possibly a specialized emphasis in a BA Business degree program (re-entry for transfer).

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Analyze how primary functions within business interact to achieve organizational goals.
2. Apply solutions and leadership to human resource management issues.
3. Identify and demonstrate accepted business practices that show cultural sensitivity.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Major Core Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS 2</td>
<td>Introduction to Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BUS 51</td>
<td>Supervisory Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 52</td>
<td>Psychology and Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>BUS 56</td>
<td>Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>COMM 20</td>
<td>Interpersonal Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>
LEGAL OFFICE ASSISTANT
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Legal Office Assistant certificate program is designed to qualify a student for immediate employment as a Legal Office Assistant in a legal office. Training includes computer application skills in word processing, spreadsheets, database and presentation software, and a basic introduction to the legal profession, law office management, and legal research. Students may further their education by completing Business transfer degree requirements in Business Administration, Business Management or related fields.

A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Apply the operation of state-of-the-art industry equipment and software to accomplish work-related tasks accurately and productively in an office environment.
2. Utilize oral, written and interpersonal communication skills necessary to work effectively with people in the legal field.
3. Demonstrate analytical skills and techniques necessary to organize, prioritize and manage information flow in an office setting.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Major Core Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIS 1</td>
<td>Introduction to Computer Information Systems</td>
<td>4</td>
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<tr>
<td>or</td>
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<tr>
<td>CIS 5</td>
<td>Introduction to Computer Science</td>
<td>5</td>
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<tr>
<td>and</td>
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<tr>
<td>COMM 20</td>
<td>Interpersonal Communication Skills</td>
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<tr>
<td>PARLG 1</td>
<td>Law and the Legal Profession</td>
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<tr>
<td>PARLG 4</td>
<td>Law Office Management</td>
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<tr>
<td>PARLG 6</td>
<td>Legal Research</td>
<td>3</td>
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</tbody>
</table>

Non-course Requirement
Require typewriting proficiency via credit by exam at 45 NWPM for graduation.

Recommended Courses

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>COPED 450</td>
<td>General Work Experience</td>
<td>(1-3)</td>
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<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COPED 474</td>
<td>Occupational Work Experience in Paralegal Studies</td>
<td>(1-4)</td>
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</tbody>
</table>

Total Units 15-16
RETAIL MANAGEMENT
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Retail Management certificate program is designed to prepare students for an entry-level trainee position as a retail manager in charge of an individual retail shop or department. Retail managers ensure that retail establishments run efficiently and effectively; they also hire, train, and supervise employees. Students may further their education by completing Business transfer degree requirements in Business Administration, Business Management of related fields.

CAREER OPPORTUNITIES
Career opportunities include assistant department manager, assistant department buyer, sales and sales service.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Apply solutions and leadership to retail management issues.
2. Employ appropriate management, finance, accounting and marketing techniques required to operate a business.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>Major Core Courses</td>
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<td></td>
</tr>
<tr>
<td>BUS 1A</td>
<td>Financial Accounting</td>
<td>4</td>
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<tr>
<td>or</td>
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</tr>
<tr>
<td>BUS 20</td>
<td>General Accounting</td>
<td>3</td>
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<td>and</td>
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<td></td>
</tr>
<tr>
<td>BUS 10</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 70</td>
<td>Introduction to Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 72</td>
<td>Principles of Retailing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 74</td>
<td>Introduction to Advertising</td>
<td>3</td>
</tr>
<tr>
<td>COPED 456E</td>
<td>Occupational Work Experience in General Business</td>
<td>1</td>
</tr>
<tr>
<td>Total Units</td>
<td></td>
<td>16-17</td>
</tr>
</tbody>
</table>

Merritt College Catalog 2019-2020
PROGRAMS

SMALL BUSINESS MANAGEMENT
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Small Business Management certificate program is designed to aid those students who already manage their own business, are contemplating starting their own businesses, or who work for a small business concern. This program provides basic knowledge in the fields of accounting, marketing, and management. Students may further their education by completing Business transfer degree requirements in Business Administration, Business Management or related fields.

CAREER OPPORTUNITIES
Career opportunities include operating a sole proprietorship and becoming an entrepreneur.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Analyze how primary functions within business interact to achieve organizational goals.
2. Analyze and evaluate the feasibility of success when starting a new small business venture.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>Major Core Courses</td>
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</tr>
<tr>
<td>BUS 1A</td>
<td>Financial Accounting</td>
<td>4</td>
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<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS 20</td>
<td>General Accounting</td>
<td>3</td>
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<tr>
<td>and</td>
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</tr>
<tr>
<td>BUS 2</td>
<td>Introduction to Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BUS 10</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 54</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 70</td>
<td>Introduction to Marketing</td>
<td>3</td>
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<tr>
<td></td>
<td>Total Units</td>
<td>15-16</td>
</tr>
</tbody>
</table>
BUSINESS (BUS) PROGRAMS AND COURSES

BUSINESS

BUS 1A
FINANCIAL ACCOUNTING
4 units, 4 hours lecture (GR)
Acceptable for credit: CSU, UC

Study of purpose, theory, and specific methods of accounting: Systems and methods employed in accumulating data for financial statements; income measurement including cost measurement, classification and expiration; revenue recognition and measurement. 0502.00

BUS 1B
MANAGERIAL ACCOUNTING
4 units, 4 hours lecture (GR)
Prerequisite: BUS 1A
Acceptable for credit: CSU, UC

Uses of accounting data for planning, controlling, and decision making: Sources of business funds, cost systems and analysis, forecasting and budgeting; analysis, uses, and limitations of financial statements and reports. 0502.00 C-ID: ACCT 120

BUS 2
INTRODUCTION TO BUSINESS LAW
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC

General survey of business law: Principles of law on contracts, sales agency, torts, partnerships and corporations, and the uniform commercial code. 0501.00

BUS 3
INTRODUCTION TO ENTERTAINMENT LAW
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU

Legal issues involved in the entertainment business: focus primarily on television, music and film segments covering licensing and publishing, intellectual property and infringement, music sampling and the law, demystifying entertainment contracts, privacy, and negotiation strategies and relationships between parties. 0505.00

BUS 5
HUMAN RELATIONS IN BUSINESS
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Application of behavioral science concepts to human problems in organizations: Action necessary to prevent and resolve problems among individuals within groups; application of logical decision-making techniques. 0501.00 AA/AS area 2

BUS 10
INTRODUCTION TO BUSINESS
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC

Survey of various phases of business, organization, finance, personnel, production, marketing, managerial controls, and government-business relations. 0501.00

BUS 20
GENERAL ACCOUNTING
3 units, 3 hours lecture (GR)
Not open for credit to students who have completed or are currently enrolled in BUS 1A or 1B.
Acceptable for credit: CSU

Theory and practice of accounting: Double-entry process on accrual basis; complete accounting cycle with use of work sheet and preparation of end-of-the-year financial statements; petty cash, banking procedures, notes, drafts, and introduction to payroll taxes. 0502.00

BUS 49
INDDEPENDENT STUDY IN BUSINESS
.5-5 units (GR or P/NP)
Acceptable for credit: CSU

See section on Independent Study. 0501.00

BUS 50
PRINCIPLES OF MANAGEMENT
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU

Modern theories of management and organizational design and behavior: Evolution of management as an art and as a science, techniques of effectively managing human and economic resources, and social responsibilities of business. 0506.00

BUS 51
SUPERVISORY MANAGEMENT
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU

Designed for persons employed as supervisors or with potential employment as supervisors: Supervisor’s role, training, grievances, cost control, and human relations. 0506.00
BUS 52  
PSYCHOLOGY AND HUMAN RELATIONS  
3 units, 3 hours lecture (GR)  
Acceptable for credit: CSU  
Introduction to the application of business psychology and the impact of employee behavioral issues on organizational performance and relationships within an organization: Individuals’ basic drives, motivation, derived needs, reactions and responses, personality and personality traits, emotions, frustrations, attitudes, and other behavioral factors as they apply to business situations; processes, assessment tools, and techniques that foster respect, trust, and sustained collaboration. 0506.00  
AA/AS area 2; CSU area D, E

BUS 53  
PERSONNEL MANAGEMENT  
3 units, 3 hours lecture (GR)  
Acceptable for credit: CSU  
Examination of a broad range of problems involved in effective management of an organization’s human resources: Employment interviews, employee records, wage and salary administration, industrial relations, on-the-job training programs, promotions and transfers, motivation and incentives, and state/federal laws regulating employment relationships. 0506.00

BUS 54  
SMALL BUSINESS MANAGEMENT  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Overview of the factors involved in starting or growing a business: Business plan development; marketing, sales, and promotional strategies; financial management and forecasting techniques; human resources management; and information systems management. 0506.40

BUS 56  
HUMAN RESOURCES MANAGEMENT  
3 units, 3 hours lecture (GR)  
Acceptable for credit: CSU  
Introduction to human resources management: Impact and accountability to the organization in human resource activities, global human resources strategies, social and organizational realities, legal implications affecting people at work, union/non-union practices, comparable work, employee compensation and benefits, and employee rights. 0506.00

BUS 70  
INTRODUCTION TO MARKETING  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Introduction to integrated marketing strategies: Identification and satisfaction of customers’ wants and needs with products (goods and/or services), price, place, and promotional strategies; customer relationship management; integration of marketing into strategic business plans. 0509.00

BUS 72  
PRINCIPLES OF RETAILING  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Retail stores from management’s perspective: Principles and practices used in merchandising, operational problems of the firm, trends in merchandising, case-method techniques of actual on-the-job problems. 0506.50

BUS 74  
INTRODUCTION TO ADVERTISING  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Survey of advertising in business: Marketing research, techniques in copywriting and art, advertising media, advertising agencies and campaigns, and current developments. 0509.10

BUS 76  
E-COMMERCE/ENTREPRENEURSHIP  
3 units, 3 hours lecture (GR)  
Acceptable for credit: CSU  
Introduction to principles of international e-commerce and entrepreneurship: Emphasis on developing a business plan for conducting online commerce, market analysis, product access, payment methods, promotion, and back-end technology requirements for creating an e-commerce site. 0509.70

BUS 80  
FINANCIAL LITERACY  
2 units, 2 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Financial issues and challenges for college students: Basics of financial literacy, bad debt, spending plans, non-traditional financial services, consumer economics, buying and selling stocks, mutual fund options, investing in education, planning for the future, purchasing a first home, taxes and tax planning, insurance, estate and retirement planning, and keeping money in perspective. 0501.00
Chemistry is a central and significant program on campus. The mission of the Chemistry Department is to provide students with a strong foundation in chemistry in an accessible, engaging manner. This foundation aims to serve students in their future programs of study and aligns with all aspects of the college mission statement.

Many students who study chemistry pursue careers in medicine, health, engineering; industrial, governmental, and environmental agencies; and, education.

**CHEMISTRY**

**CHEM 1A**
**GENERAL CHEMISTRY**
5 units, 3 hours lecture, 3 hours lecture-demonstration, 3 hours laboratory (GR)
Prerequisite: Satisfactory score on the chemistry assessment or CHEM 30A or CHEM 50; and satisfactory score on the math assessment or MATH 203 or MATH 211A-D
Recommended preparation: CHEM 30A or 50
Acceptable for credit: CSU, UC
General principles of chemistry: Measurements, atomic theory, chemical nomenclature, chemical composition, stoichiometry, reactions in aqueous solution, thermochemistry, electron configurations, periodic properties, chemical bonding, gases, liquids, solids, and solutions. 1905.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C
C-ID: CHEM 110, CHEM 120S (with CHEM 1B)

**CHEM 1B**
**GENERAL CHEMISTRY**
5 units, 3 hours lecture, 3 hours lecture-demonstration, 3 hours laboratory (GR or P/NP)
Prerequisite: CHEM 1A
Acceptable for credit: CSU, UC
General principles of chemistry: Kinetics, equilibrium, acid-base equilibria, buffers, solubility equilibria, entropy and free energy, electro-chemistry, nuclear chemistry, coordination chemistry, and an introduction to organic chemistry. 1905.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C
C-ID: CHEM 120S (with CHEM 1A)

**CHEM 12A**
**ORGANIC CHEMISTRY**
5 units, 3 hours lecture, 6 hours laboratory (GR)
Prerequisite: CHEM 1B
Students who have previously completed CHEM 8A receive only 1 unit of credit for CHEM 12A.
Acceptable for credit: CSU, UC
Introduction to structures, nomenclature, properties, and reactions of carbon compounds: Hydrocarbons, monofunctional and polyfunctional compounds; emphasis on structures and mechanisms, spectroscopy, and other analytical techniques. Laboratory work includes reactions, purification techniques, measurements, qualitative analysis, and use of instrumentation. 1905.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C
C-ID: CHEM 150, CHEM 160S (with CHEM 12B)

**CHEM 12B**
**ORGANIC CHEMISTRY**
5 units, 3 hours lecture, 6 hours laboratory (GR)
Prerequisite: CHEM 12A
Students who have previously completed CHEM 8B receive only 1 unit of credit for CHEM 12B.
Acceptable for credit: CSU, UC
Continuation of CHEM 12A: Reactions of functional groups and interactions of polyfunctional compounds, infrared spectroscopy, nuclear magnetic resonance, mass spectrometry, ultraviolet-visible spectroscopy. Introduction to biochemistry: Lipids, carbohydrates, proteins, nucleic acids. Laboratory work includes reactions, purification methods, measurements, multistep syntheses, qualitative analysis, and use of instrumentation. 1905.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C
C-ID: CHEM 160S (with CHEM 12A)

**CHEM 30A**
**INTRODUCTORY GENERAL CHEMISTRY**
4 units, 3 hours lecture, 3 hours laboratory (GR or P/ NP)
Prerequisite: MATH 201 or MATH 210D or (MATH 204B)
Acceptable for credit: CSU, UC
Fundamental principles of inorganic chemistry: Metric measurements, matter and energy, atomic structure, chemical nomenclature, chemical bonding, chemical reactions, stoichiometry, gas laws, nuclear chemistry, properties of liquids, solids, solutions, acids and bases. 1905.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C
C-ID: CHEM 101

**CHEM 30B**
**INTRODUCTORY ORGANIC AND BIOCHEMISTRY**
4 units, 3 hours lecture, 3 hours laboratory (GR or P/ NP)
Prerequisite: CHEM 30A
Acceptable for credit: CSU, UC
Introduction to basic organic chemistry and biochemistry: Hydrocarbons; organic functional groups, nomenclature, and reactions; polymers, carbohydrates, proteins, enzymes, lipids, nucleic acids, protein synthesis, and metabolic pathways. 1905.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C
C-ID: CHEM 150, CHEM 160S (with CHEM 12B)
Merritt College Child Development Programs prepare effective early care and education professionals to provide quality programs and services to children, families, and the community.

Classes prepare students to function in a variety of early care and education careers including family child care, center-based care, and other careers related to children and families. Perspectives on maturation, developmentally appropriate practices, and professional advancement within the early care and education field receive primary concentration. Current theory and research, cultural influences, practical applications, and a supervised laboratory preschool experience are connected to enable students to discover their most effective and unique role with children. Courses are offered during the day and evenings and on weekends to meet the needs of our students.

In addition, the Associate in Science in Early Childhood Education (ECE) for Transfer degree (AS-T) and the Associate in Arts in Child Development (AA) degree, and credit/noncredit certificates in child development offer flexibility to students with varying educational goals. These degree and certificate programs offer extended learning opportunities for employees who wish to continue their education and upgrade their skills. Students completing the degree and/or certificate options meet the requirements mandated by state and local regulatory agencies.

Merritt College offers the following degree and certificate programs in Child Development:

**EARLY CHILDHOOD EDUCATION**
- ASSOCIATE IN SCIENCE IN EARLY CHILDHOOD EDUCATION FOR TRANSFER (AS-T) DEGREE

**CHILD DEVELOPMENT**
- ASSOCIATE IN ARTS (AA) DEGREE

**TEACHER**
- CERTIFICATE OF ACHIEVEMENT

**ASSISTANT TEACHER**
- CERTIFICATE OF PROFICIENCY

**ASSOCIATE TEACHER**
- CERTIFICATE OF PROFICIENCY

**FAMILY CHILD CARE PROVIDER**
- CERTIFICATE OF PROFICIENCY

**INFANT/TODDLER SPECIALIST**
- CERTIFICATE OF PROFICIENCY

**INTRODUCTION TO INFANT/ TODDLER CARE**
- CERTIFICATE OF COMPLETION

**INTRODUCTION TO EARLY CHILDHOOD EDUCATION FOR FAMILY CHILD CARE PROVIDERS**
- CERTIFICATE OF COMPLETION
EARLY CHILDHOOD EDUCATION (ECE)  
ASSOCIATE IN SCIENCE IN EARLY CHILDHOOD EDUCATION  
FOR TRANSFER (AS-T) DEGREE  

DESCRIPTION  
The Associate in Science in Early Childhood Education (ECE) for Transfer (AS-T) degree is intended to meet the lower division requirements for ECE majors (or majors that have been deemed similar in the CSU system).  
The AS-T degree prepares students to function in a variety of early childhood programs and services and is for students who seek to transfer to a California State University institution or to prepare for a career in early childhood education by meeting the requirements to work in public or private child care facilities.  
Successful completion of the program with a minimum G.P.A. of 2.0 affords students specific guarantees for transfer to the CSU system such as admission to a CSU with junior status, priority admission to their local CSU campus and to a program or major in ECE or similar major. Students interested in the Associate in Science in Early Childhood Education for Transfer degree should consult with the Child Development Department Chair and a counselor.  
All Associate Degrees for Transfer (ADT) require the completion and certification of the California State University General Education Pattern (CSU-GE) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern, as well as the specific ADT major degree requirements. Associate Degrees for Transfer do not require any additional college specific General Education requirements.  
As required by Senate Bill (SB) 1440 (Padilla) and California Education Code (CEC) section 66746(a), Associate Degrees for Transfer require:  
1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University.  
2. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.  
3. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.  
4. Obtainment of a minimum grade point average of 2.0.  
5. A grade of "C" or better in all courses required for the major or area of emphasis.  
In addition, CEC section 66746 subdivision (b) prohibits a community college district from imposing any additional course requirements, in addition to these requirements, for a student to be eligible for the associate degree for transfer, and subdivision (e) prohibits allowing remedial non-collegiate level coursework to be counted toward the units required for the associate degree for transfer (AA-T or AS-T). Title 5 section 55002(b) describes such courses as non-degree applicable credit courses.  

CAREER OPPORTUNITIES  
The Early Childhood Education AS-T program prepares students to function in a variety of early childhood programs and services. The program is for those who seek to prepare for a career in early childhood education/child development by meeting the requirement to work in public or private child care facilities or to transfer to a four year college or university. Those completing the AS-T in Early Childhood Education will be able to transfer to the California State University (CSU) campuses that prepare them for advanced study in a variety of graduate programs, as well as a variety of careers such as teaching, Child Development Specialist, Program Directors and Child Life Specialists. With a BA in ECE/Child Development, students are eligible for the Master Teacher and Site Supervisor levels of the CA Child Development Permit, using the Alternative Qualifications category.  

PROGRAM LEARNING OUTCOMES  
Upon successful completion of this program, students will be able to:  
1. Demonstrate developmentally and culturally appropriate practice, including managing the physical, temporal and interpersonal environments.  
3. Communicate effectively orally, and in writing, in a child care setting with children, families and co-workers.  
4. Work independently, and as a team member, in an effective manner while continuously strengthening leadership skills.  
5. Advocate within the community for continued support of children and families.
## PROGRAMS

### EARLY CHILDHOOD EDUCATION (ECE)
ASSOCIATE IN SCIENCE IN EARLY CHILDHOOD EDUCATION
FOR TRANSFER (AS-T) DEGREE

### PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Core Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHDEV 50</td>
<td>Principles and Practices of Teaching Young Children</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 51</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 52</td>
<td>Observation and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 53</td>
<td>The Child, the Family and the Community</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 54B</td>
<td>Introduction to Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 55A</td>
<td>Practicum-Field Experience</td>
<td>5</td>
</tr>
<tr>
<td>CHDEV 74</td>
<td>Health, Safety and Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 80</td>
<td>Teaching in a Diverse Society</td>
<td>3</td>
</tr>
</tbody>
</table>

**Major Requirements** 26

**General Education (CSU GE or IGETC)** 37-39

**Electives (CSU transferable)** 0-7

**Total Units** 60
DESCRIPTION
This program is designed for students desiring to transfer to a four-year college or to meet requirements to work in public or private childcare facilities. The AA degree in Child Development will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements. The Child Development AA degree includes the State Curriculum Alignment Project (CAP) courses. The program conforms to regulatory agency guidelines and offers several options as specified below.

CAREER OPPORTUNITIES
Career opportunities include jobs in the field of Early Care and Education.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Demonstrate developmentally and culturally appropriate practice, including managing the physical, temporal and interpersonal environments
2. Assess the learning environment and the children, using standard assessment tools to form plans of action
3. Communicate effectively orally, and in writing, in a child care setting with children, families and co-workers
4. Work independently, and as a team member, in an effective manner while continuously strengthening leadership skills
5. Apply developmentally and culturally sensitive strategies to support social-emotional competence in early childhood settings.

PROGRAM REQUIREMENTS:

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHDEV 50</td>
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<tr>
<td>CHDEV 54A</td>
<td>Social Emotional Foundations for Early Learning</td>
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<td>CHDEV 54B</td>
<td>Introduction to Curriculum</td>
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<td>Practicum-Field Experience</td>
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</tr>
<tr>
<td>CHDEV 80</td>
<td>Teaching in a Diverse Society</td>
<td>3</td>
</tr>
</tbody>
</table>

Major Elective Courses
Select one course for 3 units from the following. A maximum of 1 unit combined from any Emergent Topics course can be applied toward the Child Development AA degree major.

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CHDEV 55C</td>
<td>Advanced Practicum-Field Experience</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 60</td>
<td>Emergent Literacy and Children's Literature</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 61</td>
<td>Advanced Curriculum Development</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 62</td>
<td>Overview of Operations of Family Child Care</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 68</td>
<td>Play-Based Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 84</td>
<td>Curriculum and Strategies for Children with Special Needs</td>
<td>3</td>
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</tbody>
</table>

Major Requirements | 32  
Total Units       | 60

Note: To qualify for the Child Development Associate in Arts degree, students must satisfactorily complete the major requirements specified above and the local AA/AS general education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS general education requirements.
### PROGRAMS

#### TEACHER

**CERTIFICATE OF ACHIEVEMENT**

**DESCRIPTION**

The Teacher certificate program is designed to prepare students for Head Teacher-level work in public or private childcare facilities. The option builds on the introductory skills and knowledge base that is needed to work in Early Care and Education through 12 additional Child Development units including observation and assessment, emergent literacy, operations of family child care, health, safety and nutrition and special needs. A Certificate of Achievement will be awarded upon satisfactory completion of the courses specified below. A Certificate of Achievement is indicated on the student's transcript.

**CAREER OPPORTUNITIES**

Career opportunities include jobs in the field of Early Care and Education.

**PROGRAM LEARNING OUTCOMES**

Upon successful completion of this program, students will be able to:

1. Identify & evaluate developmentally and culturally appropriate practices in the physical, temporal and interpersonal environments.
2. Communicate effectively orally, and in writing on relevant topics in the field of Early Care and Education.
3. Work independently, and as a team member, in an effective manner.

**PROGRAM REQUIREMENTS**

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHDEV 51</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 53</td>
<td>The Child, the Family and the Community</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 54A</td>
<td>Social Emotional Foundations for Early Learning</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 54B</td>
<td>Introduction to Curriculum</td>
<td>3</td>
</tr>
</tbody>
</table>

**These courses match the course requirements on the Child Development Permit Matrix for Teacher.**

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHDEV 50</td>
<td>Principles and Practices of Teaching Young Children</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 52</td>
<td>Observation and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 55A</td>
<td>Practicum-Field Experience</td>
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<td>CHDEV 55C</td>
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<td>CHDEV 62</td>
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<td>CHDEV 68</td>
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<td>Teaching in a Diverse Society</td>
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<tr>
<td>CHDEV 84</td>
<td>Curriculum and Strategies for Children with Special Needs</td>
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<tr>
<td>CHDEV 246</td>
<td>Emergent Topics: Best Practices for Working with Children</td>
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<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
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<tbody>
<tr>
<td>COMM 20</td>
<td>Interpersonal Communication Skills</td>
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<tr>
<td>ENGL 1A</td>
<td>Composition and Reading</td>
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**Electives**

Select 9 units of General Education courses

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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**Required General Education courses**

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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**Major Requirements**

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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**Required General Education Units**

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<th>Title</th>
<th>Units</th>
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**Electives to meet 40 units**

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**Total Units**

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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</tbody>
</table>

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ASSISTANT TEACHER
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Assistant Teacher certificate program is designed to prepare students to complete the minimum academic certification of the Merritt College Child development department. The Assistant Teacher Certification qualifies students to obtain the Assistant Teacher Permit issued by the Commission on Teaching Credentialing.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Differentiate between and apply the concepts of development domains (physical, cognitive, social-emotional, language/literacy) in the classroom.
2. Discuss how young children learn through play.

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Core Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 6 units from the following:</td>
<td></td>
</tr>
<tr>
<td>CHDEV 1 through 248</td>
<td>Any CHDEV course numbered 1 through 248 (CHDEV 1 through 248 match the course requirements on the Child Development Permit Matrix for Assistant Teacher.)</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Total Units</td>
<td>6</td>
</tr>
</tbody>
</table>
ASSOCIATE TEACHER
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Associate Teacher program is designed to prepare students for entry-level work in public or private childcare facilities. The Child Development program includes diverse topics covering family diversity, multicultural education, special education, infants/toddlers, home-based care, and family child care. This option under the Child Development program focuses on introductory skills needed to work in early childhood education settings, including preschool education theory and application, child growth and development, and the child and his/her place in the family and community. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student's transcript.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Identify developmentally and culturally appropriate practices in the physical, temporal and interpersonal environments
2. Communicate effectively orally and in writing.
3. Identify the major developmental theories in Early Childhood Education practices.
4. Apply the concepts of socialization to early care and education practices.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHDEV 50</td>
<td>Principles and Practices of Teaching Young Children</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>CHDEV 54A Social Emotional Foundations for Early Learning</td>
<td>3</td>
</tr>
<tr>
<td>and</td>
<td>CHDEV 51 Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CHDEV 53 The Child, the Family and the Community</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CHDEV 54B Introduction to Curriculum</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units</strong></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

These courses match the course requirements on the Child Development Permit Matrix for Associate Teacher:
FAMILY CHILD CARE PROVIDER
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Family Child Care Provider certificate program is designed to prepare students to meet the unique demands for running a quality Family Child Care business. This specialization under the Child Development Department focuses on program, business practices and regulatory compliance. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript.

CAREER OPPORTUNITIES
Career opportunities include service providers in the Family Child Care Centers.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Practice involving families in all aspects of the program, and demonstrate ability to communicate and work with families in respectful ways.
2. Apply regulatory and legal compliance requirements of a successful Family Child Care Business.
3. Implement a comprehensive approach to creating developmentally and culturally appropriate environments in the family child care setting.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Major Core Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHDEV 51</td>
<td>Child Growth and Development</td>
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</tr>
<tr>
<td>CHDEV 53</td>
<td>The Child, the Family and the Community</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 62</td>
<td>Overview of Operations of Family Child Care</td>
<td>3</td>
</tr>
<tr>
<td>and</td>
<td>Introduction to Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>Curriculum and Environments for Infants and Toddlers</td>
<td>3</td>
</tr>
<tr>
<td>Total Units</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>
DESCRIPTION
The Infant/Toddler Specialist certificate program is designed to prepare students for work in public or private infant toddler programs. This specialization option under the Child Development Department focuses on skills needed to work in infant toddler settings. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student's transcript.

CAREER OPPORTUNITIES
Career opportunities include Infant/Toddler teacher, owner/director of Family Child Care business, Home Visitor with Early Headstart programs.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Evaluate individual differences and the special needs of exceptional children under age three
2. Create a responsive environment and developmentally and culturally appropriate curriculum that supports infant-toddler learning in the four domains of development.
3. Practice involving families in all aspects of the program, and demonstrate ability to communicate and work with families in respectful ways.
4. Summarize the developmental sequence of infant and toddler growth and development and the methods of facilitating growth.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHDEV 56A</td>
<td>Infant/Toddler Development and Care</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 56B</td>
<td>Curriculum and Environments for Infants and Toddlers</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units</strong></td>
<td><strong>6</strong></td>
</tr>
</tbody>
</table>
DESCRIPTION
The Introduction to Infant/Toddler Care Certificate of Completion is the first of two certificates intended for families and caregivers of children ages 0-8 who are seeking resources to further their knowledge of child development. These certificates also prepare students for entry into credit courses in child development at Merritt College or other community colleges. Entry level jobs in child development are available for English language learners and those with lower levels of basic skills. In-home caregivers, nannies, family childcare providers and teacher’s aides are often recruited based on proficiency in languages other than English, cultural competency and a genuine desire to work with young children. This paired certificate between the ESL and Child Development Departments allows for non-credit students, families and individuals exploring careers with children to enroll in courses that teach important child development and child-rearing content specific to infant/toddler years, paired with language and literacy development in English.

A student completing this program will learn the content and the language necessary to read, write and converse in English about the basics of infant/toddler care theories and how to care for children in their infant/toddler years. There are no prerequisites for this program though it is recommended that students are high-beginning English Language Learners.

CAREER OPPORTUNITIES
Entry level jobs in child development are available for English language learners and those with lower levels of basic skills. In-home caregivers, nannies, family childcare providers and teacher aides are often recruited based on proficiency in languages other than English, cultural competency and a genuine desire to work with young children. This paired certificate between the ESL and Child Development Departments allows for non-credit students, parents and individuals exploring careers with children to enroll in courses that teach important child development and child-rearing issues specific to the early childhood years, (0-3), paired with language and literacy development in English.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Identify and provide examples of the effective principles and practices of child development for infants/toddlers.
2. Demonstrate the ability to communicate clearly in basic English conversations about infant/toddler development.
3. Demonstrate the ability to read and comprehend basic English materials about infant/toddler development theory and practice.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Core Courses</td>
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</tr>
<tr>
<td>CHDEV 502</td>
<td>Introduction to Infant/Toddler Development</td>
<td>0</td>
</tr>
<tr>
<td>CHDEV 503</td>
<td>Introduction to Infant/Toddler Curriculum</td>
<td>0</td>
</tr>
<tr>
<td>ESL 502</td>
<td>English for Infant/Toddler Development</td>
<td>0</td>
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<tr>
<td>ESL 503</td>
<td>English for Infant/Toddler Curriculum</td>
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RECOMMENDED COURSE SEQUENCE

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Core Courses</td>
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<td>CHDEV 502</td>
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<td>CHDEV 503</td>
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<td>ESL 502</td>
<td>English for Infant/Toddler Development</td>
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<tr>
<td>ESL 503</td>
<td>English for Infant/Toddler Curriculum</td>
<td>0</td>
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</table>
DESCRIPTION
The Introduction to Early Childhood Education for Family Child Care Providers Certificate of Completion is the second of two certificates intended for families and caregivers of children ages 0-8 who are seeking resources to further their knowledge of child development. These certificates also prepare students for entry into credit courses in child development at Merritt College or other community colleges. Entry level jobs in child development are available for English language learners and those with lower levels of basic skills. In-home caregivers, nannies, family childcare providers and teacher’s aides are often recruited based on proficiency in languages other than English, cultural competency and a genuine desire to work with young children. This paired certificate between the ESL and Child Development Departments allows for non-credit students, families and individuals exploring careers with children to enroll in courses that teach important child development content specific to early childhood years (0-8), paired with language and literacy development in English.

A student completing this program will learn the content and the language necessary to read, write and converse in English about the basics of early childhood education and development theories and how to care for children in their early childhood years. There are no prerequisites for this program though it is recommended that students complete the Introduction to Infant/Toddler Care Certificate of Completion before entering the courses for this certificate.

CAREER OPPORTUNITIES
Entry level jobs in child development are available for English language learners and those with lower levels of basic skills. In-home caregivers, nannies, family childcare providers and teacher aides are often recruited based on proficiency in languages other than English, cultural competency and a genuine desire to work with young children. This paired certificate between the ESL and Child Development Departments allows for non-credit students, parents and individuals exploring careers with children to enroll in courses that teach important child development and child-rearing issues specific to the early childhood years, (0-8), paired with language and literacy development in English.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Identify and provide examples of the stages of child development ages 0-8 and the philosophies and best practices that apply at each level.
2. Describe the effective principles and methods of communication and positive guidance for children ages 0-8.
3. Demonstrate the ability to communicate clearly in transitional English conversations about early childhood education.
4. Demonstrate the ability to read materials and write short descriptions about observed child behavior using transitional level English.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>Core Courses</td>
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<tr>
<td>CHDEV 504</td>
<td>Introduction to Early Childhood Development for Family Child Care Providers</td>
<td>0</td>
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<tr>
<td>CHDEV 505</td>
<td>Introduction to Early Childhood Education Curriculum for Family Child Care Providers</td>
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<td>ESL 504</td>
<td>English for Early Childhood Development</td>
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RECOMMENDED COURSE SEQUENCE

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<tr>
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<tr>
<td>ESL 505</td>
<td>English for Early Childhood Education Curriculum</td>
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</table>
CHILD DEVELOPMENT

CHDEV 50
PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Introduction to the current issues and methodology of early childhood education from a historical and theoretical framework for Early Childhood group care: Key role of relationships, constructive adult-child interactions and teaching strategies in supporting the development of the whole child, career options, licensing requirements and personal qualifications as related to quality programs with developmentally appropriate practices. 1305.00
AA/AS area 2
C-ID: ECE 120

CHDEV 51
CHILD GROWTH AND DEVELOPMENT
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Prenatal through adolescence typical and atypical human growth and development: Interrelationship of physical, social, emotional, and intellectual growth and the adult role in fostering optimal development with emphasis on interactions between nature and nurture, developmental theory and investigative research, child observations and assessment, developmental milestones and individual differences. 1305.00
AA/AS area 2; CSU area D, E; IGETC area 4I
C-ID: CDEV 100

CHDEV 52
OBSERVATION AND ASSESSMENT
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: CHDEV 51
Acceptable for credit: CSU

Overview of current assessment developed to promote a better understanding of children, families, and ECE programs: Observation and documentation tools and support for students’ emergent understanding of their own ability to use classroom observations/assessments in order to improve their practices. 1305.40
C-ID: ECE 200

CHDEV 53
THE CHILD, THE FAMILY AND THE COMMUNITY
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Examination of the typical and atypical developing child in a societal context: Interrelationships of family, school, and community focusing on historical and socio-cultural factors; socialization and identity development and the importance of respectful, reciprocal relationships that support and empower families. 1305.00
AA/AS area 2; CSU area D
C-ID: CDEV 110

CHDEV 54A
SOCIAL AND EMOTIONAL FOUNDATIONS FOR EARLY LEARNING
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: CHDEV 51
Acceptable for credit: CSU

Healthy social and emotional development of young children as the foundation for children's early learning: Building a learning environment and partnerships with parents to promote the healthy social and emotional development of young children. 1305.40

CHDEV 54B
INTRODUCTION TO CURRICULUM
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: CHDEV 51
Acceptable for credit: CSU

Overview of the knowledge and skills related to providing appropriate curriculum and environments for children 0-6: Theories of child development and how they inform classroom practices; examination of the teacher’s role in facilitating learning in young children with an emphasis on the essential role of active engagement and hands-on learning; overview of content areas, including language and literacy, social and emotional learning, sensory learning, math and science, art and creativity. 1305.40
C-ID: ECE 130

CHDEV 55A
PRACTICUM-FIELD EXPERIENCE
5 units, 2.5 hours lecture, 7.5 hours laboratory (GR or P/NP)
Prerequisite: CHDEV 50, CHDEV 51, CHDEV 53, CHDEV 54A, and CHDEV 54B
Acceptable for credit: CSU

Integration of theory and practice in teaching and guidance of young children: Development of professional behaviors and understanding of children and families with a practicum under supervision in Merritt Laboratory School or with mentor teacher; application of techniques in meeting individual and group needs of young children. 1305.40
C-ID: ECE 210

CHDEV 55C
ADVANCED PRACTICUM-FIELD EXPERIENCE
3 units, 1.5 hours lecture, 4.5 hours laboratory (GR or P/ NP)
Prerequisite: CHDEV 55A
Acceptable for credit: CSU

Planning, providing and evaluating program areas: Overall supervision and classroom management of pre- school classroom. The practicum is conducted under supervision in Merritt Lab School or with mentor teacher. 1305.40
CHDEV 56A
INFANT/TODDLER DEVELOPMENT AND CARE
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: CHDEV 51
Acceptable for credit: CSU

Principles and philosophy of infant care for children up to two years of age: Growth and development, health and nutritional needs, social-emotional needs, cognitive development, language development, development of a positive self-image, parent education, community resources, and cultural and ethnic differences. 1305.90
AA/AS area 2

CHDEV 56B
CURRICULUM AND ENVIRONMENTS FOR INFANTS AND TODDLERS
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: CHDEV 51
Acceptable for credit: CSU

Introduction to organizing and developing activities for children aged 0-3 years: Focus on practical learning experiences in areas such as arts and crafts, imaginative play, music and movement, learning games; also covers culturally-appropriate activities, room arrangement, and classroom management. 1305.90

CHDEV 58
PRESCHOOL ADMINISTRATION
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: CHDEV 54A and CHDEV 54B
Required for Child Development Site Supervisor Permit and the Child Development Program Director Permit. Course does not fulfill Early Childhood Education AS-T or Child Development AA degree requirements at Merritt College.
Acceptable for credit: CSU

Principles and practices of administration of preschools and/or day care centers: Licensing requirements and regulations, staffing, parents and staff conferences, financial consideration and fiscal reports, operating procedures, and legal aspect of a small business operation. 1305.40

CHDEV 59
PRESCHOOL SUPERVISION AND STAFF RELATIONS
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: CHDEV 54A or CHDEV 54B
Required for Child Development Site Supervisor Permit and the Child Development Program Director Permit. Course does not fulfill Early Childhood Education AS-T or Child Development AA degree requirements at Merritt College.
Acceptable for credit: CSU

Principles, methods and strategies for working with adults in the early childhood education setting: Management of interpersonal and group dynamics of employees, parents, boards and community/advocacy activities. 1305.40

CHDEV 60
EMERGENT LITERACY AND CHILDREN'S LITERATURE
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: CHDEV 50 or CHDEV 51
Acceptable for credit: CSU

Principles, methods and materials for emergent reading and writing: Children’s literature, language and literacy development in the early childhood classroom within a developmentally appropriate curriculum. 1305.00

CHDEV 61
ADVANCED CURRICULUM DEVELOPMENT
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: CHDEV 51 and CHDEV 54B
Acceptable for credit: CSU

Overview of Emergent Curriculum: Application of social constructivist theories; role of the teacher, image of the child, and environment as educator; utilization of classroom observation/assessment in curricular planning cycle. 1305.40

CHDEV 62
OVERVIEW OF OPERATIONS OF FAMILY CHILD CARE
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: CHDEV 51
Acceptable for credit: CSU

Practical skills for setting up and operating a family child care home business: Major factors in operating a family day care home, creation of an optimum child care environment, infant and preschool development, relationships with families, community partners, parent communication, health and safety issues, legal requirements, and business considerations. 1305.00

CHDEV 68
PLAY-BASED CURRICULUM
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: CHDEV 50 or CHDEV 51
Acceptable for credit: CSU

Principles and practices of play-based curriculum: Role of the teacher in facilitating children’s learning through play-based activities; observation and assessment in planning curriculum. 1305.40

CHDEV 74
HEALTH, SAFETY, AND NUTRITION
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Introduction to the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health, safety, and nutrition: Key components that ensure physical health, mental health, and safety for both children and staff and the importance of collaboration with families and health professionals with focus on integrating the concepts into everyday planning and program development for all children. 1305.40
CSU area E
C-ID: ECE 220
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Lecture Hours</th>
<th>Laboratory Hours</th>
<th>Language</th>
<th>Prerequisites</th>
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<tr>
<td>CHDEV 75</td>
<td>SUPERVISING ADULTS IN EARLY CHILDHOOD PROGRAMS</td>
<td>3</td>
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<td>CHDEV 54A and CHDEV 54B</td>
<td>Study of the methods and principles of supervising teachers, aides, student teachers, parents and volunteers in early childhood settings and preschool programs; focus on leadership styles, principles and practices of supervision, and developmental supervision. 1305.80</td>
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<tr>
<td>CHDEV 80</td>
<td>TEACHING IN A DIVERSE SOCIETY</td>
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<td>Examination of critical, theoretical, and practical issues of growing up, living and working in a diverse society from an Early Childhood Education perspective: Group and personal identity development, family, cultural/linguistic considerations, age, gender, physical/mental/ emotional capabilities, anti-bias strategies, self-reflections, social advocacy and pedagogical orientations. 1305.00</td>
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<tr>
<td>CHDEV 84</td>
<td>CURRICULUM AND STRATEGIES FOR CHILDREN WITH SPECIAL NEEDS</td>
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<td>CHDEV 51</td>
<td>Curriculum and intervention strategies: Partnership with families, observation and assessment to address individualized needs of children, inclusive and natural environments, role of the teacher, collaboration with interdisciplinary teams, cultural competency. 1305.80</td>
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<td>CHDEV 91A</td>
<td>THE INFANT/TODDLER LAB PRACTICUM</td>
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<td>CHDEV 56A and CHDEV 56B</td>
<td>Integration of theory and practice in teaching and guidance of infants and toddlers: Practicum under supervision and application of techniques in meeting individual and group needs of infants, toddlers and their families. 1305.90</td>
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<td>CHDEV 220</td>
<td>FAMILY CHILD CARE FOR THE BEGINNING PROVIDER</td>
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<td>Setting up and operating a family child care business: Creation of an optimum child care environment, business practices, relationships with parents, impact of child care on the provider’s family, self-reflection of suitability to the field. 1305.80</td>
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<tr>
<td>CHDEV 222A</td>
<td>KEY ISSUES IN CHILD DEVELOPMENT: INFANT/TODDLER I</td>
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<td>Taught in a language other than English: This is a bridge course that moves students toward basic mastery of the language of the program. Key issues in caring for infants and toddlers: Child rearing practices in native country; comparative school, parental and societal expectations in native country and U.S.; child rearing issues specific to infants and toddlers in immigrant families. 1305.90</td>
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<tr>
<td>CHDEV 222B</td>
<td>KEY ISSUES IN CHILD DEVELOPMENT: INFANT/TODDLER II</td>
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<td>Key issues in caring for infants and toddlers: Focus on growth and development of infants and toddlers, appropriate care for stages of development, health and safety issues, and parent-provider relationships. 1305.90</td>
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<tr>
<td>CHDEV 225A</td>
<td>INTRODUCTION TO INFANT/TODDLER CURRICULUM I</td>
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<td>Taught in a language other than English: This is a bridge course that moves students toward basic mastery of the language of the program. Key issues in appropriate curriculum for infants and toddlers: Curriculum in native country; comparison of child care, parental and societal expectations in native country and U.S. regarding learning experiences, activities, materials, and equipment specific to infants and toddlers in immigrant families. 1305.90</td>
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<tr>
<td>CHDEV 225B</td>
<td>INTRODUCTION TO INFANT/TODDLER CURRICULUM II</td>
<td>1</td>
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<td></td>
<td>Introduction to curriculum appropriate to infants and toddlers based on child development principles: Appropriate play, and language and learning experiences including use of materials and equipment; hands-on demonstration of curriculum ideas and learning activities. 1305.90</td>
</tr>
</tbody>
</table>
CHDEV 246
EMERGENT TOPICS: BEST PRACTICES FOR WORKING WITH CHILDREN
.5-2 units, .5-2 hours lecture (GR or P/NP)
Best practices for children from birth to school age: Topics may include social-emotional development, diversity, special needs, literacy, professional development, partnering with families, public policy and current research. 1305.00

NONCREDIT COURSES

CHDEV 502
INTRODUCTION TO INFANT/TODDLER DEVELOPMENT
0 units, .75 hours lecture, 0 hours laboratory (P/NP)
Corequisite: ESL 502
Growth and development of infants/toddlers aged 0-36 months: Physical, cognitive, psycho-social, and creative development; influence of environment on development; feeding concerns; and the child's impact on the family. 1305.90

CHDEV 503
INTRODUCTION TO INFANT/TODDLER CURRICULUM
0 units, .75 hours lecture, 0 hours laboratory (P/NP)
Corequisite: ESL 503
Curriculum appropriate for infants/toddlers based on child development principles: Play, language and learning experiences including use of materials and equipment; and hands-on demonstration of curriculum ideas and learning activities. 1305.40

CHDEV 504
INTRODUCTION TO EARLY CHILDHOOD DEVELOPMENT FOR FAMILY CHILD CARE PROVIDERS
0 units, .75 hours lecture, 0 hours laboratory (P/NP)
Corequisite: ESOL 504
Best practices to support healthy growth and development of children: Stages of development, community and educational resources, and effective communication and guidance. 1305.40

CHDEV 505
INTRODUCTION TO EARLY CHILDHOOD EDUCATION CURRICULUM FOR FAMILY CHILD CARE PROVIDERS
0 units, .75 hours lecture, 0 hours laboratory (P/NP)
Corequisite: ESOL 505
Developmentally appropriate curriculum for children: Educational philosophies, age-appropriate activities, and effective learning environments. 1305.40
The goal of the Communication discipline is to increase student success in interpersonal and group interactions and public speaking engagements, and to provide students with the tools to analyze mass media. With hands-on practice in effective listening, public speaking, and discussion of cultural implications of verbal, nonverbal, and mass communication in a diverse world, students become better citizens of a global population. Communication training improves students’ potential to acquire, maintain, and advance in careers and relationships; to transfer to four-year colleges; and, to navigate through an increasingly intercultural landscape of interpersonal and group associations.

Career options include advertising, broadcasting, community relations, consulting, counseling, education, film, Foreign Service, fund raising, human resources, journalism, international relations, law, management, marketing, mediation, ministry, politics, public relations, sales, speechwriting, social work, and other related fields.

Merritt College offers the following degree program in Communication:

COMMUNICATION STUDIES
• ASSOCIATE IN ARTS IN COMMUNICATION STUDIES FOR TRANSFER (AA-T) DEGREE
COMMUNICATION STUDIES
ASSOCIATE IN ARTS IN COMMUNICATION STUDIES
FOR TRANSFER (AA-T) DEGREE

DESCRIPTION
Communication skills are essential to forming and maintaining personal relationships, acquiring and excelling in a job, and relating to the world around us. Through the study and practice of interpersonal, professional, and intercultural communication skills, students will learn how their perceptions and self-esteem affect their interactions with others. Beyond this, students will improve their abilities to speak, write, and present information effectively, whether in face-to-face interactions or in public or mass-media settings.

The Communication program prepares students to transfer to a four-year college or university to obtain a degree in Communication or a related Social Science field. The courses in the program also improve job attainment and performance skills, providing students with the training necessary for public speaking, customer service, conflict resolution, and interviewing. Students who complete the Associate in Arts in Communication Studies for Transfer will learn and practice cultural awareness, situation analyses, and goal-oriented solutions to practical problems, giving them valuable assets in their future relationships and workplaces. Lastly, this course of study improves students’ logic and reasoning skills, thus providing the foundation for understanding math and science, the world around them, and the skills and insights necessary to think through ethical issues and achieve their goals.

The Associate in Arts in Communication Studies for Transfer will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements which are as follows:

1. Completion of 60 semester units that are eligible for transfer to the California State University, including both of the following:
   A. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.
   B. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.
3. It should be noted that title 5 section 55063(a) also requires that students must earn a C or better in all courses required for the major or area of emphasis.

CAREER OPPORTUNITIES
Career opportunities include Customer Service Representative, Salesperson, Nonprofit Organizer, Consultant, Focus Group Facilitator, Interviewer and Human Resource Representative.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Speak, listen and critically think to resolve conflict and get your message across as intended.
2. Deliver presentations that are clear in message and voice, using appropriate nonverbals.
3. Strategize proactively and reflect on interactions that are empathic, nondefensive, therapeutic, appreciative, and critical, while listening to others.
4. Use conflict to strengthen group cohesion; apply effective communication to resolve issues.
5. Voice shared visions and goals in order to create, build and maintain relationships.
6. Research and think critically about the influence and impact of Mass Media on society.
## PROGRAM REQUIREMENTS

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<tr>
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<td>COMM 4</td>
<td>The Dynamics of Group Discussion</td>
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<td>COMM 20</td>
<td>Interpersonal Communication Skills</td>
<td>3</td>
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<tr>
<td>COMM 45</td>
<td>Public Speaking</td>
<td>3</td>
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</table>

**Major Elective Courses**

**Group A**
- Select two courses for 6 units from the following:
  - COMM 3 Introduction to Human Communication 3
  - COMM 6 Intercultural Communication 3
  - COMM 19 Survey of Mass Media 3

**Group B**
- Select one course for 3-4 units from the following:
  - ANTHR 3 Introduction to Social and Cultural Anthropology 3
  - COMM 18 Aging and Communication 3
  - COMM 10 Gender and Communication 3
  - COMM 13 Ethnic Perceptions in the Mass Media 3
  - ENGL 1B Composition and Reading 4
  - ENGL 5 Critical Thinking in Reading and Writing 3
  - PSYCH 1A Introduction to General Psychology 3
  - SOC 1 Introduction to Sociology 3

**Major Requirements** 18-19

**General Education (CSU GE or IGETC)** (up to a total of 18 units can be double counted) 37-39

**Electives (CSU transferable)** 15-23

**Total Units** 60
COMMUNICATION

COMM 3
INTRODUCTION TO HUMAN COMMUNICATION
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Study of human communication: Focus on verbal and nonverbal participation and effective listening in interpersonal contexts, group dynamics, and public speaking. 1506.00
AA/AS area 4d; CSU area A1; IGETC area 1C
C-ID: COMM 180

COMM 4
THE DYNAMICS OF GROUP DISCUSSION
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Study of communication in a group setting: Emphasis on listening, leadership, and teamwork; theoretical and experiential learning to build on individual communication skills with the goal of understanding and practicing successful group relations. 1506.00
AA/AS area 4d; CSU area A1; IGETC area 1C
C-ID: COMM 140

COMM 6
INTERCULTURAL COMMUNICATION
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Dynamics of intercultural communication as it applies to the diversity of American cultures: Cultural concepts, language style, content, ethnic perspectives, perceptions and stereotypes, symbols, and roles as they facilitate or hinder effective verbal and nonverbal interaction across cultures; analysis of multiple intercultural communication theories. 1506.00
AA/AS area 2, 4d; CSU area D; IGETC area 4C, 4G
C-ID: COMM 150

COMM 10
GENDER AND COMMUNICATION
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Exploration of the relationship between gender and communication: Interpersonal, mediated, social, organizational, and cultural contexts; gender in public and private settings, media images, and personal identities. 1506.00
AA/AS area 2, 4d; CSU area D; IGETC area 4D, 4G

COMM 13
ETHNIC PERCEPTIONS IN THE MASS MEDIA
3 units, 3 hours lecture (GR or P/NP)
Also offered as AFRAM 13.
Not open for credit to students who have completed or are currently enrolled in AFRAM 13.
Acceptable for credit: CSU, UC

Role of mass media in perceptions of race and culture: Social and psychological development of ethnic perceptions. 1506.00
AA/AS area 2, 4d, 5; CSU area D; IGETC area 4C, 4G

COMM 18
AGING AND COMMUNICATION
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Human development from conception through death: Exploration of biological, cognitive, personality, and social development; attention to developmental issues, with a focus on communication. 1506.00
AA/AS area 2, 4d; CSU area D; IGETC area 4G

COMM 19
SURVEY OF MASS MEDIA
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Survey of traditional and non-traditional mass media in America: Impact of mass media trends and technology into the 21st century; critical analysis of media messages and examination of mass media from historical, political, social, and cultural perspectives. 1506.00
AA/AS area 2, 4d; CSU area D; IGETC area 4G

COMM 20
INTERPERSONAL COMMUNICATION SKILLS
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Analysis of communication needs and improvement of skills: Listening, perception, nonverbal communication, semantics, and conflict management. 1506.00
AA/AS area 4d; CSU area A1; IGETC area 1C
C-ID: COMM 130

COMM 45
PUBLIC SPEAKING
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Principles of public speaking: Oral presentations based on political and social issues; critical thinking, organization, and research. 1506.00
AA/AS area 4d; CSU area A1; IGETC area 1C
C-ID: COMM 110

COMM 49
INDEPENDENT STUDY IN COMMUNICATION
.5-5 units (GR or P/NP)
Acceptable for credit: CSU

See section on Independent Study. 1506.00
The Community Social Services/Substance Abuse degree and certificate programs prepare students for employment in entry-level, para-professional positions in social and human services fields. Both programs prepare students for transfer to four-year institutions, offer further training for persons already employed, or provide students the opportunity to explore for vocational choices.

Merritt College offers the following degree and certificate programs in Community Social Services:

COMMUNITY SOCIAL SERVICES/SUBSTANCE ABUSE
- ASSOCIATE IN ARTS (AA) DEGREE
- CERTIFICATE OF ACHIEVEMENT
## COMMUNITY SOCIAL SERVICES/SUBSTANCE ABUSE
### ASSOCIATE IN ARTS (AA) DEGREE

### DESCRIPTION
The Community Social Services/Substance Abuse Associate in Arts Degree program is designed to prepare students for employment in entry-level paraprofessional positions providing counseling, case management, crisis management, and relapse prevention services to substance abuse clients. The program also offers further training for persons already employed in the field. The program requirements comply with CAADE (California Association on Alcohol and Drug Education) guidelines. Community Social Services/Substance Abuse is offered both for the associate degree and the certificate.

To qualify for the Associate in Arts Degree in Community Social Services/Substance Abuse, students must satisfactorily complete the Major course requirements and the General Education requirements.

### CAREER OPPORTUNITIES
Career opportunities may include employment in entry-level paraprofessional positions providing counseling, case management, crisis management, and relapse prevention services to substance abuse clients.

### PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Apply knowledge of mental health/human service trends, issues and regulations to inpatient, outpatient and other programs within the human services delivery system.
2. Display appropriate communication and interpersonal skills through active listening, sensitivity and effective responses to both verbal and non-verbal behavior.
3. Demonstrate appropriate professional behavior (e.g. timeliness) and interpersonal skills such as teamwork, leadership, and cultural diversity.
4. Establish rapport with clients, gather information about the conditions that bring clients in for a service, and refer clients to appropriate resources.

### PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
<td></td>
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</tr>
<tr>
<td>COSER 21</td>
<td>Psychology/Pharmacology of Drugs of Abuse</td>
<td>3–4</td>
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<tr>
<td>COSER 29</td>
<td>Working with Diverse Populations</td>
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CONTINUED
## COMMUNITY SOCIAL SERVICES (COSER) PROGRAMS

### COMMUNITY SOCIAL SERVICES/SUBSTANCE ABUSE ASSOCIATE IN ARTS (AA) DEGREE

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<thead>
<tr>
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<tr>
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**Major Requirements**

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<tr>
<th>Units that may be double-counted for General Education</th>
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<tbody>
<tr>
<td>General Education Requirements (Local AA/AS Degree)</td>
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</table>

**Total Units**

| 62 – 64 |

### RECOMMENDED TWO-YEAR COURSE SEQUENCE

Students can use the following pattern to complete an Associate in Arts in Community Social Services/Substance Abuse degree. This is only one possible pattern. It maps a sequence of courses to help students complete their degree, regardless of the semester they begin class. This map does not replace consulting with a counselor. Students are advised to meet with a counselor at least once each semester to develop their individual Student Education Plan (SEP) and plan for their educational goals.

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
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<tr>
<td>1st Semester</td>
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<tr>
<td>1st Semester Units</td>
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| 2nd Semester |
| COSER 16B  | Communication: Families in Crisis                         | 3     |
| COSER 20   | Group Dynamics: Working with Small Groups                  | 2 - 3  |
| COSER 27   | Crisis Management for Substance Abuse                     | 3     |
| COSER 40   | Community Social Services Field Experience                 | 3     |
| KIN 58A    | Fitness Center Strength Training I-Fundamentals            | 0.5   |
| 2nd Semester Units |                                                  | 11.5-12.5 |

| 3rd Semester |
| COSER 10   | Community Resources and Social Policy                      | 3     |
| COSER 26   | Case Management for Substance Abuse Paraprofessionals      | 3     |
| COSER 28   | Dual Diagnosis: Mental Illness and Drug Abuse              | 3     |
| COSER 40   | Community Social Services Field Experience                 | 3     |
| 3rd Semester Units |                                              | 12     |

| 4th Semester |
| COSER 22   | Social Psychology of Substance/Drug Abuse                  | 3     |
| COSER 25   | Maintaining Sobriety and Relapse Prevention                 | 3     |
| ENGL 1A    | Composition and Reading                                    | 4     |
| or         | ENGL 100 College Composition and Reading                   | 4     |
| and        | HLTED 1 Exploring Health Issues                             | 3     |
| KIN 58B    | Fitness Center Strength Training II-Beginning              | 0.5   |
| 4th Semester Units |                                           | 13.5   |
| Total Units |                                                   | 49-51  |
PROGRAMS

COMMUNITY SOCIAL SERVICES/SUBSTANCE ABUSE
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
The Community Social Services/Substance Abuse Certificate of Achievement program is designed to prepare students for employment in entry-level paraprofessional positions providing counseling, case management, crisis management, and relapse prevention services to substance abuse clients. The program also offers further training for persons already employed in the field. The program requirements comply with CAADE (California Association on Alcohol and Drug Education) guidelines. Community Social Services/Substance Abuse is offered both for the Associate degree and the certificate.

To qualify for the Certificate of Achievement in Community Social Services/Substance Abuse, students must satisfactorily complete the Major course requirements.

CAREER OPPORTUNITIES
Career opportunities may include employment in entry-level paraprofessional positions providing counseling, case management, crisis management, and relapse prevention services to substance abuse clients.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Apply knowledge of mental health/human service trends, issues and regulations to inpatient, outpatient and other programs within the human services delivery system.
2. Display appropriate communication and interpersonal skills through active listening, sensitivity and effective responses to both verbal and non-verbal behavior.
3. Demonstrate appropriate professional behavior (e.g. timeliness) and interpersonal skills such as teamwork, leadership, and cultural diversity.
4. Establish rapport with clients, gather information about the conditions that bring clients in for a service, and refer clients to appropriate resources.

PROGRAM REQUIREMENTS

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<th>Subject #</th>
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<tbody>
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Total Units: 49 - 51
COMMUNITY SOCIAL SERVICES/SUBSTANCE ABUSE CERTIFICATE OF ACHIEVEMENT

RECOMMENDED TWO-YEAR COURSE SEQUENCE
Students can use the following pattern to complete an Associate in Arts in Community Social Services/Substance Abuse certificate. This is only one possible pattern. It maps a sequence of courses to help students complete their degree, regardless of the semester they begin class. This map does not replace consulting with a counselor. Students are advised to meet with a counselor at least once each semester to develop their individual Student Education Plan (SEP) and plan for their educational goals.

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<td><strong>49-51</strong></td>
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</table>
COMMUNITY SOCIAL SERVICES

COSER 10
COMMUNITY RESOURCES AND SOCIAL POLICY
3 units, 3 hours lecture, 1 hour laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Identification of major social resources: Selective investigation of service agencies through direct observations in the community, followed by study and analysis; evolution of social welfare as an institution; relationship to socio-economic and political forces, and cultural values; changing approaches to social provision, decision making, and policy formation. 2104.00
AA/AS area 2; CSU area D; IGETC area 4G

COSER 16A
COMMUNICATION: THEORY AND PRACTICE
2-3 units, 2-3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Communication in the helping professions: Observation and listening skills, conflict resolution, decision making, interviewing, and written communication. 2104.00
AA/AS area 4d (if course taken for 3 or more units); CSU area E

COSER 16B
COMMUNICATION: FAMILIES IN CRISIS
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Principles and methods relating to understanding and working with individuals and families in crisis situations: Examination of family process, rules, and interaction through presentation of theoretical material and involvement in role play situations; short-term counseling techniques and skills. 2104.00

COSER 20
GROUP DYNAMICS: WORKING WITH SMALL GROUPS
2-3 units, 2-3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Theory and practice of small groups through participation in problem situations which occur in the life of a group: Stages of group development, group climate, roles and leadership. 2104.00
CSU area E

COSER 21
PSYCHOLOGY/PHARMACOLOGY OF DRUGS OF ABUSE
3-4 units, 3-4 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Introduction to the phenomena of psychoactive substances on human behavior and the human body: Examines factors involved in addiction, both physical and psychological; and examines psychological and physiological effects of various categories of psychoactive substances. 2104.00

COSER 22
SOCIAL PSYCHOLOGY OF SUBSTANCE/DRUG ABUSE
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Overview of the social psychology of substance and drug abuse in the United States: Substance abuse in the context of culture and life styles, mores, needs, attitudes, and values of substance abusers as reflected in addiction and in vulnerability to addiction; physical and psychological outcomes of drug addiction; treatment for drug addiction; drug use and its impact on specific populations; and exploration of careers associated with substance abuse and alcohol/drug treatment programs. 2104.40

COSER 24
HUMAN DEVELOPMENT
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Survey of human development from childhood through old age: Problems and challenges of individual development considered as a psychological, social, intellectual and physical process. 2104.00
AA/AS area 2; CSU area D, E; IGETC area 4I

COSER 25
MAINTAINING SOBERTY AND RELAPSE PREVENTION
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Examination of the dynamics and other variables involved in the establishment of sobriety: Dynamics of addiction; steps, practices, and other factors in maintenance of sobriety; and approaches and techniques to preventing relapse, including life orientation and maintaining success in recovery. 2104.40

COSER 26
CASE MANAGEMENT FOR SUBSTANCE ABUSE PARAPROFESSIONALS
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Study of basic principles of case management for paraprofessionals in the treatment of addiction and substance abuse: Principles and processes of intake, screening, assessment, referral, development of treatment plans, and issues of confidentiality and ethics; importance and value of interdisciplinary collaboration in the treatment of addiction. 2104.40

COSER 27
CRISIS MANAGEMENT FOR SUBSTANCE ABUSE
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Study of the basic principles and skills needed to deal with crisis situations arising in the treatment of drug addicts, alcoholics, substance abusers, and individuals with psychological disabilities or mental illness: Crisis intervention protocols and procedures for dealing with suicide, criminal behavior, aggression, domestic violence, sexual abuse, and post-traumatic stress disorder (PTSD). 2104.40
COSER 28
DUAL DIAGNOSIS: MENTAL ILLNESS AND DRUG ABUSE
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Assessment, referral, and paraprofessional collaboration in working with substance abusers with psychological disabilities or mental illness: Prevalence and parallels of psychological/mental disabilities and substance abuse; treatment and recovery issues relating to the combination of both; types of mental health issues found with addiction, with specific focus on antisocial and borderline personality disorders as they relate to substance abuse; diagnostic criteria, assessment techniques, counseling techniques for paraprofessionals, risk factors, and relapse prevention. 2104.40

COSER 29
WORKING WITH DIVERSE POPULATIONS
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Examination of the various ethnic, racial, and other diverse groups (disability, sexual orientation, etc.) that make up the population of American society: Historical context of the experiences and treatment of various U.S. minority groups (African-Americans, Mexicans, Native Americans, the Irish, Chinese, and other diverse groups); government policies and laws and their impact on these various groups; and society's response to physical and psychological/mental disabilities. 2104.40
AA/AS area 2, 5; CSU area D, E

COSER 40
COMMUNITY SOCIAL SERVICES FIELD EXPERIENCE
3 units, 2 hours lecture, 8 hours field experience weekly (GR)
Acceptable for credit: CSU

Course may be repeated two times for a maximum of 9 units.
Field work under supervision in community organizations and projects: Working with people in human services settings, combined with participation in weekly seminar to integrate academic learning with the field experience. 2104.00

COSER 41
SUBSTANCE ABUSE AND THE LAW
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Overview of the civil and criminal justice system with particular reference to substance abuse: Knowledge needed by service workers and police officers who deal with legal problems experienced by substance abusers. 2104.40

COSER 42
COUNSELING SKILLS AND SUBSTANCE ABUSE
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Investigation of counseling skills with particular application to substance abuse: Skills needed by those working with substance abusers in a group/resident setting and in a social model program. 2104.40

COSER 49
INDEPENDENT STUDY IN COMMUNITY SOCIAL SERVICES
.5-5 units (GR or P/NP)
Acceptable for credit: CSU

See Section on Independent Study. 2104.00
The Merritt College Cybersecurity Program was developed through an ongoing partnership with the Consortium of Information Systems Executives (CISE). Industry professionals from more than 100 Bay Area companies collaborated to create a program that will set a new standard. Today, our current program offers the only accredited cybersecurity degree in the state of California. Classes are led by professionals actively working in the field, affording the provision of real-world insight and practical guidance. The curriculum continues to evolve to reflect the current issues in information security.

The Associate Degree programs — Applications Security (Software) and Infrastructure Security (Hardware) — by joining the rapidly growing field of cybersecurity, students become part of the solution to cybercrimes. Students will learn to protect computers, networks, programs, and data from unintended or unauthorized access, change, or destruction. These degree programs are designed to provide cutting-edge skills and to prepare students to enter the job market. Students gain or upgrade computer skills for immediate employment needs. Each program is designed for completion in two years; students earn degrees and the knowledge to pass national certification tests.


Merritt College offers the following degree and certificate programs in Computer Information Systems:

**APPLICATIONS SECURITY**
- ASSOCIATE IN SCIENCE (AS) DEGREE
- CERTIFICATE OF ACHIEVEMENT

**INFRASTRUCTURE SECURITY**
- ASSOCIATE IN SCIENCE (AS) DEGREE
- CERTIFICATE OF ACHIEVEMENT
APPLICATIONS SECURITY
ASSOCIATE IN SCIENCE (AS) DEGREE

DESCRIPTION
The Application Security Associate in Science provides best practices and competencies for students to design, install and implement secure applications and services; manage, and optimize application to ensure compliance with security controls; help prevent, detect, investigate and respond to application security threats and attacks; facilitate application security vulnerability assessments, penetration tests and risk assessments; investigate application security events and incidents, including forensic analysis; represent security interests on project teams by ensuring security standards and requirements; conduct security research, analysis and review of application solutions to ensure compliance with company security policies; evaluate new products and technologies to protect against existing and emerging security threats; and develop and implement information security policies and procedures.

To qualify for the Associate in Science in Applications Security degree, students must satisfactorily complete the Degree Major requirements specified below and the local AA/AS General Education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS General Education requirements.

CAREER OPPORTUNITIES
Career opportunities with this degree include Application Security Specialist, Application Security Analyst, Information Technology Specialist (Customer Support, Information Security Specialist, Network Application Developer).

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Design and secure applications and services to protect critical assets.
2. Develop, test, and implement secure applications to safeguard critical information
3. Manage ongoing maintenance and updates to applications and services to respond to changing security threats

PROGRAM REQUIREMENTS

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<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<td>CIS 7</td>
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<td>CIS 54</td>
<td>IT Security Goals, Strategy, Policy, and Leadership</td>
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<td>CIS 55</td>
<td>Hacker Techniques, Exploits, &amp; Incident Handling</td>
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<td>CIS 56</td>
<td>Secure Coding in Java and .NET</td>
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<td>CIS 57</td>
<td>Web Application PEN Testing</td>
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<td>CIS 59</td>
<td>Applications in Information Security</td>
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<td>CIS 60</td>
<td>Computer Forensics Fundamentals</td>
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<td>Introduction to Information Systems Security</td>
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<td>COPED 469</td>
<td>Occupational Work Experience in Security Administration</td>
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<td><strong>Major Elective Courses</strong></td>
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<td>Select 13-14 units from courses in Computer Information Systems</td>
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<td><strong>Total Units</strong></td>
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<td>60</td>
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APPLICATIONS SECURITY
ASSOCIATE IN SCIENCE (AS) DEGREE

RECOMMENDED TWO-YEAR COURSE SEQUENCE
Students can use the following pattern to complete an Associate in Science in Applications Security degree. This is only one possible pattern. It maps a sequence of courses to help students complete their degree, regardless of the semester they begin class. This map does not replace consulting with a counselor. Students are advised to meet with a counselor at least once each semester to develop their individual Student Education Plan (SEP) and plan for their educational goals.

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<tr>
<td>CIS 5</td>
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<td>or</td>
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<td>CIS 7</td>
<td>Control Structures and Objects</td>
<td>4</td>
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APPLICATIONS SECURITY
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
The Applications Security Certificate of Achievement provides best practices and competencies for students to design, install and implement secure applications and services; manage, and optimize application to ensure compliance with security controls; help prevent, detect, investigate and respond to application security threats and attacks; facilitate application security vulnerability assessments, penetration tests and risk assessments; investigate application security events and incidents, including forensic analysis; represent security interests on project teams by ensuring security standards and requirements; conduct security research, analysis and review of application solutions to ensure compliance with company security policies; evaluate new products and technologies to protect against existing and emerging security threats; and develop and implement information security policies and procedures.

A Certificate of Achievement will be awarded upon satisfactory completion of the certificate requirements specified below.

CAREER OPPORTUNITIES
Career Opportunities include Application Security Specialist, Application Security Analyst, Information Technology Specialist (Customer Support, Information Security Specialist, Network Application Developer.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Design and secure applications and services to protect critical assets.
2. Develop, test, and implement secure applications to safeguard critical information.
3. Manage ongoing maintenance and updates to applications and services to respond to changing security threats.

PROGRAM REQUIREMENTS

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Total Units 28-29
PROGRAMS

APPLICATIONS SECURITY
CERTIFICATE OF ACHIEVEMENT

RECOMMENDED TWO-YEAR COURSE SEQUENCE
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INFRASECURITY 
ASSOCIATE OF SCIENCE (AS) DEGREE

DESCRIPTION
The Infrastructure Security Associate of Science degree provides best practices and competencies for students to design, install and implement services and applications; manage and optimize security infrastructure to ensure compliance with security controls; help prevent, detect, investigate and respond to operational security threats and attacks; facilitate security vulnerability assessments, penetration tests and risk assessments; investigate security events and incidents, including forensic analysis; represent security interests on project teams by ensuring security standards and requirements; conduct security research, analysis and review of infrastructure designs to ensure compliance with company security policies; evaluate new products and technologies to protect against existing and emerging security threats; and develop and implement information security policies and procedures.

To qualify for the Associate of Science in Infrastructure Security degree, students must satisfactorily complete the Degree Major requirements specified below and the local AA/AS General Education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS General Education requirements.

CAREER OPPORTUNITIES
Career opportunities with this degree include Infrastructure Security Specialist and Infrastructure Security Analyst.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Install & Configure software and upgrades
2. Install, configure & test network devices, servers and workstations.
3. Troubleshoot hardware & network problems.

PROGRAM REQUIREMENTS

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<tr>
<th>Subject #</th>
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<td>Cloud Security Fundamentals</td>
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<td>Intrusion Detection In-Depth; Compliance, Security, Forensics, and Troubleshooting</td>
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# PROGRAMS

## INFRASTRUCTURE SECURITY

### ASSOCIATE OF SCIENCE (AS) DEGREE

**RECOMMENDED TWO-YEAR COURSE SEQUENCE**

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**INFRASTRUCTURE SECURITY CERTIFICATE OF ACHIEVEMENT**

**DESCRIPTION**
The Infrastructure Security Certificate of Achievement provides best practices and competencies for students to design, install and implement services and applications; manage and optimize security infrastructure to ensure compliance with security controls; help prevent, detect, investigate and respond to operational security threats and attacks; facilitate security vulnerability assessments, penetration tests and risk assessments; investigate security events and incidents, including forensic analysis; represent security interests on project teams by ensuring security standards and requirements; conduct security research, analysis and review of infrastructure designs to ensure compliance with company security policies; evaluate new products and technologies to protect against existing and emerging security threats; and develop and implement information security policies and procedures.

A Certificate of Achievement will be awarded upon satisfactory completion of the certificate requirements specified below.

**CAREER OPPORTUNITIES**
Career Opportunities with this certificate include Infrastructure Security Specialist and Infrastructure Security Analyst.

**PROGRAM LEARNING OUTCOMES**
Upon successful completion of this program, students will be able to:
1. Install & Configure software and upgrades
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**RECOMMENDED TWO-YEAR COURSE SEQUENCE**

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<td>Occupational Experience in Security Administration</td>
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COMPUTER INFORMATION SYSTEMS

CIS 1
INTRODUCTION TO COMPUTER INFORMATION SYSTEMS
4 units, 3 hours lecture, 3 hours laboratory (GR or P/ NP)
Acceptable for credit: CSU, UC

General nature of computer hardware, software and systems: Hands-on applications include introduction to word processing, spreadsheet, database management and presentation software, and a brief introduction to web browsing and e-mail. 0702.00
AA/AS area 4c
C-ID: ITIS 120

CIS 5
INTRODUCTION TO COMPUTER SCIENCE
5 units, 4 hours lecture, 3 hours laboratory (GR or P/ NP)
Acceptable for credit: CSU, UC

Introduction to computer science: Architecture of digital computers, design of algorithms for solving various problems, and basic skills in computer programming. 0706.00
AA/AS area 4c

CIS 6
INTRODUCTION TO COMPUTER PROGRAMMING
5 units, 4 hours lecture, 3 hours laboratory (GR or P/ NP)
Recommended preparation: CIS 5
Acceptable for credit: CSU, UC

Introduction to computer programming: Algorithm design, flow charting, and debugging; elements of good programming style. Course may be instructed in any programming language. 0707.10
AA/AS area 4c
C-ID: COMP 122

CIS 7
CONTROL STRUCTURES AND OBJECTS
4 units, 3 hours lecture, 3 hours laboratory (GR or P/ NP)
Recommended Preparation: CIS 5
Acceptable for credit: CSU, UC

Introduction to computer programming: Algorithm design through use of control structures, flow charting, and debugging; elements of good programming style; introduction to Object Oriented Programming (OOP) through the design and implementation of objects that interact using well-defined interfaces to solve a problem. 0707.00
AA/AS area 4c
C-ID: COMP 122

CIS 8
INTRODUCTION TO PARALLEL AND CLOUD PROGRAMMING
4 units, 3 hours lecture, 3 hours laboratory (GR or P/ NP)
Prerequisite: CIS 6
Recommended Preparation: MATH 11
Acceptable for credit: CSU

Programming fundamentals of using multiple processors or computers to solve a problem: Mechanics of computation, multi-tasking and multi-threading and object-oriented approaches to managing many computing elements working on the same problem. Programming for Cloud computation, Cluster computation, Big Data, Machine Learning, and highly parallel computing hardware, e.g. multi-core processors and Graphics Processing Units. 0701.00
AA/AS area 4c

CIS 11
DISCRETE STRUCTURES AND LOGIC
4 units, 3 hours lecture, 3 hours laboratory (GR or P/ NP)
Prerequisites: CIS 6 and CIS 33
Not open for credit to students who have completed or are currently enrolled in MATH 11.
Acceptable for credit: CSU, UC

Discrete structures used in Computer Science with an emphasis on their applications: Functions, relations and sets; basic logic; proof techniques; basics of counting; graphs and trees; and discrete probability. 0707.00
AA/AS area 4c
C-ID: COMP 152

CIS 33
SOFTWARE ARCHITECTURES AND ALGORITHMS
4 units, 3 hours lecture, 3 hours laboratory (GR or P/ NP)
Prerequisite: CIS 6
Acceptable for credit: CSU, UC

Design and development of large programs: Systematic data abstraction, strongly typed data and data structures, object declaration models, inheritance and polymorphism, information hiding, managed frameworks and libraries such as the Standard Template Library (STL), object life cycles and garbage collection, recursion, well-defined algorithms, collections and iterator abstraction, strategies for code re-use, testing, UML and software engineering principles. 0707.00
AA/AS area 4c
C-ID: COMP 132

CIS 35
MICROCOMPUTER OPERATING SYSTEMS
4 units, 3 hours lecture, 3 hours laboratory (GR or P/ NP)
Recommended Preparation: CIS 1
Acceptable for credit: CSU

Microcomputer operating systems: Selection, use and programming with operating systems, concentrating on the personal computer. 0702.00
AA/AS area 4c
CIS 40
DATABASE MANAGEMENT
4 units, 3 hours lecture, 3 hours laboratory (GR or P/ NP)
Recommended preparation: CIS 1 or CIS 5
Acceptable for credit: CSU

Design, implementation, and maintenance of databases: Analysis of user requirements; building tables, queries, forms, reports, and other topics. 0702.10
AA/AS area 4c

CIS 42
SPREADSHEET APPLICATIONS
4 units, 3 hours lecture, 3 hours laboratory (GR or P/ NP)
Recommended preparation: CIS 1 or CIS 5 or CIS 200
Course is equivalent to CIS 42A and CIS 42B.
Not open for credit to students who have completed or are currently enrolled in CIS 42A and/or CIS 42B.
Acceptable for credit: CSU

Principles of electronic spreadsheets using features available with current popular spreadsheet software: Worksheet creation, formatting and charting; entering data and formulas; functions; editing and printing; web queries; basic database functions of sorting and querying; creating web pages; logical functions; lookup tables; Pivot Tables, Pivot Charts, and trendlines; graphic design for financial statements; creating templates; using macros. 0702.10
AA/AS area 4c

CIS 49
INDEPENDENT STUDY IN COMPUTER INFORMATION SYSTEMS
.5-5 units (GR or P/NP)
Acceptable for credit: CSU

See section on Independent Study. 0702.00
AA/AS area 4c (if course taken for one or more units)

CIS 51
INTRODUCTION TO INFORMATION TECHNOLOGY PROJECT MANAGEMENT
4 units, 3 hours lecture, 3 hours laboratory (GR or P/ NP)
Recommended preparation: CIS 1
Acceptable for credit: CSU

Project management fundamentals for technology development and implementation: Step-by-step guide to planning and executing IT projects including hardware and software; case studies with real-world IT scenarios; and information systems methodologies and industry standard best practices of standardized project management. 0702.00
AA/AS area 4c

CIS 52
CLOUD SECURITY FUNDAMENTALS
3 units, 2 hours lecture, 3 hours laboratory (GR or P/ NP)
Recommended preparation: CIS 1 or CIS 5, and CIS 55, CIS 60, CIS 72
Acceptable for credit: CSU

New cloud computing paradigm: Implications for information security; differences in cloud computing service versus deployment models; associated security requirements and responsibilities. 0702.00
AA/AS area 4c

CIS 53
INTRUSION DETECTION IN-DEPTH: COMPLIANCE, SECURITY, FORENSICS AND TROUBLESHOOTING
3 units, 2 hours lecture, 3 hours laboratory (GR or P/ NP)
Recommended preparation: CIS 1 or CIS 5, and CIS 55, CIS 60, CIS 72
Acceptable for credit: CSU

Host-based and network-based intrusion detection systems (IDS): Tools for information security practitioners; examination of information sources, analysis schemes, technical, and legal issues. 0702.00
AA/AS area 4c

CIS 54
IT SECURITY GOALS, STRATEGY, POLICY, AND LEADERSHIP
3 units, 3 hours lecture (GR or P/ NP)
Recommended preparation: CIS 1 or CIS 5, and CIS 55, CIS 60, CIS 71, CIS 72
Acceptable for credit: CSU

Business and management aspects of information security: Legal and regulatory aspects; strategic planning process; security policies, and management process for a secure information systems environment. 0702.00
AA/AS area 4c

CIS 55
HACKER TECHNIQUES, EXPLOITS & INCIDENT HANDLING
3 units, 2 hours lecture, 3 hours laboratory (GR or P/ NP)
Recommended preparation: CIS 1 or CIS 5, and CIS 71, CIS 72
Acceptable for credit: CSU

Cutting-edge insidious attack vectors: Responding to computer incidents and hands-on techniques for discovering security vulnerabilities. 0702.00
AA/AS area 4c
CIS 56
SECURE CODING IN JAVA AND .NET
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: CIS 1 or CIS 5, and CIS 55, CIS 60, CIS 71
Acceptable for credit: CSU

Developing defensible applications: Java and .NET application developments using best practices to protect critical information. 0702.00
AA/AS area 4c

CIS 57
WEB APPLICATION PEN TESTING
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: CIS 5 or CIS 6; and CIS 55 and CIS 60 and CIS 71
Acceptable for credit: CSU

Ethical hacking: Designing secure, functional, and compliant software. 0702.00
AA/AS area 4c

CIS 58
HACKER GUARD – BASELINE TRAINING FOR IT ADMINISTRATORS AND OPERATIONS
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: CIS 5 or CIS 6; and CIS 55 and CIS 60 and CIS 72
Acceptable for credit: CSU

Security training for systems and network operations staff: First line of defense against unauthorized access to systems, applications, and networks. 0702.00
AA/AS area 4c

CIS 59
APPLICATIONS IN INFORMATION SECURITY
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: CIS 1 or CIS 5, and CIS 55, CIS 60, CIS 71
Acceptable for credit: CSU

Architecture of web-based applications and security best practices: Authentication and authorization for accessing applications; managing common security vulnerabilities, security of data at rest and in transit. 0702.00
AA/AS area 4c

CIS 60
COMPUTER FORENSICS FUNDAMENTALS
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: CIS 5 or CIS 6; and CIS 71 or CIS 72
Acceptable for credit: CSU

Overview of computer forensics: Computer investigation processes; operating systems boot processes and disk structures; data acquisition and analysis; technical writing; review of computer forensics tools; ethics; and objectives of International Association of Computer Investigative Specialists (IACIS) certification. 0702.00
AA/AS area 4c

CIS 66
XML DOCUMENTS AND APPLICATIONS
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Recommended Preparation: CIS 234A and CIS 234B
Acceptable for credit: CSU

Development of documents and applications using the eXtensible Markup Language (XML), a Web document-authoring meta-language that is used to separate data from its visual representation; use of XSL for data translation. 0702.00
AA/AS area 4c

CIS 71
INTRODUCTION TO INFORMATION SYSTEMS SECURITY
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Corequisite: CIS 1 or CIS 5
Acceptable for credit: CSU

Fundamental principles of information technology, security and risk management: Hardware, software, processes, communications, applications, and policies and procedures of organizational cyber security and risk management. 0702.00
AA/AS area 4c

CIS 72
SYSTEMS AND NETWORK ADMINISTRATION
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Corequisite: CIS 1 or CIS 5
Acceptable for credit: CSU

Design, development and support of server hardware and software technologies: Disaster recovery and security administration. 0702.00
AA/AS area 4c
C-ID: ITIS 155

CIS 73
NETWORKING CONCEPTS
3 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: CIS 1 or CIS 5
Acceptable for credit: CSU

Networking concepts: Network architecture, hardware, software, concepts, protocols and standards. 0702.00
AA/AS area 4c
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<th>COURSE CODE</th>
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<th>UNITS</th>
<th>LECTURE HOURS</th>
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<td><strong>CROSS PLATFORM MOBILE APPLICATION DEVELOPMENT</strong></td>
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<td><strong>INTRODUCTION TO BLOCKCHAIN, CRYPTOCURRENCIES, AND IDENTITY</strong></td>
<td>3</td>
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<td><strong>AGILE SOFTWARE MANAGEMENT AND PROJECT AUTOMATION</strong></td>
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**Organization of digital circuits and computing architectures:** Fundamentals of digital circuits, combinational logic and sequential logic; processor components and processing architectures such as Von Neumann and Harvard architecture; control unit instruction word decoding and Instruction Level Parallelism (ILP); high level, assembly, and machine code; memory addressing modes, performance, and memory models; Random Access Model (RAM) and Candidate Type Architecture (CTA); analysis of single threaded code. 0707.00

**Acceptable for credit:** CSU, UC

**Management of Wide Area Networking (WAN) Technologies and Services:** Creation of complex and converged networks and applications; establish selection and performance criteria for network devices; monitor and troubleshoot network devices; resolution of common issues with data link protocols, IPsec and virtual private network (VPN) operations. 0702.00

**Design and integration of applications development (Dev) tools and Operations tools (Ops) into automated control systems:** monitoring of Source Code Management (SCM) repositories for changes to initiate automate software build, infrastructure provisioning, or configuration updates. Creation of Virtual Machines suitable for on-the-job use through hands-on project based learning. Apply best practices for toolchain configuration, monitoring, and testing software for Quality Assurance (QA). 0701.00

**Automation of software development processes:** Integration of agile and scrum methodologies with issue tracking systems (JIRA, VersionOne) using well-known communication styles; methods for organizing units of software development work; use of incident management tools with Jenkins Continuous Integration (CI) system to create integrated project implementation, reporting, and defect tracking systems. 0707.10
CIS 205
COMPUTER LITERACY
1 unit, .75 hours lecture, .75 hours laboratory (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in BUS 219.
Eligible for credit by examination.
Introduction to computers and information technology for people with no background in nor knowledge of computers. 0701.00
AA/AS area 4c

CIS 209
INTRODUCTION TO WINDOWS
1 unit, .75 hour lecture, .75 hour laboratory (GR or P/NP)
Recommended Preparation: CIS 205
Eligible for credit by examination.
Introduction to graphical user interfaces using Microsoft Windows. 0702.00
AA/AS area 4c

CIS 221
CYBER SAFETY, ONLINE IDENTITY, AND COMPUTER LITERACY
1 unit, .75 hour lecture, .75 hour laboratory (GR or P/NP)
Eligible for credit by examination.
Introduction to computers and instruction in computer safety awareness, identity management, and protection: Overview of computers, mobile devices, software, and connected interactive systems such as social networks; introduction for the novice to cybersecurity career opportunities, cyber ethics, online safety, how computers work, and cyber threats; cybersecurity principles, security policies, tools, account management and fundamental network connectivity and security; analysis and repair of vulnerabilities; introduction to cyber competition. 0701.00
AA/AS area 4c

CIS 234A
WORLD WIDE WEB PUBLISHING I
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Recommended preparation: CIS 233 and GRART 112
Creating and publishing Web pages over the Internet using the Hypertext Markup Language (HTML). 0709.00
AA/ AS area 4c

CIS 234B
WORLD WIDE WEB PUBLISHING II
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Prerequisite: CIS 233 and CIS 234A
Recommended preparation: GRART 112
Continuation of CIS 234A: Emphasis on advanced HTML and layout techniques, client-side image maps, CGI scripting, introduction to Cascading style sheets and dynamic scripting. 0709.00
AA/AS area 4c

CIS 234D
WEB AUTHORING
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Recommended preparation: CIS 234A
Art of web design and the power of web authoring in website content management and functionality: Website templates, customization, layout tables, interactive forms, frames, database interface, wizards, source controls, dynamic layers, instant updates, multimedia content, subsite and website management. 0709.00
AA/AS area 4c

CIS 239
HELP DESK TOOLS AND TECHNIQUES
1-4 units, 3-12 hours laboratory (GR or P/NP)
Prerequisite: CIS 1 or CIS 5 or CIS 6 or CIS 205
Recommended preparation: CIS 72
Technical challenge scenarios in information systems: Knowledge skills and abilities in cybersecurity, virtual machines, networks, infrastructure, and storage. 0701.00
AA/AS area 4c
The Computer Science discipline allows students to gain skill in the design of software and the implementation of software designs. It incorporates study in computational methods and science enabling the students to design models of systems that often cannot be directly measured and observed. This enables the creation of algorithms and specifications on how to solve a class of problems. This knowledge of architecture and design is combined with instruction in implementation (coding), analysis of software designs, and use of a programming language to create programs. These two distinct skill sets form the basis for software development workforce competencies. It also provides an essential foundation for the software entrepreneur; whether designing and coding your own application, or assessing the quality of software coded by others.

### COURSES

#### COMPUTER SCIENCE

**CS 20**  
**PYTHON APPLICATION PROGRAMMING**  
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Recommended Preparation: CIS 5; and MATH 2 or MATH 13 or MATH 203  
Acceptable for credit: CSU

Introduction to computer programming in Python 3: Control structures, algorithm design, and the integration of domain specific libraries (tensorflow, numpy, scipy) into a program; elements of good programming style and use of Object Oriented Programming (OOP) to manage complexity and Jupyter interactive notebooks to share results. 0707.10

**CS 43**  
**HIGH PERFORMANCE WEB APPLICATIONS AND SERVICES**  
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Prerequisites: CIS 6 or CIS 7; and  
Recommended Preparation: CIS 33 and CIS 66  
Acceptable for credit: CSU

Creation of high performance web applications and services: Object oriented programs using the HTTP protocol to deliver complex system-to-system producer/consumer relationships and Business to Business (B2B) interactions; performance focused use of frameworks: J2EE, Java Persistence Architecture (JPA), Apache Wicket, Object Relational Mapping (ORM), Hibernate, Message Queues, Message Buses, and Microservices. 0707.00

**CS 60**  
**APPLICATIONS OF ARTIFICIAL INTELLIGENCE AND DEEP LEARNING**  
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Recommended Preparation: CIS 5 or CIS 6; and MATH 3E  
Acceptable for credit: CSU

Use of systems that analyze data and suggest patterns: Scripts and computation intensive software libraries (neural networks, image classifiers) to detect patterns, trends, and groupings; exploration of classification models and data sets using tools (Python, Scikit-Learn, Tensorflow and Graphics Processing Units) to emulate learned behavior in software. 0701.00

**CS 80**  
**SOFTWARE ENGINEERING**  
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Recommended Preparation: CIS 5 and CIS 6 and CIS 51  
Acceptable for credit: CSU

Introduction to software engineering processes and practices: Formulation of user prototypes, capture of user requirements, organization of software development efforts, survey of methodologies, test methods, and test plans in development of software projects; use of agile software development, Test-Driven Development, version control, dependency management, and defect analysis. 0707.00
The Cooperative Work Experience Education (COPED) courses, in conjunction with a program of instruction, makes it possible for a student to obtain college credit for paid or volunteer experience. COPED provides work experience in a student’s field of study. Students learn about the industry they are interested in; they learn what their best job skills are, which skills need improvement, and how to work with people. If students perform well they may be offered jobs by their employers. Cooperative Work Experience Education courses provide the kind of "real-world experience" employers and graduate schools require.

During fall and spring semesters, students must enroll in a minimum of seven units including Cooperative Work Experience Education. During summer session, students must enroll in Cooperative Work Experience Education and one additional course.

Duplicate credit will not be granted for concurrent enrollment in General Work Experience and Occupational Work Experience education. A maximum of 16 units can be granted for occupational work experience or a combination of general and occupational work experience education. The student’s plan of work and study must have the approval of the college work experience supervisor.

Students may enroll in no more than three units of General Work Experience or four units of Occupational Work Experience per semester on the basis of 75 hours of paid work experience per semester per each unit of credit, or 60 hours of unpaid or volunteer work experience per semester, per each unit of credit.

## Courses

### COPED 450
**GENERAL WORK EXPERIENCE**

1 - 3 units, 3.43 - 12.86 hours laboratory (GR or P/NP)

Supervised employment: Acquisition of desirable work habits and attitudes; experience with potential careers. The employment need not be related to the student's educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 4932.00

### COPED 452A
**OCCUPATIONAL WORK EXPERIENCE IN LANDSCAPE HORTICULTURE**

1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in Landscape Horticulture or a related field: Extension of classroom learning to the job site. The employment must be related to the student's educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 0109.00

### COPED 456A
**OCCUPATIONAL WORK EXPERIENCE IN ACCOUNTING**

1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in Accounting or a related field: Extension of classroom learning to the job site. The employment must be related to the student's educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 0502.00

### COPED 456D
**OCCUPATIONAL WORK EXPERIENCE IN BUSINESS ADMINISTRATION**

1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in Business Administration or a related field: Extension of classroom learning to the job site. The employment must be related to the student's educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 0505.00

### COPED 456E
**OCCUPATIONAL WORK EXPERIENCE IN GENERAL BUSINESS**

1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in General Business or a related field: Extension of classroom learning to the job site. The employment must be related to the student's educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 0501.00

### COPED 456K
**OCCUPATIONAL WORK EXPERIENCE IN REAL ESTATE**

1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in Real Estate or a related field: Extension of classroom learning to the job site. The employment must be related to the student's educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 0511.00
COPED 456Q
OCCUPATIONAL WORK EXPERIENCE IN ADMINISTRATIVE OFFICE SYSTEMS AND APPLICATIONS
1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in Administrative Office Systems & Applications or a related field: Extension of classroom learning to the job site. The employment must be related to the student’s educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 0514.00

COPED 469
OCCUPATIONAL WORK EXPERIENCE IN SECURITY ADMINISTRATION
1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in Security Administration or a related field: Extension of classroom learning to the job site. The employment must be related to the student’s educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 0702.00

COPED 470C
OCCUPATIONAL WORK EXPERIENCE IN RADIOLOGIC SCIENCE
1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in Radiologic Science or a related field: Extension of classroom learning to the job site. The employment must be related to the student’s educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 1225.00

COPED 470F
OCCUPATIONAL WORK EXPERIENCE IN MEDICAL ASSISTING
1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in Medical Assisting or a related field: Extension of classroom learning to the job site. The employment must be related to the student’s educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 1208.10

COPED 472A
OCCUPATIONAL WORK EXPERIENCE IN CHILD DEVELOPMENT
1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in Child Development or a related field: Extension of classroom learning to the job site. The employment must be related to the student’s educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 1305.00

COPED 474A
OCCUPATIONAL WORK EXPERIENCE IN PARALEGAL STUDIES
1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in Paralegal Studies or a related field: Extension of classroom learning to the job site. The employment must be related to the student’s educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 1402.00

COPED 476A
OCCUPATIONAL WORK EXPERIENCE IN ADMINISTRATION OF JUSTICE
1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in Administration of Justice or a related field: Extension of classroom learning to the job site. The employment must be related to the student’s educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 2105.00

COPED 476C
OCCUPATIONAL WORK EXPERIENCE IN COMMUNITY SOCIAL SERVICES
1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in Community Social Services or a related field: Extension of classroom learning to the job site. The employment must be related to the student’s educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 2104.00
COPED 476F
OCCUPATIONAL WORK EXPERIENCE IN ENVIRONMENTAL MANAGEMENT AND TECHNOLOGY
1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in Environmental Management and Technology or a related field: Extension of classroom learning to the job site. The employment must be related to the student's educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 0303.02

COPED 476G
OCCUPATIONAL WORK EXPERIENCE IN HISTOTECHNOLOGY
1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in Histotechnology or a related field: Extension of classroom learning to the job site. The employment must be related to the student's educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 0430.00

COPED 476H
COOPERATIVE WORK EXPERIENCE IN FIRE SCIENCE
1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in Fire Science or a related field: Extension of classroom learning to the job site. The employment must be related to the student's educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 2133.50

COPED 484B
OCCUPATIONAL WORK EXPERIENCE IN BIOSCIENCE
1-4 units, 3.43 – 17.15 hours laboratory (GR or P/NP).

Supervised employment in Bioscience or a related field: Extension of classroom learning to the job site. The employment must be related to the student's educational or occupational goals. Each 75 hours of paid work equals one unit, while each 60 hours of non-paid work equals one unit. Students can earn at most 16 units through general and occupational work experience courses combined, but may re-enroll in such courses any number of times until the maximum of 16 units is earned. 0430.00
Counseling courses are aimed at assisting students to develop skills to succeed in college and elsewhere and to make effective career and life choices. Courses address various areas of academic, career and personal development.

COURSES

COUNSELING

COUN 24
COLLEGE SUCCESS
3 units, 3 hours lecture (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in LRNRE 24.
Acceptable for credit: CSU, UC

Identification and development of resources that facilitate college success: High-performance learning utilizing information organization and management, critical-thinking and problem-solving skills, effective time management, learning styles and strategies and memory theory, goal setting and educational planning, and campus/community resources. 4930.10
CSU area E

COUN 30
PERSONAL GROWTH AND DEVELOPMENT
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Examination of the psycho-social dynamics of personal growth: Focus on self-exploration, learning to make choices, stress and coping, interpersonal relationships, origin and resolution of conflicts and the role of emotions in behavior and health; includes active personal involvement, group interaction, and self-study. 4930.10
AA/AS Area 2; CSU Area E

COUN 57
CAREER AND LIFE PLANNING
3 units, 3 hours lecture (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in LRNRE 57.
Acceptable for credit: CSU, UC

In-depth career and life planning: Self-exploration, identifying values, interests, needs and goals; development of skills for assuming careers and lifestyles over the life span, influence of career choice on the quality of life, and the development of a career action plan. Designed to assist those students considering the transition of a career change or undecided about the selection of a college transfer major. 4930.10
CSU area E

COUN 200A
ORIENTATION TO COLLEGE
.5 units, .5 hours lecture (GR or P/NP)

Information for new students: College programs, policies and procedures, campus resources and assessment. 4930.10

COUN 200B
ORIENTATION TO COLLEGE
.5 units, .5 hours lecture (GR or P/NP)
Recommended preparation: COUN 200A

Educational planning and college success skills: Development of a Student Educational Plan (SEP) with a counselor and introduction to topics such as time management, study skills, note-taking, and test-taking techniques. 4930.10

COUN 203
DISABILITY AND ACADEMIC SUCCESS
3 units, 3 hours lecture (GR or P/NP)

Disability and success: Information and academic planning assistance for students with disabilities to access services and complete their academic goals. 4930.10

COUN 207A
CAREER EXPLORATION
1 unit, 1 hour lecture (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in COUN 207.

Career decision making: Exploration and clarification of values, skills, and goals to facilitate informed and realistic career choices, and introduction to personal and occupational assessment tools. 4930.10

COUN 207C
CAREER EXPLORATION
1 unit, 1 hour lecture (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in COUN 207.

Job search skills: Resumes, cover letters, telephone skills, networking, and interviewing techniques. 4930.10

COUN 221
PREPARING FOR COLLEGE/UNIVERSITY TRANSFER
.5 unit, .5 hour lecture (GR or P/NP)

In-depth information and assistance with the transfer process to four-year colleges and universities: Lower-division major and general education requirements, college/university selection, admission procedures, application deadlines, financial aid, and scholarship information. Students will receive the information necessary to develop a Student Educational Plan (SEP) for transfer. 4901.10
COUN 224
COLLEGE PREPAREDNESS
2-3 units, 2-3 hours lecture (GR or P/NP)
Recommended preparation: COUN 200A and 200B

Acquisition of college success skills: Time management, good study habits, effective note taking, goal-setting strategies, educational planning, and use of library and other learning resources. 4930.10

NONCREDIT COURSE

COUN 501
COUNSELING LEARNING LAB
0 units, 1-5 hours laboratory (P/NP or SP)
Open-entry/open-exit
Course may be repeated as necessary. Student may attend multiple sessions per semester.

Success and retention strategies offered in small groups: Provides supervised tutoring to students in overcoming barriers in reaching their educational goals and increasing their successful completion of college courses and programs. 4930.14
ECONOMICS (ECON)

The Economics department prepares students to enter the business world with knowledge of economic trends and conditions.

The goal of the Associate in Arts in Economics for Transfer (AA-T) degree is to prepare students interested in transferring and obtaining a baccalaureate degree in economics in the CSU system.

Upon completion of the appropriate baccalaureate degree and education, students will be prepared to enter occupations as follows: Economist (Financial, Political, Environmental, and Research and Education), Financial Advisor, Financial Analyst, Business Analyst, Actuary, Economic Affairs Officer, Accountant, Stock Broker, Investment Advisor, Banker, Economic Analyst, Budget Analyst, Industry Analyst, Loan Officer, Project Administrator, Research Assistant, State Policy Analyst, Statistician, Systems Analyst, Financial Examiner, and Auditor.

**Merritt College offers the following degree programs in Economics:**

**ECONOMICS**
- ASSOCIATE IN ARTS IN ECONOMICS FOR TRANSFER (AA-T) DEGREE
- ASSOCIATE IN ARTS (AA) DEGREE
ECONOMICS ASSOCIATE IN ARTS (AA) DEGREE

DESCRIPTION
The Associate in Arts in Economics Degree program is designed to prepare students for transfer to four-year institutions; to enter the business world with knowledge of economic trends and conditions; or to provide training for such positions as market analyst, sales analyst, or stockbroker.

To qualify for the Associate in Arts in Economics degree, students must satisfactorily complete the Degree Major requirements specified below and the local AA/AS General Education requirements. See the Associate Degrees section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS General Education requirements.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Analyze the current economic conditions in the United States and identify appropriate policy options.
2. Apply fundamental economic concepts, including the construction of the primary economic models.
3. Evaluate complex social and economic problems using theoretical tools and quantitative methods of business and economics.
4. Demonstrate an understanding of the major elements of business and its terminology.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 1A</td>
<td>Financial Accounting</td>
<td>4</td>
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<tr>
<td>BUS 10</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>CIS 1</td>
<td>Introduction to Computer Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>ECON 1</td>
<td>Principles of Economics (Macro-Economics)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2</td>
<td>Principles of Economics (Micro-Economics)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 13</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>BUS 2</td>
<td>Introduction to Business Law</td>
<td>(3)</td>
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<tr>
<td>BUS 5</td>
<td>Human Relations in Business</td>
<td>(3)</td>
</tr>
</tbody>
</table>

Major Requirements 21

Total Units 60
PROGRAMS

ECONOMICS

ASSOCIATE IN ARTS IN ECONOMICS FOR TRANSFER (AA-T) DEGREE

DESCRIPTION
The Associate in Arts in Economics for Transfer (AA-T) degree is intended to meet the lower division requirements for Economics majors or majors that have been deemed similar in the California State University (CSU) system. The study of economics at Merritt College is intended to provide students with knowledge, appreciation, and ability to analyze the production, distribution and consumption of wealth in human society.

Successful completion of the degree affords students specific guarantees for transfer to the California State University (CSU) system such as admission to a CSU with junior status, priority admission to their local CSU campus and to a program or major in economics or similar major. Students transferring to a CSU campus will be required to complete no more than 60 semester or 90 quarter units after transfer to earn a bachelor’s degree.

To qualify for the Associate in Arts in Economics for Transfer (AA-T) degree, students are required to complete 60 semester units that are eligible for transfer to a California State University, including both of the following:
1. The California State University General Education – Breadth Requirements (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) and
2. 18-19 semester units with a grade of "C" or better, or "P" if the course is taken on a "Pass/No-Pass" basis, in the major and an overall minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework. (Some universities may have limits on the number of Pass/No-Pass units they will accept for transfer. See a counselor for more information.)

See the Transfer to Four-Year Colleges and Universities section of this catalog for more information on AA-T overall requirements and CSU GE-Breadth or IGETC.

NOTE: students should see a counselor at least once each semester to plan for their educational goal.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Analyze the current economic conditions in the United States and identify appropriate fiscal and monetary policy options in relation to the US economy.
2. Apply fundamental economic concepts, including the construction of the primary economic models.
3. Evaluate complex social and economic problems using the theoretical tools and quantitative methods of economics.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Core Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 1</td>
<td>Principles of Economics (Macro-Economics)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2</td>
<td>Principles of Economics (Micro-Economics)</td>
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</tr>
<tr>
<td>MATH 13</td>
<td>Introduction to Statistics</td>
<td>4</td>
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<tr>
<td>MATH 3A</td>
<td>Calculus I</td>
<td>5</td>
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<tr>
<td>Major Elective Courses</td>
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<tr>
<td>Group A</td>
<td>Select two courses for 8-9 units from the following:</td>
<td></td>
</tr>
<tr>
<td>MATH 3B</td>
<td>Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>BUS 1A</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 1B</td>
<td>Managerial Accounting</td>
<td>4</td>
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<tr>
<td>Major Requirements</td>
<td>23-24</td>
<td></td>
</tr>
<tr>
<td>General Education (CSU GE or IGETC) (9 units may be double counted)</td>
<td>37-39</td>
<td></td>
</tr>
<tr>
<td>Electives (CSU transferable courses)</td>
<td>6-9</td>
<td></td>
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<tr>
<td>Total Units</td>
<td>60</td>
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</tbody>
</table>

Merritt College Catalog 2019-2020
ECONOMICS

ECON 1
Principles of Economics (Macro-Economics)
3 units, 3 hours lecture (GR)
Prerequisite: MATH 203 or MATH 211D or MATH 230
Acceptable for credit: CSU, UC

Introductory economic concepts: Measurements of national income and production; causes of inflation, recession, and depression; money and banking; government monetary and fiscal (spending and taxation) policies; stabilization techniques; economic growth; history of economic thought and philosophy. 2204.00
AA/AS area 2; CSU area D; IGETC area 4B

ECON 2
Principles of Economics (Micro-Economics)
3 units, 3 hours lecture (GR)
Prerequisite: MATH 203 or MATH 211D or MATH 230
Acceptable for credit: CSU, UC

Principles of micro-economics: Forms of business organization, theory of the firm within competitive and non-competitive markets, distribution of income, poverty, labor issues, agriculture. 2204.00
AA/AS area 2; CSU area D; IGETC area 4B
EDUCATION

EDUC 1
INTRODUCTION TO THE FIELD OF EDUCATION
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Historical and sociological analysis of the education system and careers in teaching: Study of principles of effective instructional models with emphasis on student-centered and culturally-relevant methods, research of resources for curriculum and instruction, and observation of teaching practices in local schools. 0801.00
AA/AS area 2
The Merritt Online Teaching Certificate prepares educators to teach and improve online courses using best practices and recognized online teaching standards—topics include: learning models, student satisfaction and feedback, multimedia creation, and universal access. This certificate is designed for instructional designers, instructional support staff or anyone interested in developing quality online and/or blended courses.

The Certificate consists of 5 three-unit courses and 1 two-unit course for a total of 17 units. After completion of all courses, students will also complete a capstone project that includes the development of an online or hybrid course.

**Merritt College offers the following certificate program in Educational Technology:**

**ONLINE TEACHING**
- CERTIFICATE OF PROFICIENCY
ONLINE TEACHING
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Online Teaching Certificate of Proficiency program is designed to introduce students to the concepts and technology involved in the use of online tools, learning management systems, student feedback techniques and support, and student-centered learning.

A Certificate of Proficiency will be awarded upon satisfactory completion of the requirements specified below. The Certificate of Proficiency is not indicated on the student's transcript.

CAREER OPPORTUNITIES
Career and Employment Opportunities in the Field of Educational Technology include teaching, as the EDT certificate helps educators think deeply about the connection between pedagogy, technology and content knowledge. Some students go on to teach at online schools or academies as a supplement to their face-to-face teaching. EDT students also become Technology Integration Specialists, whose job duties include developing curriculum and assessments, co-teaching, staff-development, and school planning and visioning. Others become Educational Technology Consultants. EDT Tech consultants may run online training, develop curriculum and assist with educational technology policies and procedure development. Instructional Designers are often in charge of designing online or hybrid learning experiences. They may work within a learning management system (like Moodle or Canvas) or create stand-alone instructional resources. Instructional designers often work alongside faculty members at the community college or university level.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Create interactive, online assignments that will promote critical thinking and active learning.
2. Create a variety of online course modules appropriate for a given course.
3. Demonstrate understanding of universal design and accessibility across the digital divide, as well as Section 508 accessibility.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Core Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDT 1</td>
<td>Introduction to Online Teaching</td>
<td>3</td>
</tr>
<tr>
<td>EDT 2</td>
<td>Introduction to Using Online Courseware (Moodle)</td>
<td>3</td>
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<tr>
<td>EDT 3</td>
<td>Introduction to Hybrid Teaching</td>
<td>3</td>
</tr>
<tr>
<td>EDT 4</td>
<td>Designing Curriculum for Online Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDT 5</td>
<td>Creating Multimedia for Online Classes</td>
<td>3</td>
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<tr>
<td>EDT 6</td>
<td>Providing Support for Online Learners</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Units 17
EDUCATIONAL TECHNOLOGY

EDT 1
INTRODUCTION TO ONLINE TEACHING
3 units, 2 hours lecture, 3 hours laboratory (GR or P/ NP)
Recommended preparation: CIS 1 or CIS 200 or equivalent
Acceptable for credit: CSU
Online/hybrid teaching pedagogy: Universal design in online course materials; effective organization and delivery of online materials; teaching and learning styles; effective online communication using discussion boards, live chat, online forums, blogs and wikis; best practices for online student assessment and grading; retention and motivation of online students. 0860.00
AA/AS area 4c

EDT 2
INTRODUCTION TO USING ONLINE COURSEWARE (MOODLE)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/ NP)
Recommended preparation: CIS 1 or CIS 200 or equivalent
Acceptable for credit: CSU
Introduction to online courseware using Moodle and/ or other course management systems: Creating and uploading materials, creating and importing quizzes, setting testing parameters; adding resources, web and text pages; using blogs and wikis, online discussion tools including forums and email, online glossaries, and grading tools; adding multimedia, audio, and podcasts; and basic administrative functions, including setting preferences and access. 0860.00
AA/AS area 4c

EDT 3
INTRODUCTION TO HYBRID TEACHING
3 units, 2 hours lecture, 3 hours laboratory (GR or P/ NP)
Acceptable for credit: CSU
Effective practices in hybrid course design and teaching pedagogy: Designing effective online learning activities to meet specific goals and objectives using a combination of online and in-class learning activities; integrating online activities with the face-to-face meetings; organizing course materials; automating basic activities such as quizzes, grading, and surveys; assisting students to adapt to an online environment; managing discussion threads, course documents, announcements, and grades. 0860.00
AA/AS area 4c

EDT 4
DESIGNING CURRICULUM FOR ONLINE INSTRUCTION
3 units, 2 hours lecture, 3 hours laboratory (GR or P/ NP)
Recommended preparation: CIS 200 or CIS 205
Acceptable for credit: CSU
Modification of the curriculum design process for online instruction: Restructuring course materials for online teaching and learning and creating accessible online materials for all learning styles; locating and using course materials designed by textbook publishers, and free online tools to create course content; integrating free resources such as e-books, learning objects, video and podcasts, educational blogs, and multimedia into the curriculum. 0860.00
AA/AS area 4c

EDT 5
CREATING MULTIMEDIA FOR ONLINE CLASSES
3 units, 2 hours lecture, 3 hours laboratory (GR or P/ NP)
Acceptable for credit: CSU
Creating multimedia content and objects for use in online course management systems: Developing videos, podcasts, video casts and other types of multimedia using open source/free tools; creating accessible multimedia. 0860.00
AA/AS area 4c

EDT 6
PROVIDING SUPPORT FOR ONLINE LEARNERS
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Online/hybrid teaching pedagogy: Providing support to online students in the areas of technology, online learning methodologies, study skills, preparation before taking an online class, standards and models for student/teacher contact. 0860.00
AA/AS area 4c

EDT 7
BUILDING OPEN EDUCATIONAL RESOURCES
3 units, 3 hours lecture (GR or P/ NP)
Acceptable for credit: CSU
Understanding and development of Open Education Resources: E-portfolio development, fair usage and creative commons licensing; evaluation of existing online resources and e-texts; finding and using primary sources; identifying OER ADA compliance requirements; peer review and collaboration; development, publishing and archiving of OER in the public domain. 0860.00
AA/AS area 4c

NONCREDIT COURSE

EDT 502
INTRODUCTION TO ONLINE LEARNING
0 units, 1 hour lecture (P/NP)
Online learning literacy: Basic skills required to learn online, LMS functions and online communication. 0801.0
Emergency medical service delivery is a highly specialized field, requiring knowledge of the human body, various medical/trauma emergencies, and how to provide proper care for individuals with potentially life-threatening conditions. The Emergency Medical Technician (EMT) Certificate of Proficiency program teaches students how to recognize various medical and trauma ailments; properly treat and transport individuals who are sick or injured; complete medical documentation on an electronic reporting platform; and, how to work in a 911 emergency system.

All EMT courses meet National Registry of EMT (NREMT), California EMS Authority, and Alameda County EMS regulations.

Merritt College offers the following certificate program in Emergency Medical Technician:

**EMERGENCY MEDICAL TECHNICIAN**
- CERTIFICATE OF PROFICIENCY
EMERGENCY MEDICAL TECHNICIAN CERTIFICATE OF PROFICIENCY

DESCRIPTION
Emergency Medical Technician-Basic (EMT 211) is a full-semester-long course designed to prepare students for national certification as an EMT-1. Students will learn a multitude of skills including patient assessment; spinal immobilization; bleeding control; use of oxygen and airway adjuncts; and splinting techniques. Didactic lectures will cover the following areas: Anatomy and physiology of the human body; neurological emergencies; cardiac emergencies; shock; diabetic emergencies; traumatic injuries; pediatric emergencies; geriatric emergencies; pharmacology; hazardous materials; ambulance operations; patient transport; mass casualty training; and introduction to the role of EMS personnel within the Incident Command System.

Upon successful completion of coursework, students will be eligible to sit for the licensing examination with the National Registry of Emergency Medical Technicians. Additionally, students may proceed to the next phase of the certification process with the Alameda County Emergency Medical Services Agency. A Certificate of Proficiency will be awarded upon satisfactory completion of EMT 211. The Certificate of Proficiency is not indicated on the student’s transcript.

NOTE: Students should see a counselor at least once each semester to plan for their educational goal(s).

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Perform the 12 mandatory skills determined by the Health and Safety Code, Title 22.
2. Describe the anatomy and physiology of each major body system.
3. Perform lifesaving treatment interventions for the sick/injured based on their scope of practice.
4. Identify signs and symptoms of injuries/illnesses to the cardiovascular, respiratory, neurological, endocrine and skeletal systems of the human body.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMT 211</td>
<td>Emergency Medical Technician-Basic</td>
<td>6</td>
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</tbody>
</table>

Total Units 6
EMERGENCY MEDICAL TECHNICIAN

EMT 211
EMERGENCY MEDICAL TECHNICIAN–BASIC
6 units, 4 hours lecture, 6 hours laboratory (GR or P/NP)
Prerequisites: CPR for Professional Rescuer (Red Cross), or CPR per American Heart Association Guidelines 2000 for the Healthcare Provider, or ASHI CPR PRO; and Health clearances: Two recent TB skin tests by first class meeting (done within 6 months of beginning of class with verification to be provided by last day to add classes for a term); and hepatitis B vaccine (completion of 2 of 3-shot series by last day to add classes for a term).

Course meets California Code of Regulations (Title 22) criteria. Students who successfully complete the course will be eligible to sit for the licensing examination with the National Registry of Emergency Medical Technicians. Additionally, students may proceed to the next phase of the certification process with the Alameda County Emergency Medical Services Agency.

Overview of basic procedures for EMT: Patient assessment, anatomy and physiology of the human body, neurological emergencies, cardiac emergencies, shock, diabetic emergencies, traumatic injuries, pediatric emergencies, geriatric emergencies, pharmacology, hazardous materials, ambulance operations, patient transport, mass casualty training. 1250.00

EMT 221
PARAMEDIC
22 units, 335 term hours lecture, 144 term hours laboratory (GR or P/NP)

Prerequisites: BIOL 2 and BIOL 4, or BIOL 20A and BIOL 20B
Conditions of enrollment: EMT 211 or proof of current EMT-B, NREMT-B or EMT 2 certificate (must have successfully completed an approved EMT-B or EMT 2 program and have a current card); CPR for Professional Rescuer (Red Cross), or CPR per American Heart Association Guidelines 2000 for the Healthcare Provider, or ASHI CPR PRO; Health clearances: Current immunization records for: TB within 1 year; tetanus within 1 year; MMR- Measles, mumps, rubella (childhood record OK); and hepatitis B (at least shot #1 in series) by start of class; High school diploma or GED; and California driver’s license.

Recommended preparation: HLTOC 201 and/or HLTOC 202
Course meets California Code of Regulations (Title 22) criteria. Students who successfully complete the course and internship requirements are eligible to take the National Registry Paramedic exam required for licensure within the State of California.

Advanced training in operational aspects and emergency medical care techniques considered within the responsibilities of the Paramedic: Skill development in the recognition and treatment of illness and injuries, and proper procedures of emergency care. 1251.00

EMT 230
EMERGENCY MEDICAL RESPONDER
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR/P/NP)

Introduction to first responder training: Patient assessment, ventilation and airway obstruction, circulation and CPR; illness and injury emergencies such as poisoning and substance abuse, behavioral emergencies, bleeding and soft tissue and muscle and bone injuries; childbirth, children, and geriatric emergencies; lifting and moving individuals; EMS operations, extrication and rescue operations; legal and ethical issues confronting the first responder; communications and documentation; and stress response and well-being of the first responder. 1250.00

EMT 261
EMERGENCY MEDICAL TECHNICIAN RECERTIFICATION
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)

Prerequisite: Current EMT certification or EMT certification that has not been expired for more than six months, and current CPR certification at the Health Care Level, and fee of $25 to the State Fire Marshall

Recertification through review of didactic and practical techniques required of the Emergency Medical Technician: Examination of all aspects of the job including roles and responsibilities of the Emergency Medical Technician, medical-legal aspects, human systems and basic anatomy, types of emergencies encountered, extrication and rescue of patients, and documentation and communications. 1250.00
The English Department offers a variety of classes including composition and reading and literature. These classes provide students with the foundational skills for all other courses at Merritt. Studying English helps develop reading, writing and critical thinking skills and prepares students to reach transfer, certificate and/or career goals.

Careers for English majors include a variety of options in fields such as law, education, journalism, mass media, marketing, public relations, communications, business administration, and the humanities.

**ENGLISH (ENGL)**

**ENGLISH 1A**
**COMPOSITION AND READING**
4 units, 4 hours lecture (GR)
Prerequisite: ENGL 201B or ENGL 264B or ESL 21B or ESL 52B or appropriate placement through multiple-measures assessment process.
Acceptable for credit: CSU, UC

Reading and writing expository prose: Critical thinking, identifying logical fallacies, and reasoning inductively and deductively. 1501.00
AA/AS area 4a, 4d; CSU area A2; IGETC area 1A
C-ID: ENGL 100

**ENGLISH 1B**
**COMPOSITION AND READING**
4 units, 4 hours lecture (GR)
Prerequisite: 1A
Acceptable for credit: CSU, UC

Continued expository writing: Careful reading of selected plays, poems, and novels. 1501.00
AA/AS area 3, 4a, 4d; CSU area C2; IGETC area 3B
C-ID: ENGL 120

**ENGLISH 5**
**CRITICAL THINKING IN READING AND WRITING**
3 units, 3 hours lecture (GR)
Prerequisite: ENGL 1A
Acceptable for credit: CSU, UC

Development of the ability to analyze, criticize, and advocate ideas: Relationship of language to logic, induction and deduction, facts, inferences, judgments, and formal and informal fallacies of language and thought. Instructs in writing about issues of critical thinking to develop both thinking and writing skills. 1501.00
AA/AS area 4a, 4d; CSU area A3; IGETC area 1B
C-ID: ENGL 105

**ENGLISH 10A**
**CREATIVE WRITING**
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC

Writing fiction, poetry, and drama: Careful analysis of the techniques used by established writers. 1507.00

**ENGLISH 49**
**INDEPENDENT STUDY IN ENGLISH**
.5-5 units (GR)
Prerequisite: ENGL 201A or appropriate placement through multiple-measures assessment process.
Acceptable for credit: CSU

See section on Independent Study. 1501.00

**ENGLISH 100**
**COLLEGE COMPOSITION AND READING**
4 units, 4 hours lecture (GR or P/NP)
Prerequisite: ENGL 201A or appropriate placement through multiple-measures assessment process.
Acceptable for credit: CSU

Course does not satisfy the GE composition requirement for transfer.

Reading and writing of expository prose: Critical thinking using inductive and deductive reasoning; clarity and precision of expression; organizational structures in writing and sound development of ideas. 1501.00
AA/AS area 4a, 4d

**ENGLISH 201A**
**PREPARATION FOR COMPOSITION AND READING**
4 units, 4 hours lecture (GR)
Prerequisite: ENGL 252B or appropriate placement through multiple-measures assessment process.

Introduction to college-level reading and writing of expository prose: Development of college-level reading skills; analysis of texts with an emphasis on non-fiction; expository writing including various modes of developing essays, essay organization; paragraph development; sentence development; and practice in editing/proofreading. 1501.00
AA/AS area 4d

**ENGLISH 201B**
**PREPARATION FOR COMPOSITION AND READING**
4 units, 4 hours lecture (GR)
Prerequisite: ENGL 201A or appropriate placement through multiple-measures assessment process.

Continuation of college-level reading and writing of expository prose: Development of college-level reading skills; analysis of texts with an emphasis on non-fiction; expository writing including various modes of developing essays, essay organization; paragraph development; sentence development; and practice in editing/proofreading. 1501.00
AA/AS area 4d
### COURSES

**ENGL 208**
**WRITING WORKSHOP**
.5-1 unit, .25-.5 hours lecture, .75-1.5 hours laboratory (GR or P/NP)

Individualized instruction in writing utilizing computers: Grammar and punctuation, sentence structure, idea development and/or organizational skills. 1501.00

**ENGL 264A**
**PREPARATION FOR COMPOSITION, READING, AND RESEARCH**
4 units, 3 hours lecture, 3.5 hours laboratory (GR or P/NP)

Introduction to college-level composition, reading, and research: Active reading strategies; writing and prewriting strategies; argumentation techniques; research techniques. 1501.00

### NONCREDIT COURSES

**ENGL 508A**
**ACADEMIC COMPOSITION SKILLS:**
**PREWRITING AND ORGANIZATION**
0 units, 1-15 hours laboratory (P/NP)
Open-entry/open-exit

Individualized instruction in academic composition: Prewriting and essay organization. 1501.00

**ENGL 508B**
**ACADEMIC COMPOSITION SKILLS:**
**PARAGRAPH DEVELOPMENT, ANALYSIS, AND RESEARCH**
0 units, 1-15 hours laboratory (P/NP)
Open-entry/open-exit

Individualized instruction in academic composition: Paragraph development, analysis, and research. 1501.00

**ENGL 508C**
**ACADEMIC COMPOSITION SKILLS:**
**SENTENCE STRUCTURE AND PROOFREADING**
0 units, 1-15 hours laboratory (P/NP)
Open-entry/open-exit

Individualized instruction in academic composition: Sentence structure and proofreading. 1501.00
The English for Speakers of Other Languages department offers courses designed to develop reading, writing, listening, and speaking skills for students whose native language is not English. The Bridge to Credit ESOL program is a noncredit program designed to ensure that students gain the English language requirements to enter the credit ESOL program. The program also prepares students for the academic rigor of credit courses by introducing them to organizational tools that will help them succeed in college.

Merritt College offers the following noncredit certificate program in English Speakers of Other Languages:

BRIDGE TO CREDIT ESOL
  • Certificate of Competency
PROGRAMS

BRIDGE TO CREDIT
CERTIFICATE OF COMPETENCY
NONCREDIT

DESCRIPTION
The Bridge to Credit Certificate of Competency verifies that a student has successfully completed the noncredit ESOL course sequence. This sequence prepares students for the academic rigor of credit courses by integrating English language instruction with organizational tools for student success. Students interested in completing the certificate should consult with the ESOL program chair and a counselor.

CAREER OPPORTUNITIES
This certificate’s emphasis on organizational life skills will prepare non-native speaking students for vocational programs and job advancement. The certificate will provide international students with evidence of English study, which may make a job-seeker more competitive in many countries.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Synthesize written information and technological skills to register for credit-level courses at an educational institution.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
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<td></td>
<td>Major Core Courses</td>
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</tr>
<tr>
<td>ESOL 541A</td>
<td>Bridge to Credit ESOL - Level I</td>
<td>50.05 - 96.075</td>
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<tr>
<td>ESOL 541B</td>
<td>Bridge to Credit ESOL - Level II</td>
<td>50.05 - 96.075</td>
</tr>
<tr>
<td>ESOL 541C</td>
<td>Bridge to Credit ESOL - Level III</td>
<td>50.05 - 96.075</td>
</tr>
<tr>
<td>ESOL 541D</td>
<td>Bridge to Credit ESOL - Level IV</td>
<td>50.05 - 96.075</td>
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<td></td>
<td>Competency Requirement</td>
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<tr>
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RECOMMENDED COURSE SEQUENCE

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<th>Subject #</th>
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<th>Hours</th>
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<td>Year 1- Fall</td>
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<tr>
<td>ESOL 541A</td>
<td>Bridge to Credit ESOL - Level I</td>
<td>50.05 - 96.075</td>
</tr>
<tr>
<td>ESOL 541B</td>
<td>Bridge to Credit ESOL - Level II</td>
<td>50.05 - 96.075</td>
</tr>
<tr>
<td>ESOL 541C</td>
<td>Bridge to Credit ESOL - Level III</td>
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<tr>
<td></td>
<td>Total Hours</td>
<td>134.00 - 384.30</td>
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</table>
The English for Speakers of Other Languages program offers courses designed to develop reading, writing, listening, and speaking skills to students whose native language is not English.

<table>
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<tr>
<th>Subject Area</th>
<th>High Beginning</th>
<th>Intermediate</th>
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<th>Advanced*</th>
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<td>Listening/ Speaking</td>
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<td>232A/B</td>
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<td>Reading/ Writing</td>
<td>285A/B</td>
<td>222A/B</td>
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<td>Grammar</td>
<td>284A/B</td>
<td>215A/B</td>
<td>216A/B</td>
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</table>

*High Intermediate and Advanced ESOL courses are not currently offered at Merritt College. Please check the catalogs of Berkeley City College, College of Alameda, or Laney College for course listings.

ESOL 261A
LISTENING AND SPEAKING 1
4 units, 4 hours lecture (GR or P/NP)
Not open for credit to students who have completed ESL 283A.
Prerequisite: Placement through multiple-measures assessment process.

High beginning level listening and speaking: Improving fluency and accuracy in American English through listening comprehension, grammar, vocabulary, idioms, pronunciation and presentation skills. 4930.86

ESOL 261B
LISTENING AND SPEAKING 1
4 units, 4 hours lecture (GR or P/NP)
Not open for credit to students who have completed ESL 283B.
Prerequisite: ESOL 261A or ESL 283A

Continuation of ESOL 261A: Improving fluency and accuracy in American English through listening comprehension, grammar, vocabulary, idioms, pronunciation and presentation skills. 4930.86

ESOL 262A
LISTENING AND SPEAKING 2
4 units, 4 hours lecture (GR or P/NP)
Not open for credit to students who have completed ESL 232A.
Prerequisite: ESOL 261B or ESL 283B or placement through multiple-measures assessment process.

Intermediate level listening and speaking: Improving fluency and accuracy in American English through listening comprehension, grammar, vocabulary, idioms, pronunciation, and presentation skills. 4930.86

ESOL 262B
LISTENING AND SPEAKING 2
4 units, 4 hours lecture (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in ESL 232B.
Prerequisite: ESL 232A or ESOL 262A

Continuation of ESOL 262A: Improving fluency and accuracy in American English through listening comprehension, grammar, vocabulary, idioms, pronunciation and presentation skills. 4930.86

ESOL 271A
GRAMMAR 1
4 units, 4 hours lecture (GR or P/NP)
Not open for credit to students who have completed ESL 284A.
Prerequisite: Placement through multiple-measures assessment process.

High beginning level of English grammar: Basic grammar structures, sentence patterns and parts of speech. 4930.87

ESOL 271B
GRAMMAR 1
4 units, 4 hours lecture (GR or P/NP)
Not open for credit to students who have completed ESL 284B.
Prerequisite: ESOL 271A or ESL 284A

Continuation of ESOL 271A: Basic grammar structures, sentence patterns and parts of speech. 4930.87

ESOL 272A
GRAMMAR 2
4 units, 4 hours lecture (GR or P/NP)
Not open for credit to students who have completed ESL 215A.
Prerequisite: ESOL 271B or ESL 284B or placement through multiple-measures assessment process.

Intermediate level of English grammar: Introduction to complex grammar structures and sentence patterns. 4930.87
ESOL 272B
GRAMMAR 2
4 units, 4 hours lecture (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in ESL 215B.
Prerequisite: ESL 215A or ESOL 272A
Continuation of ESOL 272A: Introduction to complex grammar structures and sentence patterns. 4930.87

ESOL 502
ENGLISH FOR INFANT/TODDLER DEVELOPMENT
0 units, .75 hour lecture (P/NP)
Corequisite: CHDEV 502
English language skills for common infant/toddler development topics: Practice in reading, writing, speaking and listening. 4931.00

ESOL 503
ENGLISH FOR INFANT/TODDLER CURRICULUM
0 units, .75 hour lecture (P/NP)
Corequisite: CHDEV 503
English language skills for common infant/toddler curriculum topics: Practice in reading, writing, speaking and listening. 4931.00

ESOL 504
ENGLISH FOR EARLY CHILDHOOD DEVELOPMENT
0 units, .75 hour lecture (P/NP)
Corequisite: CHDEV 504
English language skills for common early childhood development topics: Practice in reading, writing, speaking and listening. 4931.00

ESOL 505
ENGLISH FOR EARLY CHILDHOOD EDUCATION CURRICULUM
0 units, .75 hour lecture (P/NP)
Corequisite: CHDEV 505
English language skills for common early childhood education curriculum topics: Practice in reading, writing, speaking and listening. 4931.00

ESOL 541A
BRIDGE TO CREDIT ESOL – LEVEL I
0 units, 2.86 – 5.49 hours lecture (P/NP or SP)
Introduction to basic English through the context of daily life activities: Listening, speaking, reading, and writing; basics of language structures, form, computer literacy, classroom culture and study skills within the context of personal information and circumstances. 4930.87

ESOL 541B
BRIDGE TO CREDIT ESOL – LEVEL II
0 units, 2.86 – 5.49 hours lecture (P/NP or SP)
Continuation of ESOL 541A: Listening, speaking, reading, and writing; basics of language structures and form, computer literacy, classroom culture and study skills within the context of jobs. 4930.87

ESOL 541C
BRIDGE TO CREDIT ESOL – LEVEL III
0 units, 2.86 – 5.49 hours lecture (P/NP or SP)
Continuation of ESOL 541B: Listening, speaking, reading, and writing; basics of language structures, form, computer literacy, classroom culture and study skills within the context of academic life. 4930.87

ESOL 541D
BRIDGE TO CREDIT ESOL – LEVEL IV
0 units, 2.86 – 5.49 hours lecture (P/NP or SP)
Continuation of ESOL 541C: Listening, speaking, reading, and writing; basics of language structures, form, computer literacy, classroom culture and study skills within the context of life experience. 4930.87
The Environmental Management and Technology Department’s mission is to help students attain the knowledge, skills, and broad-based outlook needed to succeed as environmental professionals, as stewards of the land, and as responsible citizens. To accomplish these goals, the department provides open access to educational programs, internships, and community outreach in a diverse and culturally rich learning environment.

Specifically the department:
• coordinates with a number of community and industry partners for field experiences and internships
• offers first-time college students and those returning to school the job skills needed for entry level careers and the classes for transfer to 4 year institutions or graduate study
• provides personalized career support from Merritt instructors who work as professionals in the field.

Career options include Environmental Analyst, Biological Technician, Naturalist/Interpreter, Environmental Coordinator, Environmental Technician, Conservation Worker, Restoration Ecologist, Park Ranger, and more.

### COURSES

#### ENVIROMENTAL MANAGEMENT AND TECHNOLOGY

**ENVMT 1**
**ENVIRONMENTAL CAREERS**
1 unit, 1 hour lecture (GR or P/NP)
Acceptable for credit: CSU

Career development strategies and exploration of what is available in emerging environmental fields: Exploration of environmental fields that are some of the fastest-growing sectors of the economy such as sustainable building, environmental policy and education, food, recycling, pollution reduction, green business, energy, transit, watershed protection, and environmental technologies. 0303.00

**ENVMT 2**
**INTRODUCTION TO SUSTAINABLE ENVIRONMENTAL SYSTEMS**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Interdisciplinary study of the impact of human civilization on the earth’s major ecological systems: Issues examined in historic, contemporary, and future settings, including both Western and non-Western contexts; material presented from a theoretical point of view, with a focus on core concepts and methods related to ecology, sustainability, human population, natural resources, wastes and pollution; reflection of how human economic, political, and ethical behaviors are inextricably interwoven with the environment; and presentation of environmental career options. 0303.00
AA/AS area 2; CSU area D; IGETC area 4G

**ENVMT 2L**
**PRINCIPLES OF ECOLOGY AND SUSTAINABLE SYSTEMS LAB**
1 unit, 3 hours laboratory (GR)
Prerequisite or Corequisite: BIOL 13 or ENVMT 2
Also offered as BIOL 13L. Not open for credit to students who have completed or are currently enrolled in BIOL 13L.
Acceptable for credit: CSU, UC

Field laboratory course which identifies, measures, and tests the sustainable environmental principles discussed in ENVMT 2 or BIOL 13: Qualitative and macro/ micro quantitative methods, identifying and sustaining ecosystems, nutrient cycling, geographical and aquatic ecology, population dynamics, water and energy systems, air pollution and hazardous waste, and farming methods and use of pesticides. 0303.00
CSU area B3 (with BIOL 13 satisfies lab requirement); IGETC area 5B, 5C (with BIOL 13 satisfies lab requirement)

**ENVMT 3**
**SOCIAL ISSUES IN AGRICULTURE**
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Study of the social side of agriculture, food and gardening: Investigation of social justice, food access, food security and hunger issues on a local and national scale; current debates and conversations related to food systems (both industrial and alternative), agricultural production and labor issues; perspectives of field workers, farmers, academics and food-related pop-culture writers. 0399.00
AA/AS area 2; CSU area D; IGETC area 4G
ENVMT 5
OAKLAND FOOD CULTURE
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU

Investigation of the symbolic, social, and cultural role of edible gardens in diverse cultures and the recognition of how one's own heritage can be an asset as a gardener and designer: Field trips to Oakland gardens designed by people of different cultures, documenting the cultural diversity of food and gardens through interviews and photography. 0399.00
AA/AS area 2, 3

ENVMT 8
INTRODUCTION TO OUTDOOR EDUCATION
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Overview of nature/culture interpretation and education: Planning for age, theme, and place appropriate presentations leading towards employment opportunities in the environmental management field. 0303.00

ENVMT 11
SUSTAINABLE URBAN AND REGIONAL PLANNING
3 units, 3 hours lecture (GR or P/NP)
Formerly offered as EMART 41.
Acceptable for credit: CSU

Survey of sustainable urban and regional planning: Overview of the problems and solutions of environmentally and socially sustainable planning of cities, suburbs, and rural areas; history, philosophies and theories of urban planning; rural land use and planning strategies; and the regional approach to planning. 0303.00
AA/AS area 2, CSU area D

ENVMT 12
ENVIRONMENTAL RACISM AND JUSTICE
3 units, 3 hours lecture (GR or P/NP)
Also offered as AFRAM 38. Not open for credit to students who have completed or are currently enrolled in AFRAM 38.
Acceptable for credit: CSU, UC

American and global environmental policy and ethics concentrating on their impact on minorities and people of color: Unequal environmental protection; the politics of pollution, race and waste dumping; and the intersection of the Civil Rights and Environmental Justice Movements with an emphasis on civil rights, social justice, white supremacy, and the impact of the Environmental Movement on people of color. 0303.00
AA/AS area 2, 5; CSU area D; IGETC area 4C, 4G; UCB American Cultures

ENVMT 16
INTRODUCTION TO HEALTHY COMMUNITY SYSTEMS
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Introduction to healthy community systems and their impact on both human and environmental health: Exploration of how “health for all” can be built into neighborhoods and urban plans and policies; includes field projects. 0303.00

ENVMT 35
INTRODUCTION TO URBAN AGRO ECOCOLOGY
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Introduction to the expanding production and distribution of healthy food and environmentally sustainable agriculture in and near cities: Organic and intensive agriculture, field methods, policy, economy, ecology, and equity. 0303.00

ENVMT 35L
URBAN AGROECOLOGY LAB
1 unit, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU

Practical solutions for ecological farming methods and community food security: Practical skills for creating an ecologically-based bio-intensive garden; planning, developing, and sustaining small-scale urban food gardens for diverse housing types. 0399.00

ENVMT 38A
NATURAL BUILDING
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Also offered as LANHT 36A. Not open for credit to students who have completed or are currently enrolled in LANHT 36A.
Acceptable for credit: CSU

Building and design techniques which use energy-efficient, local, natural, sustainable, and accessible materials with a focus on urban applications: Historical and current uses of natural building materials, hands-on experience, guest lecturers, and tours of local projects; emphasis on appropriate site-specific materials and construction of natural building foundations and small projects (benches, ovens, walls). 0303.00

ENVMT 38B
NATURAL BUILDING
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Also offered as LANHT 36B. Not open for credit to students who have completed or are currently enrolled in LANHT 36B.
Acceptable for credit: CSU

Continuation of ENVMT 38A: Site assessment, design sketches, and construction of natural building roof systems and small projects (natural plasters, rammed earth). 0303.00
COURSES

ENVMT 38C
NATURAL BUILDING
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Also offered as LANHT 36C. Not open for credit to students who have completed or are currently enrolled in LANHT 36C.
Acceptable for credit: CSU
Continuation of ENVMT 38B: Independent student projects and construction of poured adobe flooring and natural building walls with plastering. 0303.00

ENVMT 40
FROM TREE TO SEA: A BAY AREA ENVIRONMENTAL CROSS SECTION
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Introduction to the outdoor environment of the San Francisco Bay watershed environment and nearby sites: Field study of ecosystems of the bay, hills, forest lands, creeks and wetlands; sampling of water quality and marine life; and explorations of sustainable cultural, ecotourism, and economic uses of the Bay environment. 0303.00

ENVMT 44
INTRODUCTION TO CREEK AND WATERSHED RESTORATION: GENERAL ASPECTS
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Principles and practices in the restoration and monitoring of creeks and watersheds: Global water cycle and atmospheric circulation; basic hydrological principles and processes including erosion, flooding, and deposition of sediment. 0303.00

ENVMT 49
INDEPENDENT STUDY IN ENVIRONMENTAL MANAGEMENT AND TECHNOLOGY
.5-5 units (GR or P/NP)
Acceptable for credit: CSU
See section on Independent Study. 0303.00

ENVMT 50
SPECIAL PROJECTS IN ECOLOGICAL PLANNING, IMPLEMENTATION AND MAINTENANCE
.5-3 units, .5-2.5 hours lecture, 0-1.5 hours laboratory (GR or P/NP)
Open-entry/open-exit
Formerly offered as EMART 10A-D.
Acceptable for credit: CSU
Ongoing real-world projects in environmental management, funding, policy, restoration and maintenance practices for buildings, watersheds, and landscapes at public sites: The collaborative planning process; ecological assessment and development of timelines, work plans and budgets for ecological restoration; green and regenerative building; project evaluation and monitoring. 0303.00

ENVMT 210A
ENVIRONMENTAL PHOTOGRAPHY AND PHOTO MONITORING I
1.5 units, 1.5 hours lecture (GR or P/NP)
Introduction to environmental photography: Historical, social, and technical uses of environmental photography and image making; hands-on introduction to beginning visual and technical methods using a camera to create and edit images on a basic level. 0303.00

ENVMT 210B
ENVIRONMENTAL PHOTOGRAPHY AND PHOTO MONITORING II
1.5 units, 1.5 hours lecture (GR or P/NP)
Introduction to environmental photography and photo monitoring in the field: Field demonstration and projects involving selection, shooting, and editing of images; producing photo documents and shows. 0303.00

NONCREDIT COURSE

ENVMT 501
SUSTAINABLE ENVIRONMENTAL SYSTEMS PROJECTS
0 units, 3 hours lecture, 3 hours laboratory (P/NP)
Introduction to how modern systems of industry and policy impact the quality, health and safety of communities: Practical short and long-term ways to improve air and water quality and reduce risks from disruptions like storms, fires, and earthquakes; sustainable environmental opportunities at home and in local business, product choices, and public resources in buildings and the landscape. 0303.00
PROGRAMS AND COURSES

ENVIRONMENTAL STUDIES (ENVST)

Environmental Studies classes are designed for students with a serious interest in environmental and natural process. Students study the impact of human systems on physical and biological systems, and human dependence on natural resources. It involves the study of the interaction and co-evolution of human, physical, and biological systems.

Career options are Environmental Consultant, Environmental Scientist, Environmental Educator, Public Relations Specialist, Environmental Engineer, Fundraiser, Policy Analyst, and more.

ENVIRONMENTAL STUDIES

ENVST 49
INDEPENDENT STUDY IN ENVIRONMENTAL STUDIES
.5-5 units (GR or P/NP)
Acceptable for credit: CSU

See section on Independent Study. 0302.00

ENVST 60A
NATURAL HISTORY OF THE BAY AREA: THE LOCAL PARKS
.5-4 units, 5-4 hours lecture (GR or P/NP)
Also offered as BIOL 60A. Not open for credit to students who have completed or are currently enrolled in BIOL 60A.
Acceptable for credit: CSU

Survey of the natural history of the Bay Area: Climate, geology, geologic history, geomorphology, flora and fauna of selected Bay Area parks. 0408.00

ENVST 60B
NATURAL HISTORY OF THE BAY AREA: MT. DIABLO STATE PARK
1-5 units, 1-5 hours lecture (GR or P/NP)
Also offered as BIOL 60B. Not open for credit to students who have completed or are currently enrolled in BIOL 60B.
Acceptable for credit: CSU

Survey of the natural history of Mt. Diablo State Park: Climate, geology, geologic history, geomorphology, flora and fauna; survey techniques for field studies and conservation strategies for the endangered species of the park; includes on-site field studies at Mt. Diablo State Park. 0302.00

ENVST 60C
NATURAL HISTORY OF THE BAY AREA: HERPETOLOGY
2 units, 2 hours lecture (GR or P/NP)
Also offered as BIOL 60C. Not open for credit to students who have completed or are currently enrolled in BIOL 6060C.
Acceptable for credit: CSU

Survey of the natural history of reptiles and amphibians of the Bay Area; includes on-site field studies in various state and regional parks. 0302.00

ENVST 76A
NATIVE AMERICANS AND THE BAY AREA ENVIRONMENT: PRE-EUROPEAN PERIOD
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as NATAM 76A. Not open for credit to students who have completed or are currently enrolled in NATAM 76A.
Acceptable for credit: CSU

Prehistoric, historic and contemporary Native American relationships to the Bay Area region and Native philosophical perspectives on human/land relationships with emphasis on the pre-European period: Introduction to tribal groups, link between origin stories and the natural environment and the moral/spiritual foundation for land use, resource utilization, and impact of Spanish and Anglo settlers on the land and Native peoples. 0302.00
AA/AS area 2, 5 (if course taken for 3 or more units)

ENVST 76D
NATIVE AMERICANS AND THE BAY AREA ENVIRONMENT: CONTEMPORARY PERIOD
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as NATAM 76D. Not open for credit to students who have completed/are currently enrolled in NATAM 76D.
Acceptable for credit: CSU

Prehistoric, historic and contemporary Native American relationships to the Bay Area region and Native philosophical perspectives on human/land relationships with emphasis on the contemporary period: Introduction to tribal groups, link between origin stories and the natural environment and the moral/spiritual foundation for land use, resource utilization, and impact of Spanish and Anglo settlers on the land and Native peoples. 0302.00
AA/AS area 2, 5 (if course taken for 3 or more units)

ENVST 78A
AMERICAN INDIANS AND THE ECOLOGY OF HOPI/NAVAJO LAND
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as NATAM 78A. Not open for credit to students who have completed or are currently enrolled in NATAM 78A.
Acceptable for credit: CSU

Study of the Colorado Plateau in the Four Corners region and the Hopi and the Navajo: Basic ecological principles; unique geology, landforms, and plant and animal life, along with Hopi/Navajo adaptations to the dry semi-desert region; pre- and post-contact comparisons, ancient Hopi presence and arrival of the relative newcomer Navajos, effects of European contact on both cultures; and current land-use conflicts. 0302.00
AA/AS area 2, 5 (if course taken for 3 or more units)
ENVST 80A  
RAPTORS OF CENTRAL CALIFORNIA AND THE BAY AREA  
.5-2.5 units, .5-2.5 hours lecture (GR or P/NP)  
Also offered as BIOL 80A. Not open for credit to students who have completed or are currently enrolled in BIOL 80A.  
Acceptable for credit: CSU  
Introduction to the basic biology of birds with an emphasis on hawks, eagles, falcons, kites, owls, vultures and other raptors of Central California and the Bay Area: Identification, classification, evolution, migration and ecology of the raptors; field sessions in outstanding fall migration and overwintering areas presenting these birds in their natural habitats. 0302.00

ENVST 80B  
BIRD SONGING: THE ECOLOGY OF BIRD SONGS AND IDENTIFICATION BY EAR  
.5-2.5 units, .5-2.5 hours lecture (GR or P/NP)  
Also offered as BIOL 80B. Not open for credit to students who have completed or are currently enrolled in BIOL 80B.  
Acceptable for credit: CSU  
Introduction to the identification, classification, and ecology of birds in terms of how they communicate and use their songs: Emphasis on Central California and Bay Area birds, with special attention paid to birds such as passerines, hummingbirds, and parrots that memorize and learn their songs; concepts relating to how birds sing, learn their songs, mimic one another, and play duets together. 0302.00

ENVST 80C  
FUNDAMENTALS OF ORNITHOLOGY AND BIRDING IN CENTRAL CALIFORNIA AND THE BAY AREA  
.5-7 units, .5-7 hours lecture (GR or P/NP)  
Also offered as BIOL 80C. Not open for credit to students who have completed or are currently enrolled in BIOL 80C.  
Acceptable for credit: CSU  
Fundamentals of ornithology: Emphasis on habitats from the pelagic to the High Sierra and the birds found there. 0302.00
The mission of the Department of Ethnic Studies is to offer opportunities for students to deepen their understanding of the multicultural and multiracial history and character of the American experience generally, and the varied racial and ethnic experiences specifically. In addition, the aim is to locate the experiences of people of color in a larger global context in terms of identity, culture, sociology, history and economic relations between nations. As new processes of migration evolve due to global economic politics, the program’s purpose is to incorporate into the curriculum new topics of discussion and learning such as borderlands, scarcity and migration, globalization and democracy and the increasing “ethnicization” of central economies.

For programs and majors in the Ethnic Studies Department, see listings under African-American Studies, Asian and Asian-American Studies, Mexican and Latin-American Studies, and Native American Studies.
FIRE SCIENCE (FISCI)

All courses meet Fire & Emergency Services Higher Education (FESHE), California Emergency Medical Services Authority, and California State Fire Training recommendations.

### COURSES

#### FIRE SCIENCE

**FISCI 200**  
HIRING PROCESS PREPARATION AND STRATEGIES IN FIRE SERVICES  
1.5 units, 1.5 hours lecture (P/NP)  
Corequisite: COPED 476H  
Fire services hiring practices: Resume building, oral board interview practice, and station etiquette. 2133.00

**FISCI 201**  
PRINCIPLES OF FIRE AND EMERGENCY SERVICES  
3 units, 3 hours lecture (GR or P/NP)  
Introduction to fire service organization and careers in the fire protection field: Fire technology and history of fire service, organization and function of public and private protection services, fire department as part of local government, laws and regulations affecting fire service, fire service nomenclature, specific fire protection, fire loss analysis, basic fire chemistry and physics, introduction to fire strategy and tactics, and Incident Command System. 2133.00

**FISCI 202**  
FIRE PREVENTION  
3 units, 3 hours lecture (GR or P/NP)  
Fundamentals of fire prevention: History and philosophy of fire prevention, organization and operation of fire prevention bureau; use of application of codes and standards; plans review; fire inspections; fire and life safety education; and fire investigation. 2133.00

**FISCI 203**  
BUILDING CONSTRUCTION FOR THE FIRE SERVICE  
3 units, 3 hours lecture (GR or P/NP)  
Fundamentals of building construction that relate to fire and life safety: Elements of construction and design of structures as key factors in building inspections, preplanning of fire operations, and operations at fire and building-collapse emergencies; development and evolution of building and fire codes and study of past fires and building collapses in residential, commercial, and industrial occupancies. 2133.00

**FISCI 204**  
FIRE BEHAVIOR AND COMBUSTION  
3 units, 3 hours lecture (GR or P/NP)  
Theory and fundamentals of how and why fires start, spread, and are controlled: In-depth study of fire chemistry and physics, fire characteristics of materials, extinguishing agents, and fire-control techniques. 2133.00

**FISCI 205**  
FIRE PROTECTION SYSTEMS  
3 units, 3 hours lecture (GR or P/NP)  
Fundamentals of design and operation of fire detection and alarm systems: Heat and smoke control systems, special protection and sprinkler systems, water supply for fire protection, portable fire extinguishers, and design and installation requirements. 2133.00

**FISCI 206**  
PRINCIPLES OF FIRE AND EMERGENCY SERVICES SAFETY AND SURVIVAL  
3 units, 3 hours lecture (GR or P/NP)  
Fundamentals of assessing the basic principles and history related to the national firefighter life safety initiatives: Cultural and behavior change throughout the emergency services. 2133.00

**FISCI 211**  
FIREFIGHTER ACADEMY  
10 units, 7 hours lecture, 9 hours laboratory (GR or P/NP)  
Prerequisites: EMT 211, FISCI 201, FISCI 202, FISCI 203, FISCI 204, FISCI 205 and FISCI 206  
Recommended preparation: KIN 153A and KIN 153B  
Meets Firefighter I, Rescue Systems, Confined Space, and HAZ MAT FRO, certification requirements.  
Manipulative and technical training in the use of firefighting equipment; fire attack procedures, and rescue operations: Hose and ladder evolutions, fire protection systems, basic salvage and overhaul techniques; forcible entry; wildland, interior, house and flammable liquid fire-attack procedures; and fire control, ventilation, and extinguishment techniques for various situations. 2133.50

**FISCI 230**  
COMPANY OFFICER 2A--HUMAN RESOURCE MANAGEMENT  
2.5 units, 2.5 hours lecture (GR or P/NP)  
Prerequisite: Employment with fire service organization  
Intended for employed firefighters seeking advancement to the company officer level in a fire service organization.  
Fundamentals of human resources for fire company officers: Evaluating member performance; supervising personnel; and integrating health and safety plans, policies, and procedures into daily activities as well as the emergency scene. 2133.00
FISCI 231
COMPANY OFFICER 2B--GENERAL ADMINISTRATIVE FUNCTIONS
1.5 units, 1.5 hours lecture (GR or P/NP)
Prerequisite: Employment with fire service organization
Intended for employed firefighters seeking advancement to the company officer level in a fire service organization.

Fundamentals of general administration for fire company officers: Implementation of department policies and procedures as well as conveying the fire department’s role, image, and mission to the public. 2133.00

FISCI 232
COMPANY OFFICER 2C--FIRE INSPECTION AND INVESTIGATION
2.5 units, 2.5 hours lecture (GR or P/NP)
Prerequisite: Employment with fire service organization
Intended for employed firefighters seeking advancement to the company officer level in a fire service organization.

Fundamentals of inspections and investigations for fire company officers: Identifying hazards and addressing violations; performing a fire investigation to determine preliminary cause; and securing the incident scene and preserving evidence. 2133.00

FISCI 233
COMPANY OFFICER 2D--ALL RISK COMMAND OPERATIONS
2.5 units, 2.5 hours lecture (GR or P/NP)
Prerequisite: Employment with fire service organization
Intended for employed firefighters seeking advancement to the company officer level in a fire service organization.

Fundamentals of command operations in the hazard zone for company officers: Incident size up; initial plans of action involving single and multi-unit operations for various types of emergency incidents; situation mitigation utilizing agency safety procedures; pre-incident planning; and post-incident analysis. 2133.00

FISCI 234
COMPANY OFFICER 2E--WILDLAND INCIDENT OPERATIONS
2.5 units, 2.5 hours lecture (GR or P/NP)
Prerequisite: Employment with fire service organization
Intended for employed firefighters seeking advancement to the company officer level in a fire service organization.

Fundamentals of Wildland Urban Interface (WUI) command operations for company officers: Evaluation and reporting incident operations; analyzing incident needs; developing and implementing a plan of action to deploy incident resources; suppressing a wildland fire; establishing an incident command post; creating an Incident Action Plan (IAP); and completing incident records and reports. 2133.00

FISCI 235
INSTRUCTOR I: INSTRUCTIONAL METHODOLOGY
2.5 units, 2.5 hours lecture (GR or P/NP)
Prerequisite: Employment with fire service organization
Intended for employed firefighters seeking advancement to the company officer level in a fire service organization.

(Continued)
Geography is the study of the earth, including the distribution and interconnectedness of all natural and cultural phenomena and how places are particular expressions of nature and culture. The mission of the Geography Department at Merritt College is to foster an appreciation and understanding of the diversity of Earth’s physical and cultural environments. The Geography Department offers informative university-transferable classes that include Physical Geography, Physical Geography Laboratory, and Cultural Geography. These courses are taught using classical instruction and laboratory and fieldwork that emphasizes critical thinking. Mastery is demonstrated in the ability to think and write critically about the Earth in a capstone report in Physical Geography, Physical Geography Lab, and Cultural Geography courses.

Career options include teaching and research, natural resource management, meteorology (weather), cartography (map-making), urban/regional planning, location analysis, and work using Geographic Information Systems (GIS).

## GEOGRAPHY

### GEOG 1
**PHYSICAL GEOGRAPHY**
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC

Basic elements of the earth's physical systems and processes: Earth-sun relations, weather, climate, water, plate tectonics, landforms, soils, and ecosystems and their interrelationships and global distribution patterns. 2206.00

AA/AS area 1; CSU area B1, B3 (with GEOG 1L satisfies lab requirement), D; IGETC area 5A, 5C (with GEOG 1L satisfies lab requirement)

C-ID: GEOG 110

### GEOG 1L
**PHYSICAL GEOGRAPHY LABORATORY**
1 unit, 3 hours laboratory (GR)
Prerequisite or Corequisite: GEOG 1
Acceptable for credit: CSU, UC

Practical application of the basic concepts and principles of physical geography: Earth-sun relationships, weather, climate, geologic processes, landforms, and field observations. 2206.00

CSU area B3 (with GEOG 1); IGETC area 5A, 5C (with GEOG 1)

### GEOG 2
**CULTURAL GEOGRAPHY**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Basic elements of cultural geography: Interrelationship of people and the land, including study of populations, cultural origins, migration, language and religion, ethnicity, systems of agriculture, urbanization, political units, economic organization and resource exploitation. 2206.00

AA/AS area 2; CSU area D; IGETC area 4E
Geology is the scientific study of the origin, history, and structure of the earth. The mission of the Geology Department at Merritt College is to teach students about the evolution of the earth and to foster in them an appreciation and understanding of the processes that created and changed the earth over time. Mastery is demonstrated in the ability to think and write critically about the earth in a capstone report.

Career options for a professional geologist include teaching; employment by private corporations including mining, hydrology, and engineering companies; government agencies such as the U.S. Geological Survey, the California Department of Conservation, and regional planning offices.

### COURSES

#### GEOLOGY

**GEOL 1**
INTRODUCTION TO PHYSICAL GEOLOGY
4 units, 3 hours lecture, 3 hours laboratory (GR)
Two one-day field trips required.
Acceptable for credit: CSU, UC

Survey of materials and structures comprising the outer portion of the earth, and geologic processes responsible for sculpturing the earth: Plate tectonics and mountain building; formation of minerals and igneous, sedimentary and metamorphic rocks; deformation of rocks by folding and faulting; and erosion of the land surface. 1914.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C
C-ID: GEOL 101

**GEOL 12**
ENVIRONMENTAL GEOLOGY
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Introduction to the geologic aspects of environmental science: Natural hazards, human effects on geologic processes, energy and mineral resources, and global environmental change. 1914.00
AA/AS area 1; CSU area B1; IGETC area 5A
C-ID: GEOL 130

**GEOL 21**
BAY AREA FIELD STUDIES
1-2 units, 1-2 hours lecture (GR or P/NP)
Acceptable for credit: CSU

In-the-field introduction to the richness of the geologic environment: Emphasis on the basic geologic processes that shape the earth's surface. 1914.00
Health Education offers courses for students planning to transfer into a variety of health-related fields and for students needing to fulfill General Education requirements. Courses include Exploring Health Issues, CPR, Health and Wellness; Personal Change.

Career opportunities include teaching health care administration; working at federal, state and local health care agencies (e.g., county health departments, Cal OSHA, and environmental protection agencies); and, health care and education in the private sector.

**HEALTH EDUCATION (HLTED)**

| COURSES |
|------------------|------------------|
| **HEALTH EDUCATION** |
| **HLTED 1** | **EXPLORING HEALTH ISSUES** |
| 3 units, 3 hours lecture (GR or P/NP) | Acceptable for credit: CSU, UC |
| Examination of current problems related to individual and community health: Sexual behavior, birth control, sexually-transmitted diseases, drugs, consumerism, environment, psychosomatic health, nutrition, physical fitness, and preventive medicine. 0837.00 | |
| AA/AS area 2; CSU area E |
| **HLTED 11** | **CARDIOPULMONARY RESUSCITATION** |
| .5 units, .5 hours lecture (GR or P/NP) | Meets American Red Cross Adult, Child and Infant CPR certification requirements. |
| Not open for credit to students who have completed or are currently enrolled in HLTED 10. | Acceptable for credit: CSU |
| Introduction to CPR: Development of skills and knowledge for administering emergency first aid for respiratory failure and cardiac arrest. 0837.00 |
| **HLTED 20** | **HEALTH AND WELLNESS: PERSONAL CHANGE** |
| 1 unit, 1 hour lecture (GR or P/NP) | Acceptable for credit: CSU, UC |
| The role of nutrition, physical activity, environmental factors, and psycho-social influences on health: Raises awareness of health issues and the role of personal responsibility in maintaining health. 0837.00 | |
| CSU Area E |
| **HLTED 49** | **INDEPENDENT STUDY IN HEALTH EDUCATION** |
| .5-5 units (GR or P/NP) | Acceptable for credit: CSU |
| See section on Independent Study. 0837.00 |
In these classes, students can explore several aspects of healthcare including medical terminology and success strategies for pre-nursing students.

<table>
<thead>
<tr>
<th>COURSES</th>
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<tbody>
<tr>
<td><strong>HEALTH PROFESSIONS AND OCCUPATIONS</strong></td>
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</tbody>
</table>
| **HLTOC 150**  
*INTRODUCTION TO HEALTH CARE CAREERS*  
2 units, 2 hours lecture (GR or P/NP) |
| Exploration of career and educational opportunities in the healthcare field: History of the various professions; legal issues; roles, skills and required competencies in the field; professional code of ethics; program requirements and plan of completion; and career planning. 1201.00 |
| **HLTOC 201**  
*MEDICAL TERMINOLOGY I*  
2 units, 2 hours lecture (GR or P/NP) |
| Study of medical terminology: Basic structure of medical words including prefixes, suffixes, word roots, combining forms, plurals and abbreviations, pronunciation, spelling, and definition of medical terms. 1299.00 |
| **HLTOC 202**  
*MEDICAL TERMINOLOGY II*  
2 units, 2 hours lecture (GR or P/NP)  
Recommended preparation: HLTOC 201 |
| Continued study of medical terminology: Terminology related to body structure, pathological conditions and diseases, operative terms and techniques, including laboratory/radiological diagnostic procedures. 1299.00 |
| **HLTOC 211**  
*INTERPRETING IN HEALTH CARE I*  
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: BIOL 23 or BIOL 25 or BIOL 20A or BIOL 24, and HLTOC 201 and/or HLTOC 202 |
| Introductory training for bilingual individuals to provide effective healthcare interpreting: Standard interpreting practices, range of roles and responsibilities of the healthcare interpreter, ethical principles related to healthcare interpreting, and the impact of culture in the healthcare setting; emphasis on developing consecutive interpreting skills such as managing the interpreted encounter and the pre-session introduction, first-person voice, accurate and complete interpreting, and intervening in a transparent manner. 2140.00 |
| **HLTOC 250**  
*FLUID AND ELECTROLYTE WORKSHOP*  
.5 units, .5 hours lecture (P/NP) |
| Academic and clinical approach to fluid and electrolytes and the application to nursing care: Interactive discussions involving seminar, computer-assisted instruction, and case study. 1299.00 |
| **HLTOC 255**  
*SUCCESS STRATEGIES FOR PRE-NURSING STUDENTS*  
4 units, 4 hours lecture (P/NP)  
To be eligible to enroll, students must be admitted to or wait-listed for admission into the Associate Degree Nursing program. |
| Preparation for success for a pre-licensure registered nursing program: Strategies to improve reading and study skills, test-taking and critical-thinking strategies, math and calculation skills, and overview of the fundamentals of nursing; includes ATI testing of essential skills and critical thinking to identify areas of strengths and weaknesses and an online component. 4930.14 |
HEALTH SCIENCES
ASSOCIATE IN SCIENCES (AS) DEGREE

DESCRIPTION
To qualify for the Associate in Science in Health Sciences degree, students must satisfactorily complete the Degree Major requirements specified below and the local AA/AS General Education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS General Education requirements.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program students will be able to:
1. Demonstrate a comprehensive understanding of the human body.
2. Successfully perform and/or describe experiments which test hypotheses, including the collection and analysis of data.
3. Demonstrate an understanding of the scientific method and applications of scientific theories to personal health.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td></td>
<td>Major Elective Courses</td>
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<td></td>
<td><strong>Select at least one course from each of the following four groups, for a minimum of 18 units:</strong></td>
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<td></td>
<td><strong>Group A: Select one course for 4-5 units from the following:</strong></td>
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<tr>
<td>BIOL 1A</td>
<td>General Biology</td>
<td>5</td>
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<tr>
<td>BIOL 3</td>
<td>Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 10</td>
<td>Introduction to Biology</td>
<td>4</td>
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<td><strong>Group B: Select one course for 4-5 units from the following:</strong></td>
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<tr>
<td>BIOL 2</td>
<td>Human Anatomy</td>
<td>5</td>
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<tr>
<td>BIOL 4</td>
<td>Human Physiology</td>
<td>5</td>
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<td>BIOL 20A</td>
<td>Human Anatomy and Physiology</td>
<td>5</td>
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<tr>
<td>BIOL 20B</td>
<td>Human Anatomy and Physiology</td>
<td>5</td>
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<tr>
<td>BIOL 24</td>
<td>Basic Human Anatomy and Physiology</td>
<td>4</td>
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<td><strong>Group C: Select one course for 4-5 units from the following:</strong></td>
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<tr>
<td>CHEM 1A</td>
<td>General Chemistry</td>
<td>5</td>
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<tr>
<td>CHEM 12A</td>
<td>Organic Chemistry</td>
<td>5</td>
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<tr>
<td>CHEM 30A</td>
<td>Introductory General Chemistry</td>
<td>4</td>
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<td></td>
<td><strong>Group D: Select one course for 3-4 units from the following:</strong></td>
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<tr>
<td>HLTED 1</td>
<td>Exploring Health Issues</td>
<td>3</td>
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<tr>
<td>NUTR 10*</td>
<td>Nutrition*</td>
<td>4</td>
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<tr>
<td>NUTR 12</td>
<td>Nutrition and Disease</td>
<td>3</td>
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</tbody>
</table>

* NUTR 10 is the same as BIOL 31 at Alameda and BIOL 28 at Laney; maximum credit: one course.

<table>
<thead>
<tr>
<th>Major Requirements</th>
<th>18-19</th>
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<tbody>
<tr>
<td>Total Units</td>
<td>60</td>
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</table>
The History Department at Merritt introduces students to the richness and complexity of the human experience through a curriculum that covers all major geographic areas and time periods and emphasizes both the unity of that experience and the diversity resulting from such factors as cultural, social, and gender differences.

Historical instruction seeks to develop not only knowledge of the past but also an appreciation of history as an intellectual discipline that employs a wide variety of scholarly methodologies in its effort to understand that past. Students are taught to think and work as historians, to read critically and analytically both primary and secondary sources, to appreciate the complexity of historical issues and multiplicity of historical views, and to investigate a historical question or problem and communicate the results of that investigation. As new technologies inundate U.S. society, the History Department aims to teach students to navigate, select, and use history as a central analytical tool to navigate and reflect upon this new source of information.

### COURSES

#### HISTORY

**HIST 2A**
**HISTORY OF EUROPEAN CIVILIZATION**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

History of Western civilization to 1660: Prehistoric, Ancient, Medieval and Renaissance periods to 1660. 2205.00
AA/AS area 2; CSU area C2, D; IGETC area 3B, 4F
C-ID: HIST 170

**HIST 2B**
**HISTORY OF EUROPEAN CIVILIZATION**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

History of Western civilization since 1660: Rise of nations, revolutionary eras, European expansion and decline; Europe and its impact on the world; emphasis on ideas and institutions rather than national histories. 2205.00
AA/AS area 2; CSU area C2, D; IGETC area 3B, 4F

**HIST 7A**
**HISTORY OF THE UNITED STATES TO 1877**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

History of the United States from colonial days to Reconstruction (1877); Survey and interpretation of political, social, and economic factors contributing to the growth of the nation. 2205.00
AA/AS area 2; CSU area C2, D; IGETC area 3B, 4F; CSU American Institutions, Group 1

**HIST 7B**
**HISTORY OF THE UNITED STATES SINCE 1865**
3 units, 3 hours lecture (GR or P/NP)
HIST 7A is not prerequisite to HIST 7B.
Acceptable for credit: CSU, UC

History of the United States from the end of the Civil War to the present: Survey and interpretation of political, social, and economic factors contributing to the growth of the nation. 2205.00
AA/AS area 2; CSU area C2, D; IGETC area 3B, 4F; CSU American Institutions, Group 1
C-ID: HIST 140

**HIST 19**
**HISTORY OF CALIFORNIA**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

California’s multi-ethnic history from the pre-Spanish period to the present: Emphasis on the social and ethnic diversity of past and present California. 2205.00
AA/AS area 2, 5; CSU area C2, D; IGETC area 3B, 4F

**HIST 49**
**INDEPENDENT STUDY IN HISTORY**
.5-5 units (GR or P/NP)
Acceptable for credit: CSU

See section on Independent Study. 2205.00
Merritt College’s Humanities courses emphasize the study of cultural, literary, humanistic activities and artistic expression of human beings. 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 also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments.

COURSES

HUMANITIES

HUMAN 2
HUMAN VALUES
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Study of human values: The individual in relation to the environment as it affects conduct among diverse cultures, past and present.

1599.00
AA/AS area 3; CSU area C2; IGETC area 3B

HUMAN 49
INDEPENDENT STUDY IN HUMANITIES
5-5 units (GR or P/NP)
Acceptable for credit: CSU

See section on Independent Study. 1599.00
The Kinesiology Department creates an environment that inspires a student’s positive self-image, emotional well-being, health consciousness through physical fitness and specialized physical skill development with emphasis on character traits like teamwork, determination, respect, self-confidence, cooperation and self-motivation. Courses strive to develop skills and knowledge of the specific discipline and to improve psychological and physiological skills (flexibility, strength, balance and cardio-respiratory vigor).

In addition to the provision of courses that meet major and graduation requirements, the department also meets the need of communities served by the college and enhances life-long fitness and health. The courses address the needs of an increasingly overweight, sedentary population and the accompanying poor nutrition and chronic disease by providing education, motivation and setting achievement of fitness goals.

The department is determined to maintain high-quality instruction and to develop and maintain state-of-the-art facilities in order to continue to attract a diverse and often underserved population of men and women.

The Kinesiology Department offers a variety of courses in the following areas: fitness, individual sports, team sports, intercollegiate athletics and kinesiology. All Kinesiology Department courses are listed below with the exception of intercollegiate athletics courses that can be found in the Athletics (ATHL) section of this catalog.

Activity courses are grouped by similar content. Courses in each grouping may only be taken once with a passing grade. Please note that many activity courses are offered with varying skill levels. Students should enroll in an activity class that is most appropriate for their skill level. Students may then progress through the series of courses as personal skill develops.

For Intercollegiate Athletics Courses – See Athletics (ATHL)

Merritt College offers the following certificate program in Kinesiology:

**PERSONAL TRAINER**
- CERTIFICATE OF PROFICIENCY
PERSONAL TRAINER CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Personal Trainer Certificate of Proficiency program prepares students for a career in personal fitness training. The program emphasizes the development of skills and the acquisition of knowledge in the areas of cardiovascular health, strength, flexibility, nutrition programs, exercise science and body composition assessment. Trainers will be ready to apply and interpret this experience and knowledge to provide fitness recommendations for their clients.

CAREER OPPORTUNITIES
Career opportunities include Personal Trainer, Aerobics Instructor, Fitness Coordinator, Fitness Director, Fitness Instructor, Fitness Specialist, Fitness Trainer, Group Exercise Instructor, and Group Fitness Instructor.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Perform a comprehensive health-related fitness assessment and design a fitness program for each phase of training.
2. Provide basic nutritional recommendations.
3. Evaluate and perform selected exercises and series of exercises.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 24</td>
<td>Basic Human Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>COMM 20</td>
<td>Interpersonal Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 10</td>
<td>Nutrition</td>
<td>4</td>
</tr>
<tr>
<td>KIN 58A</td>
<td>Fitness Center Strength Training I-Fundamentals</td>
<td>.5</td>
</tr>
<tr>
<td>KIN 140</td>
<td>Fitness for Personal Trainers</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Major Requirements</strong></td>
<td><strong>14.5</strong></td>
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<tr>
<td></td>
<td><strong>Total Units</strong></td>
<td><strong>14.5</strong></td>
</tr>
</tbody>
</table>
KINESIOLOGY

**KIN 36**
**AEROBIC CIRCUITS**  
.5 units, 2 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Development of personal fitness with an emphasis on the cardiovascular, muscular and respiratory systems through a variety of exercise activities. 0835.00  
CSU area E

**KIN 37A**  
**CORE AND RESTORE I – FUNDAMENTALS**  
0.5 units, 2 hour laboratory (GR or P/NP)  
Acceptable for credit: CSU  
Activity class: Development of fundamental abdominal and core strength and stability in conjunction with using a roller to decrease stress and muscle tension throughout the body, as well as providing muscular rehabilitation. 0835.00  
CSU area E

**KIN 51A**  
**YOGA I – FUNDAMENTALS**  
.5 units, 2 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Introduction to yoga stretches and postures, conscious breathing patterns, and relaxation techniques. Demonstration of modifications for injuries. 0835.00  
CSU area E

**KIN 51B**  
**YOGA II – BEGINNING**  
.5 units, 2 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Development of beginning yoga stretches, postures, and relaxation techniques. Increased use of conscious breathing patterns. 0835.00  
CSU area E

**KIN 51C**  
**YOGA III – INTERMEDIATE**  
.5 units, 2 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Development of intermediate yoga stretches, postures, core strengthening, relaxation techniques, and personal practice. 0835.00  
CSU area E

**KIN 54A**  
**CROSS FITNESS I – FUNDAMENTALS**  
1 unit, 3 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Basic introduction to an individualized program for achieving muscle tone and endurance. 0835.00  
CSU area E

**KIN 54B**  
**CROSS FITNESS II – BEGINNING**  
1 unit, 3 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Moderate introduction to an individualized program for achieving muscle tone and endurance. 0835.00  
CSU area E

**KIN 54C**  
**CROSS FITNESS III – INTERMEDIATE**  
1 unit, 3 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: This course employs resistive exercises which will improve lifetime fitness and overall body fitness with an emphasis on weights. 0835.00  
CSU area E

**KIN 54D**  
**CROSS FITNESS IV – EXPERIENCED**  
1 unit, 3 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: This course employs an advanced principle of resistive exercises which will improve lifetime fitness and overall body fitness with an emphasis on weights. 0835.00  
CSU area E

**KIN 58A**  
**FITNESS CENTER STRENGTH TRAINING I – FUNDAMENTALS**  
.5 units, 2 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Instruction of fundamental techniques for strength training using resistance equipment to improve strength, endurance and size of skeletal muscles. 0835.00  
CSU area E

**KIN 58B**  
**FITNESS CENTER STRENGTH TRAINING II – BEGINNING**  
.5 units, 2 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Instruction of beginning techniques for strength training using resistance equipment to improve strength, endurance and size of skeletal muscles. 0835.00  
CSU area E
KIN 58C  
**FITNESS CENTER STRENGTH TRAINING III – INTERMEDIATE**  
.5 units, 2 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Instruction of intermediate techniques for strength training using resistance equipment to improve strength, endurance and size of skeletal muscles. 0835.00  
CSU area E

KIN 58D  
**FITNESS CENTER STRENGTH TRAINING IV – EXPERIENCED**  
.5 units, 2 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Instruction of experienced techniques for strength training using resistance equipment to improve strength, endurance and size of skeletal muscles. 0835.00  
CSU area E

KIN 60A  
**CIRCUIT TRAINING FOR STRENGTH I – FUNDAMENTALS**  
1 unit, 3 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Conditioning through the use of exercises and apparatus with emphasis on overall improvement of muscle tone, endurance and cardiovascular system. 0835.00  
CSU area E

KIN 60B  
**CIRCUIT TRAINING FOR STRENGTH II – BEGINNING**  
1 unit, 3 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Conditioning through the use of exercises and apparatus with emphasis on overall improvement of muscle tone, endurance and cardiovascular system. 0835.00  
CSU area E

KIN 60C  
**CIRCUIT TRAINING FOR STRENGTH III – INTERMEDIATE**  
1 unit, 3 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Conditioning through the use of exercises and apparatus with emphasis on overall improvement of muscle tone, endurance and cardiovascular system. 0835.00  
CSU area E

KIN 60D  
**CIRCUIT TRAINING FOR STRENGTH IV – EXPERIENCED**  
1-2 units, 3-6 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Conditioning through the use of exercises and apparatus with emphasis on overall improvement of muscle tone, endurance and cardiovascular system. 0835.00  
CSU area E

KIN 67A  
**SPORTS TRAINING I – FUNDAMENTALS**  
.5 units, 2 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Fundamental level of sport-specific fitness training to increase sport performance. 0835.00  
CSU area E

KIN 67B  
**SPORTS TRAINING II – BEGINNING**  
.5 units, 2 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Fundamental level of sport-specific fitness training to increase sport performance. 0835.00  
CSU area E

KIN 67C  
**SPORTS TRAINING III – INTERMEDIATE**  
.5 units, 2 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Intermediate level of sport-specific fitness training to increase sport performance. 0835.00  
CSU area E

KIN 67D  
**SPORTS TRAINING IV – EXPERIENCED**  
.5 units, 2 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Competition level of sport-specific fitness training to increase sport performance. 0835.00  
CSU area E

KIN 70A  
**SPEED TRAINING I – FUNDAMENTALS**  
.5 units, 2 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Fundamental development of an individual's speed and power for applications to athletic activity in various sports. 0835.00  
CSU area E

KIN 74A  
**BADMINTON I – FUNDAMENTALS**  
.5 units, 2 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Activity class: Basic fundamentals and skills in badminton. 0835.00  
CSU area E
<table>
<thead>
<tr>
<th>COURSES</th>
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<tbody>
<tr>
<td><strong>KIN 74B</strong></td>
</tr>
<tr>
<td>BADMINTON II – BEGINNING</td>
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<tr>
<td>.5 units, 2 hours laboratory (GR or P/NP)</td>
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<tr>
<td>Acceptable for credit: CSU, UC</td>
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<tr>
<td>Activity class: Beginning principles and fundamentals in badminton. 0835.00</td>
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<td>CSU area E</td>
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<tr>
<td><strong>KIN 74C</strong></td>
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<tr>
<td>BADMINTON III – INTERMEDIATE</td>
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<tr>
<td>.5 units, 2 hours laboratory (GR or P/NP)</td>
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<td>Acceptable for credit: CSU, UC</td>
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<tr>
<td>Activity class: Intermediate fundamentals and skills in badminton. 0835.00</td>
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<td>CSU area E</td>
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<tr>
<td><strong>KIN 74D</strong></td>
</tr>
<tr>
<td>BADMINTON IV – COMPETITIVE</td>
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<tr>
<td>.5 units, 2 hours laboratory (GR or P/NP)</td>
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<tr>
<td>Acceptable for credit: CSU, UC</td>
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<tr>
<td>Activity class: Competitive fundamentals and skills in badminton. 0835.00</td>
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<td>CSU area E</td>
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<tr>
<td><strong>KIN 80A</strong></td>
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<tr>
<td>BASKETBALL I – FUNDAMENTALS</td>
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<tr>
<td>.5 units, 2 hours laboratory (GR or P/NP)</td>
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<tr>
<td>Acceptable for credit: CSU, UC</td>
</tr>
<tr>
<td>Activity class: Basic fundamentals and skills in basketball. 0835.00</td>
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<td>CSU area E</td>
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<tr>
<td><strong>KIN 80B</strong></td>
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<tr>
<td>BASKETBALL II – BEGINNING</td>
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<tr>
<td>.5 units, 2 hours laboratory (GR or P/NP)</td>
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<tr>
<td>Acceptable for credit: CSU, UC</td>
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<tr>
<td>Activity class: Beginning level of basketball rules and skills, introductory concepts of offense and defense. 0835.00</td>
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<tr>
<td>CSU area E</td>
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<tr>
<td><strong>KIN 80C</strong></td>
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<tr>
<td>BASKETBALL III – INTERMEDIATE</td>
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<tr>
<td>.5 units, 2 hours laboratory (GR or P/NP)</td>
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<tr>
<td>Acceptable for credit: CSU, UC</td>
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<tr>
<td>Activity class: Intermediate introduction of basketball fundamentals, introductory concepts of offense and defense. 0835.00</td>
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<tr>
<td>CSU area E</td>
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<tr>
<td><strong>KIN 80D</strong></td>
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<tr>
<td>BASKETBALL IV – COMPETITIVE</td>
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<tr>
<td>.5 units, 2 hours laboratory (GR or P/NP)</td>
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<tr>
<td>Acceptable for credit: CSU, UC</td>
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<tr>
<td>Activity class: Introduction to competitive level basketball techniques through practice drills. 0835.00</td>
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<td>CSU area E</td>
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<tr>
<td><strong>KIN 86A</strong></td>
</tr>
<tr>
<td>FLAG FOOTBALL I – FUNDAMENTALS</td>
</tr>
<tr>
<td>1 unit, 3 hours laboratory (GR or P/NP)</td>
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<tr>
<td>Acceptable for credit: CSU, UC</td>
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<tr>
<td>Activity class: Basic introduction to flag football skills. 0835.00</td>
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<td>CSU area E</td>
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<tr>
<td><strong>KIN 86B</strong></td>
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<tr>
<td>FLAG FOOTBALL II – BEGINNING</td>
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<tr>
<td>1 unit, 3 hours laboratory (GR or P/NP)</td>
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<tr>
<td>Acceptable for credit: CSU, UC</td>
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<tr>
<td>Activity class: Basic introduction of flag football fundamentals. 0835.00</td>
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<td>CSU area E</td>
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<tr>
<td><strong>KIN 86C</strong></td>
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<tr>
<td>FLAG FOOTBALL III – INTERMEDIATE</td>
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<tr>
<td>1 unit, 3 hours laboratory (GR or P/NP)</td>
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<tr>
<td>Acceptable for credit: CSU, UC</td>
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<tr>
<td>Activity class: Basic intermediate introduction of flag football techniques. 0835.00</td>
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<td>CSU area E</td>
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<tr>
<td><strong>KIN 86D</strong></td>
</tr>
<tr>
<td>FLAG FOOTBALL IV – COMPETITIVE</td>
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<tr>
<td>1 unit, 3 hours laboratory (GR or P/NP)</td>
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<tr>
<td>Acceptable for credit: CSU, UC</td>
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<tr>
<td>Activity class: Basic advanced competition in flag football development. 0835.00</td>
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<td>CSU area E</td>
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<tr>
<td><strong>KIN 100A</strong></td>
</tr>
<tr>
<td>GOLF I – FUNDAMENTALS</td>
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<tr>
<td>.5 units, 2 hours laboratory (GR or P/NP)</td>
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<tr>
<td>Acceptable for credit: CSU, UC</td>
</tr>
<tr>
<td>Activity class: Fundamental golf strokes with irons and woods; rules, etiquette, and selection and care of equipment. 0835.00</td>
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<td>CSU area E</td>
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<tr>
<td><strong>KIN 100B</strong></td>
</tr>
<tr>
<td>GOLF II – BEGINNING</td>
</tr>
<tr>
<td>.5 units, 2 hours laboratory (GR or P/NP)</td>
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<tr>
<td>Acceptable for credit: CSU, UC</td>
</tr>
<tr>
<td>Activity class: Beginning golf strokes with irons and woods; rules, etiquette, and selection and care of equipment. 0835.00</td>
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<td>CSU area E</td>
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<tr>
<td><strong>KIN 100C</strong></td>
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<tr>
<td>GOLF III – INTERMEDIATE</td>
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<td>.5 units, 2 hours laboratory (GR or P/NP)</td>
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<td>Activity class: Intermediate golf strokes with irons and woods; rules, etiquette, and selection and care of equipment. 0835.00</td>
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<td>KIN 100D</td>
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<table>
<thead>
<tr>
<th>KIN 103A</th>
<th>SOCCER I – FUNDAMENTALS</th>
<th>0.5 units, 2 hours laboratory (GR or P/NP)</th>
<th>Acceptable for credit: CSU, UC</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Activity class: Covers the fundamental techniques of soccer, terminology, rules, and history. Practice, skills drills, and class competitions are provided to enhance skill development and game strategy. A written final exam and skills exams serve to evaluate student achievement. 0835.00</td>
<td>CSU area E</td>
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<table>
<thead>
<tr>
<th>KIN 107A</th>
<th>TENNIS I – FUNDAMENTALS</th>
<th>0.5 units, 2 hours laboratory (GR or P/NP)</th>
<th>Acceptable for credit: CSU, UC</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Activity class: Fundamentals and skills in tennis. 0835.00</td>
<td>CSU area E</td>
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</table>

<table>
<thead>
<tr>
<th>KIN 103B</th>
<th>SOCCER II – BEGINNING</th>
<th>0.5 units, 2 hours laboratory (GR or P/NP)</th>
<th>Acceptable for credit: CSU, UC</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Activity class: Beginning soccer skills and team competition, with emphasis placed upon offensive and defensive tactics and strategies; develop knowledge and understanding of the current collegiate soccer rules and fitness. 0835.00</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>KIN 103C</th>
<th>SOCCER III – INTERMEDIATE</th>
<th>0.5 units, 2 hours laboratory (GR or P/NP)</th>
<th>Acceptable for credit: CSU, UC</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Activity class: Covers intermediate soccer skills. Through team competition, emphasis is placed upon offensive and defensive tactics and strategies; develop knowledge and understanding of the current collegiate soccer rules and fitness. 0835.00</td>
<td>CSU area E</td>
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</tbody>
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<table>
<thead>
<tr>
<th>KIN 103D</th>
<th>SOCCER IV – EXPERIENCED</th>
<th>0.5 units, 2 hours laboratory (GR or P/NP)</th>
<th>Acceptable for credit: CSU, UC</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Activity class: Experienced soccer skills and team competition, with emphasis placed upon offensive and defensive tactics and strategies; develop knowledge and understanding of the current collegiate soccer rules and fitness. 0835.00</td>
<td>CSU area E</td>
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</tbody>
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<table>
<thead>
<tr>
<th>KIN 107B</th>
<th>TENNIS II – BEGINNING</th>
<th>1 unit, 4 hours laboratory (GR or P/NP)</th>
<th>Acceptable for credit: CSU, UC</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Activity class: Fundamentals and beginning skills in tennis. 0835.00</td>
<td>CSU area E</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>KIN 110A</th>
<th>TRACK AND FIELD I – FUNDAMENTALS</th>
<th>0.5 units, 2 hours laboratory (GR or P/NP)</th>
<th>Acceptable for credit: CSU, UC</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Activity class: Fundamentals and skills in track and field. 0835.00</td>
<td>CSU area E</td>
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<table>
<thead>
<tr>
<th>KIN 110B</th>
<th>TRACK AND FIELD II – BEGINNING</th>
<th>0.5 units, 2 hours laboratory (GR or P/NP)</th>
<th>Acceptable for credit: CSU, UC</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Activity class: Development of beginning level track and field skills including sprinting, the jumps, the throws, hurdles and middle/long-distance running necessary for track and field competition. 0835.00</td>
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</tbody>
</table>

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<thead>
<tr>
<th>KIN 110C</th>
<th>TRACK AND FIELD III – INTERMEDIATE</th>
<th>0.5 units, 2 hours laboratory (GR or P/NP)</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Activity class: Intermediate level track and field skills; sprinting, the jumps, the throws, hurdles and middle/long-distance running necessary for track and field competition. 0835.00</td>
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<tr>
<th>KIN 110D</th>
<th>TRACK AND FIELD IV – EXPERIENCED</th>
<th>0.5 units, 2 hours laboratory (GR or P/NP)</th>
<th>Acceptable for credit: CSU, UC</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Activity class: Experienced level track and field skills; sprinting, the jumps, the throws, hurdles and middle/long-distance running necessary for track and field competition. 0835.00</td>
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</tbody>
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<table>
<thead>
<tr>
<th>KIN 140</th>
<th>FITNESS FOR PERSONAL TRAINERS</th>
<th>3 units, 1 hour lecture, 6 hours laboratory (GR or P/NP)</th>
<th>Acceptable for credit: CSU, UC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Conditioning through the use of exercises and apparatus: Emphasis on overall improvement of the cardiovascular system; focus on strength, flexibility, nutrition programs, knowledge of exercise science and body composition assessment; application of knowledge to provide fitness recommendations to clients. 0835.20</td>
<td>CSU area E</td>
</tr>
</tbody>
</table>
KIN 150
INTRODUCTION TO KINESIOLOGY
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Introduction to interdisciplinary approach to the study of human movement: Overview of motor learning/control, motor development, biomechanics, exercise physiology, and social psychological foundations. 0835.00
CSU area E
C-ID: KIN 100

KIN 153A
FITNESS FOR PUBLIC SAFETY PERSONNEL I – FUNDAMENTALS
1.5 units, 1 hour lecture, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Activity class: Physical fitness activities for public safety personnel (police and fire); body conditioning and fitness activities to improve muscle tone, strength and endurance, increase flexibility and joint mobility, and develop aerobic capacity; use of weight training and other apparatus with emphasis on overall improvement of the cardiovascular and muscular systems and total physical fitness of the individual. 0835.00
CSU area E

KIN 153B
FITNESS FOR PUBLIC SAFETY PERSONNEL II – BEGINNING
1.5 units, 1 hour lecture, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Activity class: Physical fitness activities for public safety personnel (police and fire); body conditioning and fitness activities to improve muscle tone, strength and endurance, increase flexibility and joint mobility, and develop aerobic capacity; use of weight training and other apparatus with emphasis on overall improvement of the cardiovascular and muscular systems and total physical fitness of the individual. 0835.00
CSU area E
Merritt College is home to one of the largest horticulture facilities in northern California. Our 7.5-acre facility includes 10k sq. ft. of greenhouse and lath house space; drafting and floral design labs; and the Emile Labadie Arboretum. Students on an associate degree track will be able to complete all required coursework within a two-year period, but students are free to work at their own pace. Merritt Landscape Horticulture is a Career Education program, and our programs are designed to equip students with the knowledge and experience needed to be job-ready, and to enhance/refresh the skills of those already working in the field.

One or more certificates or degrees in Landscape Horticulture will be awarded upon satisfactory completion of the program requirements. Graduates and certificate-earners can find employment (including self-employment) in landscape design, landscape construction, parks and garden maintenance, tree care, nurseries, and more courses are offered both day and evening year-round.

**BASIC LANDSCAPE HORTICULTURE**

CERTIFICATE OF ACHIEVEMENT

**ARBORICULTURE TRACK:**

- TREE CARE SPECIALIST
  CERTIFICATE OF ACHIEVEMENT
- TREE CLIMBER SPECIALIST
  CERTIFICATE OF ACHIEVEMENT
- ARBORICULTURE
  ASSOCIATE IN SCIENCE (AS) DEGREE

**LANDSCAPE DESIGN AND CONSTRUCTION TRACK:**

- INTERMEDIATE LANDSCAPE DESIGN AND CONSTRUCTION
  CERTIFICATE OF ACHIEVEMENT
- LANDSCAPE DESIGN AND CONSTRUCTION SPECIALIST
  CERTIFICATE OF ACHIEVEMENT
  ASSOCIATE IN SCIENCE (AS) DEGREE

**LANDSCAPE AND PARKS MAINTENANCE TRACK:**

- INTERMEDIATE LANDSCAPE AND PARKS MAINTENANCE
  CERTIFICATE OF ACHIEVEMENT
- LANDSCAPE AND PARKS MAINTENANCE SPECIALIST
  CERTIFICATE OF ACHIEVEMENT
  ASSOCIATE IN SCIENCE (AS) DEGREE

**NURSERY MANAGEMENT TRACK:**

- INTERMEDIATE NURSERY MANAGEMENT
  CERTIFICATE OF ACHIEVEMENT
- NURSERY MANAGEMENT SPECIALIST
  CERTIFICATE OF ACHIEVEMENT
  ASSOCIATE IN SCIENCE (AS) DEGREE

**LANDSCAPE ARCHITECTURE**

ASSOCIATE IN ARTS (AA) DEGREE

**PERMACULTURE DESIGN**

CERTIFICATE OF PROFICIENCY
PROGRAMS

BASIC LANDSCAPE HORTICULTURE
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
The Basic Landscape Horticulture certificate program is intended for those students who are limited by time constraints to a one-year program. Graduates with this certificate can find employment at the basic or entry level in grounds maintenance or as a park worker or gardener. A Certificate of Achievement will be awarded upon satisfactory completion of the certificate requirements specified below. Note: Completion of the Level A Basic Landscape Horticulture certificate is not required to qualify for a Level B or Level C certificate. Level B certificates include some Level A requirements to provide foundations for the chosen track – see specific requirements for each Level B and Level C certificate.

CAREER OPPORTUNITIES
Those who earn the certificate in Basic Landscape Horticulture can find employment at the basic or entry level in grounds maintenance, or as a park worker or gardener.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Create and maintain landscapes that provide basic human comfort and livability.
2. Create and maintain landscapes that respect and respond to regional ecology, including plant community dynamics, soil mediums, water and moisture requirements, and sustainable potential in Bay Area environments.
3. Communicate basic horticulture concepts to clients, contractors, and public agencies.

PROGRAM REQUIREMENTS

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<th>Units</th>
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<tr>
<td>or</td>
<td>Introduction to Landscape Horticulture (Evening)</td>
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<td>LANHT 23</td>
<td>Plant Terminology</td>
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<td>LANHT 26</td>
<td>Pruning</td>
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<td>LANHT 13E</td>
<td>Arboriculture (Evening)</td>
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<tr>
<td>Group C</td>
<td>Select one course from the following:</td>
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<td>Insect Pests</td>
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<td>LANHT 11</td>
<td>Plant Diseases and Their Management</td>
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<td>LANHT 12</td>
<td>Weeds in the Urban Landscape</td>
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<td>Group D</td>
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<td>LANHT 16</td>
<td>Soil Management</td>
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<td>Plant Nutrition</td>
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ARBORICULTURE TRACK: TREE CARE SPECIALIST CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
This one year Tree Care Specialist Certificate Program trains students to work in the following fields/jobs: Tree care specialist/worker with certification; ground worker; arborist; plant health care technician; utility arborist; sales and consulting; city, county or municipal forester. The curriculum provides a strong foundation in basic horticultural principles, plant biology and physiology, tree ID, and urban forestry concepts; industry standard skills and practices related to safe work practices, trees/shrub maintenance, such as pruning, planting, establishment; small equipment use, tree health care and tree risk assessment.

CAREER OPPORTUNITIES
Tree Care Industry Established Positions and Job Titles include: Tree Care Specialist; Plant Health Care Technician; Ground Worker; Sales and Consulting; Arborist (certified by ISA); Utility Arborist; and Urban Forester.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Apply tree biology and physiology to arboriculture practices.
2. Conduct site assessments and assess trees to mitigate risks.
3. Apply tree health care treatments.
4. Establish and maintain trees and shrubs safely.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
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<td>LANHT 1</td>
<td>Introduction to Landscape Horticulture with Lab (Day)</td>
<td>3</td>
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<td>or</td>
<td>Introduction to Landscape Horticulture (Evening)</td>
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<td>or</td>
<td>Arboriculture (Evening)</td>
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<td>and</td>
<td>Plant Terminology</td>
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<td>LANHT 26</td>
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<td>LANHT 81</td>
<td>Arborist Equipment Fundamentals</td>
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<td>LANHT 82</td>
<td>Tree Health Care</td>
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<td>Pruning for Urban and Community Forestry</td>
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<tr>
<td>LANHT 85</td>
<td>Introduction to Climbing and Aerial Tree Work</td>
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</table>

Total Units 21
ARBORICULTURE TRACK: TREE CARE SPECIALIST
CERTIFICATE OF ACHIEVEMENT

RECOMMENDED ONE-YEAR COURSE SEQUENCE
Students can use the following pattern to complete a Certificate of Achievement in Tree Care Specialist. This is only one possible pattern. It maps a sequence of courses to help students complete their certificate, regardless of the semester they begin classes. This map does not replace consulting with a counselor. Students are advised to meet with a counselor at least once each semester to develop their individual Student Education Plan (SEP) and plan for their educational goals.

<table>
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<tr>
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<td>or</td>
<td>LANHT 13E Arboriculture (Evening)</td>
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<tr>
<td>and</td>
<td>LANHT 23 Plant Terminology</td>
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<td>LANHT 26</td>
<td>Pruning</td>
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Merritt College Catalog 2019-2020
ARBORICULTURE TRACK: 
TREE CLIMBER SPECIALIST 
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
This Tree Climber Specialist Certificate of Achievement prepares workers for careers linked to urban forestry related occupations, including arborist, arboriculture, tree care specialist, tree trimming, grounds maintenance, aerial tree work, crew leader and other identified occupations. This program follows an industry validated training model, which combines classroom learning, and hands-on skill development in school shops/labs and training centers. The curriculum provides a strong foundation in basic horticultural principles, plant biology and physiology, tree ID, and urban forestry concepts; industry standard skills and practices related to safe work practices, trees/shrub maintenance, tree removal, advanced climbing skills, small and large equipment use, and leadership skills.

CAREER OPPORTUNITIES
Tree Care Industry Established Positions and Job Titles include: Tree Care Specialist/Worker with Certification; Ground worker; Arborist (Certified); Tree Climber; Plant Health Care Technician; Utility Line Clearance Tree Trimmer; and City, County or Municipality Forestry Worker.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Apply tree biology and physiology to arboriculture practices.
2. Operate equipment safely.
3. Conduct site assessments and assess trees to mitigate risks.
4. Establish and maintain trees and shrubs safely; remove trees and shrubs safely.
5. Apply tree health care treatments.
6. Apply advanced aerial tree work.
## PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<td>LANHT 10</td>
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<td>and</td>
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<td>LANHT 16</td>
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RECOMMENDED TWO-YEAR COURSE SEQUENCE

Students can use the following pattern to complete a Certificate of Achievement in Tree Care Specialist. This is only one possible pattern. It maps a sequence of courses to help students complete their certificate, regardless of the semester they begin class. This map does not replace consulting with a counselor. Students are advised to meet with a counselor at least once each semester to develop their individual Student Education Plan (SEP) and plan for their educational goals.

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<td>LANHT 83</td>
<td>Large Equipment Operations for Arborists</td>
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<td>and</td>
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<td>Crew Leadership in Arboriculture</td>
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ARBORICULTURE TRACK: ARBORICULTURE ASSOCIATE IN SCIENCE (AS) DEGREE

DESCRIPTION
The Arboriculture Associate in Science Degree Program prepares workers for careers linked to urban forestry related occupations, including arborist, arboriculture, tree care specialist, tree trimming, grounds maintenance, aerial tree work, crew leader and other identified occupations. This program follows an industry validated training model which combines classroom learning and hands-on skill development in school shops/labs and training centers. The curriculum provides a strong foundation in basic horticultural principles, plant biology and physiology, tree ID, and urban forestry concepts; industry standard skills and practices related to safe work practices, trees/shrub maintenance, tree removal, advanced climbing skills, small and large equipment use, and leadership skills.

To qualify for the A.S. Degree in Arboriculture students must complete all of the Degree Major Requirements and local A.S./General Education Requirements.

CAREER OPPORTUNITIES
Tree Care Industry Established Positions and Job Titles include: Tree Care Specialist/Worker with Certification; Ground worker; Arborist (Certified); Tree Climber; Plant Health Care Technician; Utility Line Clearance Tree Trimmer; and City, County or Municipality Forestry Worker.

PROGRAM LEARNING OUTCOMES
Students who receive a certificate will be able to:
1. Apply tree biology and physiology to arboriculture practices.
2. Operate equipment safely.
3. Conduct site assessments and assess trees to mitigate risks.
4. Establish and maintain trees and shrubs safely; remove trees and shrubs safely.
5. Apply tree health care treatments.
6. Apply advanced aerial tree work.
## ARBORICULTURE TRACK: ARBORICULTURE

### ASSOCIATE IN SCIENCE (AS) DEGREE

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
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</tr>
<tr>
<td>LANHT 1</td>
<td>Introduction to Landscape Horticulture with Lab (Day)</td>
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</tr>
<tr>
<td>or</td>
<td>Introduction to Landscape Horticulture (Evening)</td>
<td>3</td>
</tr>
<tr>
<td>and</td>
<td>Plant Materials: Tree ID and Culture with Lab (Day)</td>
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</tr>
<tr>
<td>or</td>
<td>Plant Materials: Tree ID and Culture (Evening)</td>
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<tr>
<td>and</td>
<td>Insect Pests</td>
<td>3</td>
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<tr>
<td>LANHT 11</td>
<td>Plant Diseases and Their Management</td>
<td>3</td>
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<tr>
<td>or</td>
<td>Arboriculture with Lab (Day)</td>
<td>3</td>
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<tr>
<td>and</td>
<td>Arboriculture (Evening)</td>
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<td>LANHT 16</td>
<td>Soil Management</td>
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<td>Pruning</td>
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<td>LANHT 81</td>
<td>Arborist Equipment Fundamentals</td>
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</tr>
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<td>LANHT 82</td>
<td>Tree Health Care</td>
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<tr>
<td>LANHT 83</td>
<td>Large Equipment Operations for Arborists</td>
<td>3</td>
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<td>LANHT 84</td>
<td>Pruning for Urban and Community Forestry</td>
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<td>LANHT 85</td>
<td>Introduction to Climbing and Aerial Tree Work</td>
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</tr>
<tr>
<td>LANHT 86</td>
<td>Applied Aerial Tree Work</td>
<td>2</td>
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<td>LANHT 87</td>
<td>Advanced Aerial Tree Work</td>
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<tr>
<td>LANHT 88</td>
<td>Crew Leadership in Arboriculture</td>
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<tr>
<td>LANHT 206</td>
<td>Landscape Business Practices</td>
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<td><strong>Total Units</strong></td>
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**Note:** To qualify for the Arboriculture Associate in Science degree, students must satisfactorily complete the major requirements specified above and the local AA/AS general education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS general education requirements.
RECOMMENDED TWO-YEAR COURSE SEQUENCE

Students can use the following pattern to complete an Associate in Science in Arboriculture degree. This is only one possible pattern. It maps a sequence of courses to help students complete their degree, regardless of the semester they begin class. This map does not replace consulting with a counselor. Students are advised to meet with a counselor at least once each semester to develop their individual Student Education Plan (SEP) and plan for their educational goals.

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<tr>
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<tr>
<td>or</td>
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<tr>
<td>or</td>
<td>Arboriculture with Lab (Day)</td>
<td>3</td>
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<td>or</td>
<td>Arboriculture (Evening)</td>
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</tr>
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<td>LANHT 23</td>
<td>Plant Terminology</td>
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<td>LANHT 26</td>
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<tr>
<td>LANHT 80</td>
<td>Urban and Community Forestry</td>
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<td>LANHT 82</td>
<td>Tree Health Care</td>
<td>2</td>
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<td>LANHT 84</td>
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<td>LANHT 86</td>
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<td><strong>3rd Semester</strong></td>
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<td>LANHT 11</td>
<td>Plant Diseases and Their Management</td>
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<td>LANHT 16</td>
<td>Soil Management</td>
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<td>LANHT 83</td>
<td>Large Equipment Operations for Arborists</td>
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<tr>
<td>LANHT 206</td>
<td>Landscape Business Practices</td>
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<td>Above courses plus 3 units of General Education</td>
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<td><strong>4th Semester</strong></td>
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<td>LANHT 10</td>
<td>Insect Pests</td>
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<td>LANHT 87</td>
<td>Advanced Aerial Tree Work</td>
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<tr>
<td>LANHT 88</td>
<td>Crew Leadership in Arboriculture</td>
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<tr>
<td>Above courses plus 9 units of General Education</td>
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<td><strong>4th Semester Units</strong></td>
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LANDSCAPE DESIGN AND CONSTRUCTION TRACK:
LEVEL B. INTERMEDIATE LANDSCAPE DESIGN AND CONSTRUCTION
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
The Intermediate Landscape Design and Construction certificate program trains students to work in the field of landscape design/build. The curriculum provides studies in design, construction, plant ID, and basic horticulture, topics that help a student obtain employment in the field, and provide foundational training towards becoming licensed landscape contractors and related specialties. A Certificate of Achievement will be awarded upon satisfactory completion of the certificate requirements specified below.

NOTE: Completion of the Level A Basic Landscape Horticulture certificate is not required to qualify for the Level B Intermediate Landscape Design and Construction certificate. The Level B certificate includes some Level A requirements to provide the appropriate foundations for this track.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Design and build landscapes that provide basic human comfort and livability, and meet client functional and financial needs.
2. Design and build landscapes that respond to regional ecology.
3. Communicate landscape design concepts to clients, contractors, and public agencies.
# LANDSCAPE DESIGN AND CONSTRUCTION TRACK: LEVEL B. INTERMEDIATE LANDSCAPE DESIGN AND CONSTRUCTION CERTIFICATE OF ACHIEVEMENT

## PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<td><strong>Major Core Courses</strong></td>
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<td>LANHT 1</td>
<td>Introduction to Landscape Horticulture with Lab (Day)</td>
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<tr>
<td>or</td>
<td>Introduction to Landscape Horticulture (Evening)</td>
<td>3</td>
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<tr>
<td>LANHT 14</td>
<td>Landscape Construction with Lab (Day)</td>
<td>3</td>
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<tr>
<td>or</td>
<td>Landscape Construction (Evening)</td>
<td>3</td>
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<tr>
<td>LANHT 18A</td>
<td>Landscape Design</td>
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<tr>
<td>LANHT 18LA</td>
<td>Landscape Design Laboratory</td>
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<tr>
<td>LANHT 18B</td>
<td>Landscape Design</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 18LB</td>
<td>Landscape Design Laboratory</td>
<td>1</td>
</tr>
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<td>LANHT 23</td>
<td>Plant Terminology</td>
<td>2.5</td>
</tr>
<tr>
<td>LANHT 29</td>
<td>Planting Design with Lab (Day)</td>
<td>3</td>
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<tr>
<td>or</td>
<td>Planting Design (Evening)</td>
<td>3-4</td>
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<tr>
<td><strong>Total Units</strong></td>
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<td>28.5-29.5</td>
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</tbody>
</table>

## Major Elective Courses

### Group A
Select two plant ID courses from the following (select course(s) not previously taken):

- LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E

### Group B
Select a minimum of 3 units from the following (select course(s) not previously taken):

- LANHT 8 | Turf ID, Culture and Management with Lab (Day)                      | 3      |
- or       | Turf ID, Culture and Management (Evening)                           | 3      |
- LANHT 9A | SketchUp Pro I                                                    | 3      |
- LANHT 13 | Arboriculture with Lab (Day)                                         | 3      |
- or       | Arboriculture (Evening)                                             | 3      |
- LANHT 31 | Site Operations for Landscape Designers and Builders                | 3      |
- LANHT 33A| Design Evaluation of Bay Area Landscapes                             | 3      |
- LANHT 34A| Computer-Assisted Landscape Design                                  | 3      |
- LANHT 35A-B| Advanced Landscape Design                                        | 3-3    |

- **Total Units** |                                                                 | 28.5-29.5 |
PROGRAMS

LANDSCAPE DESIGN AND CONSTRUCTION TRACK:
LEVEL C. LANDSCAPE DESIGN AND CONSTRUCTION SPECIALIST
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
The Landscape Design and Construction Specialist Certificate of Achievement program provides additional training for students interested in working in the field of landscape design/build. The curriculum provides advanced studies in design, plant ID and basic horticulture, and provides foundational training towards working in a design/build firm, and obtaining a landscape contractor’s license, irrigation design certification, and related specialties (lighting, water features, water management).

A Certificate of Achievement will be awarded upon satisfactory completion of the certificate requirements specified below.

NOTE: Students must satisfactorily complete the Level B Intermediate Landscape Design and Construction certificate requirements to qualify for the Level C Landscape Design and Construction Specialist AS degree or Certificate of Achievement.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Design and build landscapes that provide basic human livability, meet client functional and financial needs, and support community health and well-being.
2. Design and build landscapes that respond to regional ecology, and support principles of sustainability.
3. Communicate landscape design and building concepts to clients, contractors, and public agencies through electronic media, reports, graphic representation, and spoken presentations.
# LANDSCAPE HORTICULTURE (LANHT)

## PROGRAMS

### LANDSCAPE DESIGN AND CONSTRUCTION TRACK:
#### LEVEL C. LANDSCAPE DESIGN AND CONSTRUCTION SPECIALIST CERTIFICATE OF ACHIEVEMENT

#### PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td></td>
<td><strong>Major Core Courses</strong></td>
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<tr>
<td></td>
<td><strong>Level B Intermediate Landscape Design and Construction Required Units</strong></td>
<td>28.5-29.5</td>
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<tr>
<td></td>
<td><strong>plus</strong></td>
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<tr>
<td></td>
<td><strong>Level C Requirements listed below:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LANHT 17</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>LANHT 17E</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Major Elective Courses</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Group A</strong></td>
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</tr>
<tr>
<td></td>
<td>Select one additional plant ID courses from the following (select course(s) not previously taken):</td>
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<td>LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E</td>
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<td></td>
<td><strong>Group B</strong></td>
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<tr>
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<td>Select a minimum of 6 units from the following (select course(s) not previously taken):</td>
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<tr>
<td></td>
<td>LANHT 8</td>
<td>3</td>
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<tr>
<td>or</td>
<td>LANHT 8E</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LANHT 13</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>LANHT 13E</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LANHT 31</td>
<td>3</td>
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<tr>
<td></td>
<td>LANHT 33A</td>
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<td></td>
<td>LANHT 34A-C</td>
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<td></td>
<td>LANHT 35A-B</td>
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<tr>
<td></td>
<td>LANHT 9A</td>
<td>(3)</td>
</tr>
<tr>
<td></td>
<td>LANHT 55</td>
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<td>LANHT 60A-60B-60C</td>
<td>(3-3-3)</td>
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<td>LANHT 210A-210B-210C</td>
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<td><strong>Total Units</strong></td>
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LANDSCAPE DESIGN AND CONSTRUCTION TRACK:
LEVEL C. LANDSCAPE DESIGN AND CONSTRUCTION SPECIALIST
ASSOCIATE IN SCIENCE (AS) DEGREE

DESCRIPTION
The Landscape Design and Construction Specialist Associate in Science degree program provides additional training for students interested in working in the field of landscape design/build. The curriculum provides advanced studies in design, plant ID and basic horticulture, and provides foundational training towards working in a design/build firm, and obtaining a landscape contractor's license, irrigation design certification, and related specialties (lighting, water features, water management).

To qualify for the Associate in Science in Landscape Design and Construction Specialist degree, students must satisfactorily complete the Degree Major requirements specified below and the local AA/AS General Education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS General Education requirements.

NOTE: Students must satisfactorily complete the Level B Intermediate Landscape Design and Construction certificate requirements to qualify for the Level C Landscape Design and Construction Specialist AS degree or Certificate of Achievement.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Maintain landscapes to maximize their basic human comfort and livability.
2. Maintain landscapes to support regional ecology, low water use, and sustainable potential in Bay Area environments.
3. Employ maintenance practices that minimize the use of power tools, dumping of green waste, and vehicle use.
LANDSCAPE DESIGN AND CONSTRUCTION TRACK:
LEVEL C. LANDSCAPE DESIGN AND CONSTRUCTION SPECIALIST
ASSOCIATE IN SCIENCE (AS) DEGREE

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<td><strong>Major Core Courses</strong></td>
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<tr>
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<td><strong>Level C Requirements listed below:</strong></td>
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<tr>
<td>LANHT 17</td>
<td>Irrigation with Lab (Day)</td>
<td>3</td>
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<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LANHT 17E</td>
<td>Irrigation (Evening)</td>
<td>3</td>
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<tr>
<td><strong>Major Elective Courses</strong></td>
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<tr>
<td>Group A</td>
<td>Select one additional plant ID courses from the following (select course(s) not previously taken):</td>
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<td></td>
<td>LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E</td>
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<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LANHT 8E</td>
<td>Turf ID, Culture and Management (Evening)</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 13</td>
<td>Arboriculture with Lab (Day)</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
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<tr>
<td>LANHT 13E</td>
<td>Arboriculture (Evening)</td>
<td>3</td>
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<tr>
<td>LANHT 31</td>
<td>Site Operations for Landscape Designers and Builders</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 33A</td>
<td>Design Evaluation of Bay Area Landscapes</td>
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<td>LANHT 34A-C</td>
<td>Computer-Assisted Landscape Design</td>
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<tr>
<td>LANHT 9A</td>
<td>SketchUp Pro I</td>
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<td>LANHT 55</td>
<td>History of Gardens and Gardening</td>
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<td>LANHT 58</td>
<td>CAD Clinic for Landscape Horticulture</td>
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<td>Freehand Drawing for Landscape Designers I, II, III</td>
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<td>40.5-41.5</td>
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<td>60-60.5</td>
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PROGRAMS

LANDSCAPE AND PARKS MAINTENANCE TRACK:
LEVEL B. INTERMEDIATE LANDSCAPE AND PARKS MAINTENANCE CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
The Intermediate Landscape and Parks Maintenance certificate program trains students to work as grounds maintenance workers in a variety of settings, including public or private parks, golf courses, and commercial or residential gardens. The curriculum provides studies in basic horticulture, plant ID, and maintenance practices. These areas of emphasis can help a student gain employment in the field of landscape and parks maintenance with public works departments, landscape maintenance companies, golf courses, parks and recreation departments, or start their own landscape maintenance companies.

A Certificate of Achievement will be awarded upon satisfactory completion of the certificate requirements specified below.

NOTE: Completion of the Level A Basic Landscape Horticulture certificate is not required to qualify for the Level B Intermediate Landscape and Parks Maintenance certificate. The Level B certificate includes some Level A requirements to provide the appropriate foundations for this track.

CAREER OPPORTUNITIES
Students with a certificate in the Nursery Management track can find employment in local retail and wholesale nurseries.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Maintain landscapes to maximize their basic human comfort and livability.
2. Maintain landscapes that require low water use and support regional ecology.
3. Employ maintenance practices that minimize the use of gas power tools, source material (soil, compost, plants, tools) regionally as available, and recycle or compost yard waste to minimize the dumping of green waste.
# Program Requirements

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LANHT 1</td>
<td>Introduction to Landscape Horticulture with Lab (Day)</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>Introduction to Landscape Horticulture (Evening)</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 8</td>
<td>Turf ID, Culture and Management with Lab (Day)</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>Turf ID, Culture and Management (Evening)</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 13</td>
<td>Arboriculture with Lab (Day)</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>Arboriculture (Evening)</td>
<td>3</td>
</tr>
<tr>
<td>and</td>
<td>Plant Terminology</td>
<td>2.5</td>
</tr>
<tr>
<td>LANHT 26</td>
<td>Pruning</td>
<td>.5</td>
</tr>
<tr>
<td>LANHT 201</td>
<td>Landscape Maintenance Practices</td>
<td>3</td>
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<td><strong>Major Elective Courses</strong></td>
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</tr>
<tr>
<td>Group A</td>
<td>Select two plant ID courses for 6 units from the following (select course(s) not previously taken):</td>
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</tr>
<tr>
<td></td>
<td>LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E</td>
<td></td>
</tr>
<tr>
<td>Group B</td>
<td>Select two courses for 6 units from the following (select course(s) not previously taken):</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 10</td>
<td>Insects: Identification and Management</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 11</td>
<td>Plant Diseases and Their Control</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 12</td>
<td>Weeds in the Urban Landscape</td>
<td>3</td>
</tr>
<tr>
<td>Group C</td>
<td>Select one course for 3 units from the following (select course(s) not previously taken):</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 16</td>
<td>Soil Management</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 19</td>
<td>Plant Nutrition</td>
<td>3</td>
</tr>
<tr>
<td><strong>Recommended Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LANHT 206</td>
<td>Landscape Business Practices</td>
<td>(3)</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
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</table>
LANDSCAPE AND PARKS MAINTENANCE TRACK:
LEVEL C. LANDSCAPE AND PARKS MAINTENANCE SPECIALIST
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
The Landscape and Parks Maintenance Specialist Certificate of Achievement program provides additional training for students interested in working in the field of landscape and parks maintenance. The curriculum provides advanced studies in horticulture, plant ID and maintenance practices, and provides foundational training towards working for parks and recreation departments, golf courses, public works, landscape maintenance companies, or starting one's own landscape maintenance business.

NOTE: Students must satisfactorily complete the Level B Intermediate Landscape and Parks Maintenance certificate requirements to qualify for the Level C Landscape and Parks Maintenance Specialist Certificate of Achievement.

A Certificate of Achievement will be awarded upon satisfactory completion of the certificate requirements specified below.

CAREER OPPORTUNITIES
Students have also successfully started their own specialty nurseries. Students who successfully complete the advanced certificate in the Landscape and Parks Maintenance track can find employment with city parks or other municipal departments, or with commercial landscape firms. Many students work either independently or with landscape maintenance companies.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Maintain landscapes to maximize their basic human comfort and livability.
2. Maintain landscapes to support regional ecology, low water use, and sustainable potential in Bay Area environments.
3. Employ maintenance practices that minimize the use of power tools, dumping of green waste, and vehicle use.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
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</tr>
<tr>
<td>Level B Intermediate Landscape Parks and Maintenance Required Units:</td>
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<td>30</td>
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<tr>
<td>plus</td>
<td></td>
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<tr>
<td><strong>Plus Level C Requirements:</strong></td>
<td></td>
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</tr>
<tr>
<td>LANHT 21</td>
<td>Horticultural Equipment Operation, Maintenance and Repair</td>
<td>2</td>
</tr>
<tr>
<td><strong>Major Elective Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group A Select one plant ID courses for 3 units from the following (select course(s) not previously taken):</td>
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<td>3</td>
</tr>
<tr>
<td>LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E</td>
<td></td>
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</tr>
<tr>
<td>Group B Select one course for 3 units from the following (select course(s) not previously taken):</td>
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<td></td>
</tr>
<tr>
<td>LANHT 10</td>
<td>Insects: Identification and Management</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 11</td>
<td>Plant Diseases and Their Control</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 12</td>
<td>Weeds in the Urban Landscape</td>
<td>3</td>
</tr>
<tr>
<td>Group C Select one course for 3 units from the following (select course(s) not previously taken):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LANHT 16</td>
<td>Soil Management</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 19</td>
<td>Plant Nutrition</td>
<td>3</td>
</tr>
<tr>
<td><strong>Recommended Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LANHT 54</td>
<td>Integrated Pest Management</td>
<td>(1)</td>
</tr>
<tr>
<td>LANHT 206</td>
<td>Landscape Business Practices</td>
<td>(3)</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
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<td>41</td>
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PROGRAMS

LANDSCAPE AND PARKS MAINTENANCE TRACK:
LEVEL C. LANDSCAPE AND PARKS MAINTENANCE SPECIALIST
ASSOCIATE IN SCIENCE (AS) DEGREE

DESCRIPTION
The Landscape and Parks Maintenance Specialist Associate in Science degree program provides additional training for students interested in working in the field of landscape and parks maintenance. The curriculum provides advanced studies in horticulture, plant ID and maintenance practices, and provides foundational training towards working for parks and recreation departments, golf courses, public works, landscape maintenance companies, or starting one's own landscape maintenance business.

To qualify for the Associate in Science in Landscape and Parks Maintenance Specialist degree, students must satisfactorily complete the Degree Major requirements specified below and the local AA/AS General Education requirements.

NOTE: Students must satisfactorily complete the Level B Intermediate Landscape and Parks Maintenance certificate requirements to qualify for the Level C Landscape and Parks Maintenance Specialist Certificate of Achievement.

A Certificate of Achievement will be awarded upon satisfactory completion of the certificate requirements specified below.

CAREER OPPORTUNITIES
Students have also successfully started their own specialty nurseries. Students who successfully complete the advanced certificate in the Landscape and Parks Maintenance track can find employment with city parks or other municipal departments, or with commercial landscape firms. Many students work either independently or with landscape maintenance companies.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Maintain landscapes to maximize their basic human comfort and livability.
2. Maintain landscapes to support regional ecology, low water use, and sustainable potential in Bay Area environments.
3. Employ maintenance practices that minimize the use of power tools, dumping of green waste, and vehicle use.

NOTE: Students should see a counselor at least once each semester to plan for their educational goal(s).

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
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<tr>
<td><strong>Level B Intermediate Landscape Parks and Maintenance Required Units:</strong></td>
<td></td>
<td>30</td>
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<tr>
<td>plus</td>
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<td></td>
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<tr>
<td><strong>Plus Level C Requirements:</strong></td>
<td></td>
<td></td>
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<tr>
<td>LANHT 21</td>
<td>Horticultural Equipment Operation, Maintenance and Repair</td>
<td>2</td>
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<td><strong>Major Elective Courses</strong></td>
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<td></td>
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<tr>
<td><strong>Group A</strong></td>
<td>Select one plant ID courses for 3 units from the following (select course(s) not previously taken):</td>
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</tr>
<tr>
<td></td>
<td>LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E</td>
<td></td>
</tr>
<tr>
<td><strong>Group B</strong></td>
<td>Select one course for 3 units from the following (select course(s) not previously taken):</td>
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</tr>
<tr>
<td>LANHT 10</td>
<td>Insects: Identification and Management</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 11</td>
<td>Plant Diseases and Their Control</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 12</td>
<td>Weeds in the Urban Landscape</td>
<td>3</td>
</tr>
<tr>
<td><strong>Group C</strong></td>
<td>Select one course for 3 units from the following (select course(s) not previously taken):</td>
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<tr>
<td>LANHT 16</td>
<td>Soil Management</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 19</td>
<td>Plant Nutrition</td>
<td>3</td>
</tr>
<tr>
<td><strong>Recommended Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LANHT 54</td>
<td>Integrated Pest Management</td>
<td>(1)</td>
</tr>
<tr>
<td>LANHT 206</td>
<td>Landscape Business Practices</td>
<td>(3)</td>
</tr>
<tr>
<td><strong>Major Requirements</strong></td>
<td></td>
<td>41</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td></td>
<td>60</td>
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</table>
**NURSERY MANAGEMENT TRACK:**
**LEVEL B. INTERMEDIATE NURSERY MANAGEMENT CERTIFICATE OF ACHIEVEMENT**

**DESCRIPTION**
The Intermediate Nursery Management certificate program provides basic training for working in the wholesale and retail nursery industry. Students will learn growing and maintenance practices, basic nursery propagation, plant media, watering systems, fertilizers, pest and disease control, and plant evaluation.

A Certificate of Achievement will be awarded upon satisfactory completion of the certificate requirements specified below.

**Note:** Completion of the Level A Basic Landscape Horticulture certificate is not required to qualify for the Level B Intermediate Nursery Management certificate. The Level B certificate includes some Level A requirements to provide the appropriate foundations for this track.

**Note:** Students should see a counselor at least once each semester to plan for their educational goal(s).

**PROGRAM LEARNING OUTCOMES**
Upon successful completion of this program, students will be able to:
1. Perform basic tasks and state-of-the-art operations of a professional nursery person.
2. Identify plants by botanical name and evaluate their suitability for use in private and public landscapes.
3. Evaluate plant stock in terms of its regional origins, water-use requirements, and sustainable potential in Bay Area environments.
4. Identify individual organisms and apply biological systems including plants, fungi, microorganisms, animals, and people to local gardens.

**PROGRAM REQUIREMENTS**

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
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<td></td>
</tr>
<tr>
<td>LANHT 1</td>
<td>Introduction to Landscape Horticulture with Lab (Day)</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LANHT 1E</td>
<td>Introduction to Landscape Horticulture (Evening)</td>
<td>3</td>
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<tr>
<td>and</td>
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<td></td>
</tr>
<tr>
<td>LANHT 16</td>
<td>Soil Management</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 19</td>
<td>Plant Nutrition</td>
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<tr>
<td>LANHT 23</td>
<td>Plant Terminology</td>
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<td>LANHT 24</td>
<td>Plant Propagation</td>
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<td>LANHT 25</td>
<td>Nursery Management</td>
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<td>LANHT 26</td>
<td>Pruning</td>
<td>.5</td>
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<td><strong>Major Elective Courses</strong></td>
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<tr>
<td><strong>Group A</strong></td>
<td>Select two plant ID courses for 6 units from the following (select course(s) not previously taken):</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E</td>
<td>6</td>
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<tr>
<td><strong>Group B</strong></td>
<td>Select two courses for 6 units from the following (select course(s) not previously taken):</td>
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</tr>
<tr>
<td>LANHT 10</td>
<td>Insects: Identification and Management</td>
<td>3</td>
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<tr>
<td>LANHT 11</td>
<td>Plant Diseases and Their Control</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 12</td>
<td>Weeds in the Urban Landscape</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
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<td>30</td>
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</tbody>
</table>
NURSERY MANAGEMENT TRACK:
LEVEL C. NURSERY MANAGEMENT SPECIALIST
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
The Nursery Management Specialist Certificate of Achievement program provides advanced training for working in the wholesale and retail nursery industry. Students will learn growing and maintenance practices for a wide variety of plant species, advanced propagation techniques, watering systems, basic soil and fertilizer chemistry, pest and disease control, and nursery business operations.

A Certificate of Achievement will be awarded upon satisfactory completion of the certificate requirements specified below.

NOTE: Students must satisfactorily complete the Level B Intermediate Nursery Management requirements to qualify for the Level C Nursery Management Specialist Certificate of Achievement.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Perform state-of-the-art sustainable operations of a professional nursery person in both wholesale and retail nursery operations.
2. Demonstrate ability to grow and/or maintain nursery stock including basic nursery propagation, soils, watering systems, fertilizers, pest and disease control, and plant evaluation.
3. Demonstrate knowledge of all aspects of nursery management including the basics of financial, site operations, personnel, and marketing aspects.

NOTE: Students should see a counselor at least once each semester to plan for their educational goal(s).

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Level B Intermediate Landscape Design and Construction Required Units</strong></td>
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<td>30</td>
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<td>plus</td>
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<td></td>
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<tr>
<td><strong>Level C Requirements listed below:</strong></td>
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</tr>
<tr>
<td>LANHT 206</td>
<td>Landscape Business Practices</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 52</td>
<td>Special Projects in Plant Propagation</td>
<td>3</td>
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<td><strong>Major Elective Courses</strong></td>
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<td></td>
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<tr>
<td><strong>Group A</strong></td>
<td>Select one additional plant ID courses from the following (select course(s) not previously taken):</td>
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<td></td>
<td>LANHT 2 or 2E; 3 or 3E; 4 or 4E; 5A, 5B, 5EA, or 5EB; 6A, 6B, 6EA, or 6EB; 7 or 7E; 40 or 40E</td>
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<tr>
<td><strong>Group B</strong></td>
<td>Select a minimum of 3 units from the following (select course(s) not previously taken):</td>
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<tr>
<td>LANHT 10</td>
<td>Insects: Identification and Management</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 11</td>
<td>Plant Diseases and Their Control</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 12</td>
<td>Weeds in the Urban Landscape</td>
<td>3</td>
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<tr>
<td><strong>Total Units</strong></td>
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<td>42</td>
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</table>
NURSERY MANAGEMENT TRACK:
LEVEL C. NURSERY MANAGEMENT SPECIALIST
ASSOCIATE IN SCIENCE (AS) DEGREE

DESCRIPTION
The Nursery Management Specialist Associate in Science degree program provides advanced training for working in the wholesale and retail nursery industry. Students will learn growing and maintenance practices for a wide variety of plant species, advanced propagation techniques, watering systems, basic soil and fertilizer chemistry, pest and disease control, and nursery business operations.

To qualify for the Associate in Science in Nursery Management Specialist degree, students must satisfactorily complete the Degree Major requirements specified below and the local AA/AS General Education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AAAS overall requirements and the local AA/AS General Education requirements.

NOTE: Students must satisfactorily complete the Level B Intermediate Nursery Management requirements to qualify for the Level C Nursery Management Specialist AS degree.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Perform state-of-the-art sustainable operations of a professional nursery person in both wholesale and retail nursery operations.
2. Demonstrate ability to grow and/or maintain nursery stock including basic nursery propagation, soils, watering systems, fertilizers, pest and disease control, and plant evaluation.
3. Demonstrate knowledge of all aspects of nursery management including the basics of financial, site operations, personnel, and marketing aspects.

NOTE: Students should see a counselor at least once each semester to plan for their educational goal(s).

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Core Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Level B Intermediate Landscape Design and Construction Required Units</td>
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<td>30</td>
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<tr>
<td>Major Elective Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group A</td>
<td>Select one additional plant ID course for 3 units from the following (select course(s) not previously taken):</td>
<td>3</td>
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<tr>
<td></td>
<td>LANHT 2 or 2E; 3 or 3E; 4 or 4E; 5A, 5B, 5EA, or 5EB; 6A, 6B, 6EA, or 6EB; 7 or 7E; 40 or 40E</td>
<td></td>
</tr>
<tr>
<td>Group B</td>
<td>Select one additional course for 3 units from the following (select course(s) not previously taken):</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LANHT 10 Insects: Identification and Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LANHT 11 Plant Diseases and Their Control</td>
<td>3</td>
</tr>
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<td></td>
<td>LANHT 12 Weeds in the Urban Landscape</td>
<td>3</td>
</tr>
<tr>
<td>Group C</td>
<td>Select 6 units from LANHT courses not previously taken</td>
<td>6</td>
</tr>
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<td></td>
<td>42</td>
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<tr>
<td>Total Units</td>
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<td>60</td>
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</table>
LANDSCAPE ARCHITECTURE
ASSOCIATE IN ARTS (AA) DEGREE

DESCRIPTION
The Landscape Architecture Associate in Arts degree program provides students with the basic foundation and skills to pursue a career or further education in Landscape Architecture. Course topics include design process and principles, site analysis, site planning, planting design, construction, topographic form, graphic representation, computer assisted design, and professional practice. Students with this degree will fulfill three objectives: Meet the minimum educational requirement to take the California Landscape Architects Registration Exam (LARE); obtain basic skills necessary to start work in a professional landscape design or design-build office; and get basic preparation towards transferring to a four-year or graduate program in landscape architecture.

To qualify for the Associate in Arts in Landscape Architecture degree, students must satisfactorily complete the Degree Major requirements specified below and the local AA/AS General Education requirements. See the Associate Degrees section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS General Education requirements.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Design landscapes that provide basic human comfort and livability.
2. Design landscapes that respond to and support regional ecology.
3. Communicate landscape design and building concepts to clients, contractors, and public agencies through written reports, drawings, graphic images, and oral presentations.
## PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
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<tr>
<td>LANHT 18A</td>
<td>Landscape Design</td>
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<td>LANHT 18LA</td>
<td>Landscape Design Laboratory</td>
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<td>LANHT 18B</td>
<td>Landscape Design</td>
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</tr>
<tr>
<td>LANHT 18LB</td>
<td>Landscape Design Laboratory</td>
<td>1</td>
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<td>LANHT 29</td>
<td>Planting Design with Lab (Day)</td>
<td>3</td>
</tr>
<tr>
<td><strong>or</strong></td>
<td></td>
<td></td>
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<tr>
<td>LANHT 29E</td>
<td>Planting Design (Evening)</td>
<td>3-4</td>
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<td>LANHT 33A</td>
<td>Design Evaluation of Bay Area Landscapes</td>
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<td>LANHT 34A</td>
<td>Computer-Assisted Landscape Design</td>
<td>3</td>
</tr>
<tr>
<td><strong>or</strong></td>
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<tr>
<td>LANHT 9A</td>
<td>SketchUp Pro I</td>
<td>3</td>
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<tr>
<td><strong>and</strong></td>
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<tr>
<td>LANHT 35A</td>
<td>Advanced Landscape Design</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 57</td>
<td>Form and Composition in Landscape Design</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 60A</td>
<td>Freehand Drawing for Landscape Designers I</td>
<td>3</td>
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<tr>
<td>LANHT 210A</td>
<td>Landscape Design Forum I</td>
<td>2</td>
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<tr>
<td><strong>Major Elective Courses</strong></td>
<td>Select one course for 3 units from the following:</td>
<td></td>
</tr>
<tr>
<td>Group A</td>
<td>LANHT 2 Plant Materials: Tree ID and Culture (Day)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LANHT 2E Plant Materials: Tree ID and Culture (Evening)</td>
<td>3</td>
</tr>
<tr>
<td>Group B</td>
<td>Select one course for 3 units from the following:</td>
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<tr>
<td>LANHT 5A</td>
<td>Plant Materials: Fall Native Plant ID and Culture with Lab (Day)</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 5B</td>
<td>Plant Materials: Spring Native Plant ID and Culture with Lab (Day)</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 5EA</td>
<td>Plant Materials: Fall Native Plant ID and Culture (Evening)</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 5EB</td>
<td>Plant Materials: Spring Native Plant ID and Culture (Evening)</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 40</td>
<td>Plant Materials: Mediterranean, South African and Australian Plant ID and Culture with Lab (Day)</td>
<td>3</td>
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<tr>
<td>LANHT 40E</td>
<td>Plant Materials: Mediterranean, South African and Australian Plant ID and Culture (Evening)</td>
<td>3</td>
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<tr>
<td>Group C</td>
<td>Select one course for 3 units from the following:</td>
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<tr>
<td>LANHT 14</td>
<td>Landscape Construction with Lab (Day)</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 14E</td>
<td>Landscape Construction (Evening)</td>
<td>3</td>
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<tr>
<td>Group D</td>
<td>Select one course for 3 units from the following:</td>
<td></td>
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<tr>
<td>LANHT 17</td>
<td>Irrigation with Lab (Day)</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 17E</td>
<td>Irrigation (Evening)</td>
<td>3</td>
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<td><strong>Major Requirements</strong></td>
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<tr>
<td><strong>Total Units</strong></td>
<td>60</td>
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</tbody>
</table>
PERMACULTURE DESIGN
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Permaculture Design certificate program is designed to train students to work on the design, maintenance, and harvesting of a ten-year old, one-acre student farm/food forest. Students will also acquire a firm foundation in horticultural basics as well as have the opportunity to round out their ecological gardening skills by taking related classes in mushroom cultivation, beneficial beasts, and natural building.

A Certificate of Proficiency will be awarded upon satisfactory completion of the requirements specified below. The Certificate of Proficiency is not indicated on the student's transcript.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Design gardens that merge landscape design, sustainable agriculture and applied ecology for people and organisms.
2. Identify individual organisms and apply biological systems including plants, fungi, microorganisms, animals, and people to local gardens.
3. Manage the infrastructure web of social/ecological gardens, including people and plant communities, animal systems, soil generation, solar, and water systems.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Core Courses</td>
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</tr>
<tr>
<td>LANHT 1</td>
<td>Introduction to Landscape Horticulture with Lab (Day)</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>Introduction to Landscape Horticulture (Evening)</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 23</td>
<td>Plant Terminology</td>
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<td>LANHT 28A</td>
<td>Permaculture Design I</td>
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<td>LANHT 28B</td>
<td>Permaculture Design II</td>
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<tr>
<td>Major Elective Courses</td>
<td>Select 6 units from the following:</td>
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<tr>
<td>LANHT 18A</td>
<td>Landscape Design</td>
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<td>and</td>
<td>Landscape Design Laboratory</td>
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<tr>
<td>LANHT 18LA</td>
<td>Landscape Design Laboratory</td>
<td>3</td>
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<tr>
<td>and</td>
<td>Landscape Design</td>
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<td>LANHT 18LB</td>
<td>Landscape Design Laboratory</td>
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<tr>
<td>LANHT 36A-C</td>
<td>Natural Building</td>
<td>3-3-3</td>
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<tr>
<td>LANHT 45A-C</td>
<td>Mushroom Cultivation I, II, III</td>
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<td>LANHT 46</td>
<td>Cycles of Land Use: East Bay Field Studies and Interpretation</td>
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<td>LANHT 54</td>
<td>Integrated Pest Management</td>
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<td>LANHT 76</td>
<td>Edible Landscaping</td>
<td>3</td>
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<tr>
<td>LANHT 208A-C</td>
<td>Growing and Using Healthful Herbs</td>
<td>2-2-2</td>
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<tr>
<td>LANHT 211A-C</td>
<td>Beneficial Beasts in the Garden and Landscape</td>
<td>6</td>
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</table>

Total Units 17.5
LANSDAPE HORTICULTURE

LANHT 1
INTRODUCTION TO LANDSCAPE HORTICULTURE WITH LAB (DAY)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in LANHT 1E.
Acceptable for credit: CSU, UC

Principles and practices of basic landscape horticulture: Brief history of horticulture, landscape planting and transplanting, soils, soil water, water quality, watering, overview of structure of higher plants, plant metabolism, vegetative/reproductive growth and development, plant propagation, hormones and plant growth, climate, light and plant growth, fertilizers and mineral nutrition; brief review of organic gardening, biological competitors of useful plants, gardening maintenance and long-term care options, branches of horticulture, and job opportunities. The lab includes planting, garden renovation, classroom demonstrations, and field trips to prominent Bay Area landscapes. 0109.00
AA/AS area 1

LANHT 1E
INTRODUCTION TO LANDSCAPE HORTICULTURE (EVENING)
3 units, 3 hours lecture (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in LANHT 1.
Acceptable for credit: CSU, UC

Principles and practices of basic landscape horticulture: Brief history of horticulture, landscape planting and transplanting, soils, soil water, water quality, watering, overview of structure of higher plants, plant metabolism, vegetative/reproductive growth and development, plant propagation, hormones and plant growth, climate, light and plant growth, fertilizers and mineral nutrition; brief review of organic gardening, biological competitors of useful plants, gardening maintenance and long-term care options, branches of horticulture, and job opportunities. Slide presentations substituted for lab. 0109.00
AA/AS area 1

LANHT 2
PLANT MATERIALS: TREE ID AND CULTURE WITH LAB (DAY)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23
Not open for credit to students who have completed or are currently enrolled in LANHT 2E.
Acceptable for credit: CSU, UC

Identification and culture of trees used in Bay Area landscapes: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. The lab includes planting, garden renovation, classroom demonstrations, and field trips to prominent Bay Area landscapes. 0109.00

LANHT 2E
PLANT MATERIALS: TREE ID AND CULTURE (EVENING)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23
Not open for credit to students who have completed or are currently enrolled in LANHT 2.
Acceptable for credit: CSU, UC

Identification and culture of trees used in Bay Area landscapes: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for lab. 0109.00

LANHT 3
PLANT MATERIALS: GROUND COVERS AND VINES ID AND CULTURE WITH LAB (DAY)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23
Not open for credit to students who have completed or are currently enrolled in LANHT 3E.
Acceptable for credit: CSU, UC

Identification and culture of groundcovers and vines used in Bay Area landscapes: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. The lab includes planting, garden renovation, classroom demonstrations, and field trips to prominent Bay Area landscapes. 0109.00

LANHT 3E
PLANT MATERIALS: GROUND COVERS AND VINES ID AND CULTURE (EVENING)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23
Not open for credit to students who have completed or are currently enrolled in LANHT 3.
Acceptable for credit: CSU, UC

Identification and culture of groundcovers and vines used in Bay Area landscapes: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for lab. 0109.00

LANHT 4
PLANT MATERIALS: SHRUBS ID AND CULTURE WITH LAB (DAY)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23
Not open for credit to students who have completed or are currently enrolled in LANHT 4E.
Acceptable for credit: CSU, UC

Identification and culture of shrubs used in Bay Area landscapes: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. The lab includes planting, garden renovation, classroom demonstrations, and field trips to prominent Bay Area landscapes. 0109.00

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LANHT 4E
PLANT MATERIALS: SHRUBS ID AND CULTURE (EVENING)
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23  
Not open for credit to students who have completed or are currently enrolled in LANHT 4.  
Acceptable for credit: CSU, UC  
Identification and culture of shrubs used in Bay Area landscapes: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for lab. 0109.00

LANHT 5A
PLANT MATERIALS: FALL NATIVE PLANT ID AND CULTURE WITH LAB (DAY)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23  
Not open for credit to students who have completed or are currently enrolled in LANHT 5A.  
Acceptable for credit: CSU  
Identification and culture of fall native plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. The lab includes classroom demonstrations and field trips to prominent Bay Area landscapes. 0109.00

LANHT 5B
PLANT MATERIALS: SPRING NATIVE PLANT ID AND CULTURE WITH LAB (DAY)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23  
Not open for credit to students who have completed or are currently enrolled in LANHT 5B.  
Acceptable for credit: CSU  
Identification and culture of spring native plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. The lab includes classroom demonstrations and field trips to prominent Bay Area landscapes. 0109.00

LANHT 5EA
PLANT MATERIALS: FALL HERBACEOUS PLANT ID AND CULTURE (EVENING)
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23  
Not open for credit to students who have completed or are currently enrolled in LANHT 5EA.  
Acceptable for credit: CSU  
Identification and culture of fall blooming herbaceous plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for lab. 0109.00

LANHT 5EB
PLANT MATERIALS: SPRING NATIVE PLANT ID AND CULTURE (EVENING)
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23  
Not open for credit to students who have completed or are currently enrolled in LANHT 5EB.  
Acceptable for credit: CSU  
Identification and culture of spring native plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for lab. 0109.00

LANHT 6A
PLANT MATERIALS: FALL HERBACEOUS PLANT ID AND CULTURE WITH LAB (DAY)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23  
Not open for credit to students who have completed or are currently enrolled in LANHT 6A.  
Acceptable for credit: CSU  
Identification and culture of fall blooming herbaceous plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. The lab includes planting, garden renovation, classroom demonstrations, and field trips to prominent Bay Area landscapes. 0109.00

LANHT 6B
PLANT MATERIALS: SPRING HERBACEOUS PLANT ID AND CULTURE WITH LAB (DAY)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23  
Not open for credit to students who have completed or are currently enrolled in LANHT 6B.  
Acceptable for credit: CSU  
Identification and culture of spring blooming herbaceous plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. The lab includes planting, garden renovation, classroom demonstrations, and field trips to prominent Bay Area landscapes. 0109.00

LANHT 6EA
PLANT MATERIALS: FALL HERBACEOUS PLANT ID AND CULTURE (EVENING)
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23  
Not open for credit to students who have completed or are currently enrolled in LANHT 6EA.  
Acceptable for credit: CSU  
Identification and culture of fall blooming herbaceous plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for lab. 0109.00
LANHT 6EB
PLANT MATERIALS: SPRING HERBACEOUS PLANT ID AND CULTURE (EVENING)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23
Not open for credit to students who have completed or are currently enrolled in LANHT 6B.
Acceptable for credit: CSU
Identification and culture of spring blooming herbaceous plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for lab. 0109.00

LANHT 7
PLANT MATERIALS: CONIFER ID AND CULTURE WITH LAB (DAY)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23
Not open for credit to students who have completed or are currently enrolled in LANHT 7E.
Acceptable for credit: CSU
Identification and culture of conifers used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; pruning and propagation. The lab includes planting, garden renovation, classroom demonstrations, and field trips to prominent Bay Area landscapes. 0109.00

LANHT 7E
PLANT MATERIALS: CONIFER ID AND CULTURE (EVENING)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: LANHT 1 or LANHT 1E; and LANHT 23
Not open for credit to students who have completed or are currently enrolled in LANHT 7.
Acceptable for credit: CSU
Identification and culture of conifers used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for laboratory. 0109.00

LANHT 8
TURF ID, CULTURE AND MANAGEMENT WITH LAB (DAY)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23
Not open for credit to students who have completed or are currently enrolled in LANHT 8E.
Acceptable for credit: CSU
Identification of turf plants, their role in the landscape, and turf management: Plant selection, establishment and maintenance; identification of common problems and their treatments. The lab includes turf establishment, turf renovation, turf equipment, and field trips to locations using turf such as golf courses, athletic fields and sports complexes. 0109.40

LANHT 8E
TURF ID, CULTURE AND MANAGEMENT (EVENING)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23
Not open for credit to students who have completed or are currently enrolled in LANHT 8.
Acceptable for credit: CSU
Identification of turf plants, their role in the landscape, and turf management: Plant selection, establishment and maintenance; identification of common problems and their treatments. Slide presentations and field lectures substituted for lab. 0109.40

LANHT 9A
SKETCHUP PRO I
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Introduction to the SketchUp 3D drawing program: Basic operating procedures, drawing and editing tools, and 3D drawing and presentation techniques for making presentations to clients, contractors, and other professionals. 0109.10
AA/AS area 4c

LANHT 9B
SKETCHUP PRO II
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Continuation of LANHT 9A: Advanced SketchUp tools including rendering, landform modeling, and virtual walkthroughs. 0109.10
AA/AS area 4c

LANHT 9C
SKETCHUP PRO III
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Continuation of LANHT 9B: Applied use of SketchUp for the production of student's professional projects. 0109.10
AA/AS area 4c

LANHT 10
INSECTS: IDENTIFICATION AND MANAGEMENT
3 units, 2.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Recommended preparation: LANHT 1 or LANHT 1E
Acceptable for credit: CSU
Study of local insects, especially those associated with ornamental/landscape plants: Emphasis on biology and identification of pests and beneficial insects; identification of associated plant damage; principles and methods of integrated pest management; methods of collecting and preserving insects. 0109.00

LANHT 11
PLANT DISEASES AND THEIR CONTROL
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: LANHT 1 or LANHT 1E
Acceptable for credit: CSU
Identification and control of diseases of landscape plants, both exotic and native. 0109.00
LANHT 12  
**WEEDS IN THE URBAN LANDSCAPE**  
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23  
Acceptable for credit: CSU  

Study of nature of weeds and their interactions in the environment: Emphasis on identification and characteristics of various central California weeds, including preventive, biological, and chemical methods of weed control. 0109.00

LANHT 13  
**ARBORIZCULTURE WITH LAB (DAY)**  
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23  
Not open for credit to students who have completed or are currently enrolled in LANHT 13E.  
Acceptable for credit: CSU  

Principles and practices in the management of trees and shrubs in the landscape: Planting concerns (structural and environmental), pruning and its applications, grafting and budding applications, tree-hazard management, preventive maintenance and repair, diagnosing plant problems, preserving existing plants, tree valuation and tree maintenance businesses. The lab includes pruning, staking, fruit-tree twig identification, and field trips to perform tree-hazard evaluations, tree valuations, and to diagnose tree problems. 0109.00

LANHT 13E  
**ARBORIZCULTURE (EVENING)**  
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23  
Not open for credit to students who have completed or are currently enrolled in LANHT 13.  
Acceptable for credit: CSU  

Principles and practices in the management of trees and shrubs in the landscape: Planting concerns (structural and environmental), pruning and its applications, grafting and budding applications, tree-hazard management, preventive maintenance and repair, diagnosing plant problems, preserving existing plants, tree valuation and tree maintenance businesses. Slide presentations substituted for lab. 0109.00

LANHT 14  
**LANDSCAPE CONSTRUCTION WITH LAB (DAY)**  
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E  
Not open for credit to students who have completed or are currently enrolled in LANHT 14E.  
Acceptable for credit: CSU  

Principles and practices of landscape construction: Construction of fences, gates, decks, patios, walkways, retaining walls; construction tools, equipment, and hardware; concrete and masonry work; laws and regulations; lab includes construction of the above-mentioned structures. 0109.10

LANHT 14E  
**LANDSCAPE CONSTRUCTION (EVENING)**  
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E  
Not open for credit to students who have completed or are currently enrolled in LANHT 14.  
Acceptable for credit: CSU  

Principles and practices of landscape construction: Construction of fences, gates, decks, patios, walkways, retaining walls; construction tools, equipment, and hardware; concrete and masonry work; laws and regulations. Slide presentations, tool demonstrations, site analysis and model building substituted for lab. 0109.10

LANHT 15  
**BOTANY**  
3 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)  
Also offered as BIOL 5. Not open for credit to students who have completed or are currently enrolled in BIOL 5.  
Acceptable for credit: CSU, UC  

Introductory study of botany: Structure, physiology, genetics, ecology, and uses of plants. Laboratory work emphasizes microscopy, physiology experiments, and field identification. 0109.00  
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C

LANHT 16  
**SOIL MANAGEMENT**  
3 units, 2.5 hours lecture, 1.5 hours laboratory (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E  
Acceptable for credit: CSU, UC  

Origin of soils, rocks, and minerals: Physical and chemical properties, water relations of plants and soils, soil fertility and fertilizers, organic matter, soil amendments for clay and for acid and alkali soils, and the cycling of nutrients in nature. 0109.00

LANHT 17  
**IRRIGATION WITH LAB (DAY)**  
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E  
Not open for credit to students who have completed or are currently enrolled in LANHT 17E.  
Acceptable for credit: CSU  

Principles and practices of irrigation design and installation: Irrigation system components, layout, hydraulics, automatic and solid-state controllers, drip irrigation and pumps; lab includes the installation of irrigation systems. 0109.00
LANHT 17E
IRRIGATION (EVENING)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: LANHT 1 or LANHT 1E
Not open for credit to students who have completed or are currently enrolled in LANHT 17.
Acceptable for credit: CSU

Principles and practices of irrigation design and installation: Irrigation system components, layout, hydraulics, automatic and solid-state controllers, drip irrigation and pumps. Slide presentations, tool demonstrations, and site analysis substituted for lab. 0109.00

LANHT 18A
LANDSCAPE DESIGN
3 units, 3 hours lecture (GR or P/NP)
Corequisite: LANHT 18LA
Recommended preparation: Sketching classes, drafting classes, knowledge of plants and outdoor building materials, knowledge of landscape construction
Acceptable for credit: CSU, UC

Introduction to landscape design: Licensing and professional practice issues, design program formation, site inventory and analysis, conceptual diagrams, and preliminary plan development for small-scale landscape designs. 0109.10

LANHT 18LB
LANDSCAPE DESIGN LABORATORY
1 unit, 3 hours laboratory (GR or P/NP)
Prerequisite: LANHT 18A
Corequisite: LANHT 18B
Not open for credit to students who have completed LANHT 22B.
Acceptable for credit: CSU, UC

Hands-on application of the concepts presented in LANHT 18B (Landscape Design): Principles of sustainable and low-impact design: advanced drawing techniques; horizontal and vertical measuring; cost estimating; planting plan development. 0109.10

LANHT 19
PLANT NUTRITION
3 units, 2.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23
Acceptable for credit: CSU

Structure and functions of cells and tissues in plants: Elements and their functions; recognition of deficiency symptoms; sources of nutrients, organic and inorganic; absorption of water and minerals; translocation; photosynthesis; respiration and transpiration; nitrogen and carbon cycling; and application to composting. 0109.00

LANHT 21
HORTICULTURAL EQUIPMENT OPERATION, MAINTENANCE AND REPAIR
2 units, 2 hours lecture, 1 hour laboratory (GR or P/NP)
Acceptable for credit: CSU

Basic principles of small engine operation: Engine parts, scheduling maintenance, troubleshooting engine problems, performing repairs, and safety; use of tools powered by small gas engines (lawn mowers, edgers, blowers, tillers, brush cutters, lawn aerators, chainsaws, tractors, trenchers, weed eaters, and others). 0109.00

LANHT 23
PLANT TERMINOLOGY
2.5 units, 2.5 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Terminology used in identification of plants: Terms relating to roots, stems, leaves, flowers and fruit used in all plant identification courses and in Introduction to Landscape Horticulture. 0109.00

LANHT 24
BEGINNING PLANT PROPAGATION
3 units, 2.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23
Acceptable for credit: CSU

Survey of plant propagation: History of propagation, plant biology, sexual and asexual reproduction; principles and practices of grafting and budding, layering, division, cutting propagation, seed propagation, and micropropagation; the propagation environment including media, edaphic factors affecting plant growth, fertilization and greenhouse design. 0109.00
LANHT 25
NURSERY MANAGEMENT
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: LANHT 1 or 1E, and 23
Acceptable for credit: CSU
Management of retail and wholesale nurseries in relation to sales, marketing, operation, layout, and production: Principles and practices of soil mixes, fertilization, watering, and scheduling. 0109.30

LANHT 26
PRUNING
.5 units, .5 hours lecture, .5 hours laboratory (P/NP)
Acceptable for credit: CSU
Elements of pruning: Basic pruning methods to more advanced techniques for pruning of ornamental trees, shrubs, vines, groundcovers, and fruit trees. 0109.00

LANHT 28A
PERMACULTURE DESIGN I
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Strategies and techniques of applied ecology/permaculture design and application for designing livable human communities: Observation of natural patterns, gardening in urban settings, water and nutrient recycling in the landscape, and an introduction to the Bay Area bioregion; emphasis on permaculture ethics and principles, soil fertility, composting, and synergistic plant associations. 0109.10

LANHT 28B
PERMACULTURE DESIGN II
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Strategies and techniques of applied ecology/permaculture design and application for designing livable human communities: Observation of natural patterns, gardening in urban settings, water and nutrient recycling in the landscape, and an introduction to the Bay Area bioregion; emphasis on design and assessment of landscapes, zero waste, and mulching techniques. 0109.10

LANHT 28C
PERMACULTURE DESIGN III
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Strategies and techniques of applied ecology/permaculture design and application for designing livable human communities: Observation of natural patterns, gardening in urban settings, water and nutrient recycling in the landscape, and an introduction to the Bay Area bioregion; emphasis on water and nutrient cycling, ecovillages, food preservation, and team student designs. 0109.10

LANHT 28D
PERMACULTURE DESIGN IV
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Strategies and techniques of applied ecology/permaculture design and application for designing livable human communities: Observation of natural patterns, gardening in urban settings, water and nutrient recycling in the landscape, and an introduction to the Bay Area bioregion; emphasis on harvesting wild energies, appropriate technology, orchards, and individual student designs. 0109.10

LANHT 29
PLANTING DESIGN WITH LAB (DAY)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: LANHT 18A and LANHT 18LA, and LANHT 2 or LANHT 2E, and LANHT 3 or LANHT 3E, and LANHT 4 or LANHT 4E
Not open for credit to students who have completed or are currently enrolled in LANHT 29E.
Acceptable for credit: CSU, UC
Plants as landscape design elements: Ecological design criteria, functional use of plants in design, plants as spatial delineators, visual and aesthetic qualities of plants, and planting design styles; lab includes planting, planting design projects, and field trips. 0109.10

LANHT 29E
PLANTING DESIGN (EVENING)
4 units, 4 hours lecture (GR or P/NP)
Prerequisite: LANHT 18A and LANHT 18LA, LANHT 22A, and LANHT 3 or LANHT 3E, and LANHT 2 or LANHT 2E or LANHT 4 or LANHT 4E
Not open for credit to students who have completed or are currently enrolled in LANHT 29.
Acceptable for credit: CSU, UC
Plants as landscape design elements: Ecological design criteria, functional use of plants in design, plants as spatial delineators, visual and aesthetic qualities of plants, and planting design styles. Slide presentations and site analysis substituted for lab. 0109.10

LANHT 31
SITE OPERATIONS FOR LANDSCAPE DESIGNERS AND BUILDERS
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Site operations and procedures essential for landscape designers and builders to execute a design in the field: Slope analysis, cut and fill calculations, layout and staking, measuring, operating a transit level, and cost estimating. 0109.10

LANHT 33A
DESIGN EVALUATION OF BAY AREA LANDSCAPES
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Investigation of selected San Francisco Bay Area landscapes: Evaluation of plants and materials, compositional elements, history, site factors (climate, topography, soils), and social uses. 0109.10
LANHT 33B
**DESIGN EVALUATION OF BAY AREA LANDSCAPES**
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Continuation of LANHT 33A: Investigation of selected San Francisco Bay Area landscapes with focus on city form, cognitive mapping, behavior mapping, legibility and cultural factors. 0109.10
AA/AS area 2

LANHT 34A
**COMPUTER-ASSISTED LANDSCAPE DESIGN**
3 units, 3 hours lecture, 1 hour laboratory (GR or P/NP)
Recommended preparation: LANHT 18A and LANHT 18LA, LANHT 22A
Acceptable for credit: CSU

Principles and techniques of 2D and 3D computer-assisted landscape design: Layering, dimensioning, technical computations, free-hand techniques, symbol libraries, and preparation of completed designs; 2D drawing and editing tools; organizational and calculation tools; section and elevation drawings. 0109.10
AA/AS area 4c

LANHT 34B
**COMPUTER-ASSISTED LANDSCAPE DESIGN**
3 units, 3 hours lecture, 1 hour laboratory (GR or P/NP)
Prerequisite: LANHT 34A
Acceptable for credit: CSU
Continuation of LANHT 34A: Constructing and editing 3D models and landforms, and perspective and axonometric plans. 0109.10
AA/AS area 4c

LANHT 34C
**COMPUTER-ASSISTED LANDSCAPE DESIGN**
3 units, 3 hours lecture, 1 hour laboratory (GR or P/NP)
Prerequisite: LANHT 34B
Acceptable for credit: CSU
Continuation of LANHT 34B: Constructing object and plant reference libraries and plant databases; advanced landscape design drawings (grading and drainage plans, layout plans, construction details). 0109.10
AA/AS area 4c

LANHT 35A
**ADVANCED LANDSCAPE DESIGN**
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: LANHT 18B, LANHT 22B
Acceptable for credit: CSU

Topographic form and design, including grading and drainage principles and practices, erosion control, cut and fill calculations, preparing and interpreting contour maps, and designing walls, stairs, and terraces. 0109.10

LANHT 35B
**ADVANCED LANDSCAPE DESIGN**
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: LANHT 18B, LANHT 22B
Acceptable for credit: CSU

Advanced landscape design topics, including layout and dimensioning plans, lighting design, water feature design, and custom structural detailing. 0109.10

LANHT 36A
**NATURAL BUILDING**
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Also offered as ENVMT 38A. Not open for credit to students who have completed or are currently enrolled in ENVMT 38A.
Acceptable for credit: CSU

Building and design techniques which use energy-efficient, local, natural, sustainable, and accessible materials with a focus on urban applications: Historical and current uses of natural building materials, hands-on experience, guest lecturers, and tours of local projects; emphasis on appropriate site-specific materials and construction of natural building foundations and small projects (benches, ovens, walls). 0109.10

LANHT 36B
**NATURAL BUILDING**
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Also offered as ENVMT 38B. Not open for credit to students who have completed or are currently enrolled in ENVMT 38B.
Acceptable for credit: CSU
Continuation of LANHT 36A: Site assessment, design sketches, and construction of natural building roof systems and small projects (natural plasters, rammed earth). 0109.10

LANHT 36C
**NATURAL BUILDING**
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Also offered as ENVMT 38C. Not open for credit to students who have completed or are currently enrolled in ENVMT 38C.
Acceptable for credit: CSU
Continuation of LANHT 36B: Independent student projects and construction of poured adobe flooring and natural building walls with plastering. 0109.10
LANHT 40  
PLANT MATERIALS: MEDITERRANEAN, SOUTH AFRICAN AND AUSTRALIAN PLANT ID AND CULTURE WITH LAB (DAY)  
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23  
Not open for credit to students who have completed or are currently enrolled in LANHT 40E.  
Acceptable for credit: CSU, UC  
Identification and culture of Mediterranean, South African and Australian plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. The lab includes classroom demonstrations and field trips to prominent Bay Area landscapes. 0109.00

LANHT 40E  
PLANT MATERIALS: MEDITERRANEAN, SOUTH AFRICAN AND AUSTRALIAN PLANT ID AND CULTURE (EVENING)  
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: LANHT 1 or LANHT 1E, and LANHT 23  
Not open for credit to students who have completed or are currently enrolled in LANHT 40.  
Acceptable for credit: CSU, UC  
Identification and culture of Mediterranean, South African and Australian plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for lab. 0109.00

LANHT 45A  
MUSHROOM CULTIVATION I  
2 units, 1 hours lecture, 3 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Study of mushrooms in the landscape and garden for food, medicine, aesthetics, soil building, composting, and bioremediation: Relationships with plants, taxonomy, and lore; how these organisms function similarly and differently with plants; laboratory covers capture and ramping-up methods, translation of lab methods to field use. 0109.00

LANHT 45B  
MUSHROOM CULTIVATION II  
2 units, 1 hours lecture, 3 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Continued study of mushrooms in the landscape and garden: Emphasis on applying skills and design techniques to development of individual and group mushroom cultivation projects; laboratory covers capture and ramping-up methods, translation of lab methods to field use. 0109.00

LANHT 45C  
MUSHROOM CULTIVATION III  
2 units, 1 hours lecture, 3 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU, UC  
Advanced study of mushrooms in the landscape and garden: Emphasis on the development of a presentation portfolio of mushroom cultivation projects; laboratory covers capture and ramping-up methods, translation of lab methods to field use. 0109.00

LANHT 46  
CYCLES OF LAND USE: EAST BAY FIELD STUDIES AND INTERPRETATION  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Study of the plant systems and human communities of the East Bay: Integrated study of the geology, hydrology, topography, botany, ecology, cultural history, and resource management of the local landscape; application of principles and practices of landscape design and ecological restoration; and use of field studies, mapping, oral histories, and source materials to strengthen one's connection to the area's past, present, and future. 0109.00

LANHT 49  
INDEPENDENT STUDY IN LANDSCAPE HORTICULTURE  
.5-5 units (GR or P/NP)  
Acceptable for credit: CSU  
See section on Independent Study. 0109.00

LANHT 50  
PLANT TAXONOMY  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Techniques taught to recognize and properly explain the variation of plants and to systematically organize this information: Cataloging, identifying, and classifying species used in horticulture, both exotic and native plants. 0109.00

LANHT 51A  
NATURAL LANDSCAPE INTERPRETATION  
.5 units, 32 term hours laboratory (GR or P/NP)  
Modular, open-entry/open-exit course: Four-day field studies trip to each different locale.  
Acceptable for credit: CSU  
Dominant and typical plant constituents of each vegetation unit in California focusing on those species currently used in the nursery industry: Emphasis on maritime provinces (outer coastal ranges, low elevation); merging of habitat, soil and climatic factors with plant species to establish appropriate natural and horticultural context. 0109.00
LANHT 51B
NATURAL LANDSCAPE INTERPRETATION
.5 units, 32 term hours laboratory (GR or P/NP)
Modular, open-entry/open-exit course: Four-day field studies trip to each different locale.
Acceptable for credit: CSU
Dominant and typical plant constituents of each vegetation unit in California focusing on those species currently used in the nursery industry: Emphasis on steppe provinces (inner coastal ranges, low-intermediate elevations, foothills); merging of habitat, soil and climatic factors with plant species to establish appropriate natural and horticultural context. 0109.00

LANHT 51C
NATURAL LANDSCAPE INTERPRETATION
.5 units, 32 term hours laboratory (GR or P/NP)
Modular, open-entry/open-exit course: Four-day field studies trip to each different locale.
Acceptable for credit: CSU
Dominant and typical plant constituents of each vegetation unit in California focusing on those species currently used in the nursery industry: Emphasis on continental provinces (warm interior, lower latitude and altitude); merging of habitat, soil and climatic factors with plant species to establish appropriate natural and horticultural context. 0109.00

LANHT 51D
NATURAL LANDSCAPE INTERPRETATION
.5 units, 32 term hours laboratory (GR or P/NP)
Modular, open-entry/open-exit course: Four-day field studies trip to each different locale.
Acceptable for credit: CSU
Dominant and typical plant constituents of each vegetation unit in California focusing on those species currently used in the nursery industry: Emphasis on continental provinces (cold interior, high latitude and altitude); merging of habitat, soil and climatic factors with plant species to establish appropriate natural and horticultural context. 0109.00

LANHT 52
SPECIAL PROJECTS IN PLANT PROPAGATION
3 units, 2.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Prerequisite: LANHT 24
Acceptable for credit: CSU
In-depth study of concepts in plant propagation: Seeds, cuttings, layering, and grafting; highlighted by field trips and guest speakers. A semester-long propagation project of each student’s choosing is also required. 0109.00

LANHT 53
ALPINES LAB
1 unit, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Observation of nature’s effect on natural rock-garden formation and application of these principles in the design and installation of local artificial rock gardens: Discussion of native and exotic alpine species, natural rock-garden environments, and plant habitat composition. 0109.10

LANHT 54
INTEGRATED PEST MANAGEMENT
1 unit, 1 hour lecture (GR or P/NP)
Acceptable for credit: CSU
Introduction to integrated pest management as a viable alternative to pesticide use: In-depth look at pesticide alternatives; discussion of several integrated pest management case studies and steps needed to begin an integrated pest management program. 0109.00

LANHT 55
HISTORY OF GARDENS AND GARDENING
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Historical evolution of gardens from the earliest cultivation of plants by humans to the present day: History of the theory and practice of garden design, horticulture, and cultivation of plants (both useful and ornamental), and of the artistic, social, philosophical, and literary contexts of garden-making through the ages; examination of the lives of people who have contributed to the creation of gardens by designing them, creating and cultivating plants to grow in them, writing about them, and depicting them in art, literature and music. 0109.00
AA/AS area 3

LANHT 57
FORM AND COMPOSITION IN LANDSCAPE DESIGN
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Principles of composition underlying landscape design: Dynamics of space and scale, visual order, form relationship, aesthetic and experiential dimensions of materials and plants. 0109.10

LANHT 60A
FREEHAND DRAWING FOR LANDSCAPE DESIGNERS I
3 units, 2.5 hours lecture, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Freehand drawing techniques to assist landscape designers in producing three-dimensional images of their designs: Basic line-drawing techniques depicting profiles and texture, light, shade, tone, value, and volume; drawing horizon-line perspective sketches; rendering plants and landscape materials. 0109.10
LANHT 64
SKETCHING THE CULTURAL LANDSCAPE
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: LANHT 60A
Acceptable for credit: CSU, UC

Sketching as a tool for evaluating and recording how people interact with place in the Bay Area: Urban patterns, social, ethnic and historical influences, and the interaction of built and natural landscapes; readings, discussions, and keeping annotated sketchbooks. 0109.10
AA/AS area 2, 3; CSU area C1, D; IGETC area 3A, 4G

LANHT 76
EDIBLE LANDSCAPING
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: LANHT 1
Acceptable for credit: CSU

Use of food-producing plants in the constructed landscape for homeowners, renters, school gardens, community gardens, senior centers, and micro-farms. 0109.00

LANHT 77
CROP PRODUCTION, MARKETING AND SALES
1.5 units, .5 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU

Plant production from seed to sale: Crop production including propagation techniques, soil mixes, fertilizers, light and water, sales and marketing strategies. 0109.10

LANHT 80
URBAN AND COMMUNITY FORESTRY
2 units, 2 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Foundations of urban and community forestry: Technology used in the field by arborists; appraisal and value of urban vegetation; planning for, managing, and applying work practices performed by practitioners in community forestry and urban forestry; urban forestry policies and vegetation ordinances; best practices for local community resources supporting urban forestry. 0109.00

LANHT 81
ARBORIST EQUIPMENT FUNDAMENTALS
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU

Fundamentals of equipment used in the arborist trade: Chain saws, chippers, plant health care equipment, and aerial lift; truck driving and bucket truck operations; equipment maintenance; equipment safety and safe work practices. 0109.00

LANHT 82
TREE HEALTH CARE
2 units, 2 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Exploration of tree health care: Tree management, treatment options, and prescriptions; integrated pest management; plant nutrition; equipment for treatment applications; soil amendment; managing tree construction damage; integrated vegetation management standards; tree risk assessment; and tree hazard management. 0109.00

LANHT 83
LARGE EQUIPMENT OPERATIONS FOR ARBORISTS
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisites: LANHT 81, LANHT 84, and LANHT 86
Acceptable for credit: CSU

Introduction to large-scale arboriculture equipment: Driving trucks and trailers; operation of lifts, stump grinders, and accessory equipment such as log loaders, booms, and cranes; rigging equipment, techniques, and safety; safe tree removal; felling trees and large limb felling. 0109.00

LANHT 84
PRUNING FOR URBAN AND COMMUNITY FORESTRY
1 unit, 3 hours laboratory (GR or P/NP)
Prerequisite: LANHT 26
Acceptable for credit: CSU

Principles and practices in pruning for urban and community forestry: Tree care pruning standards and application of those standards to various tree care situations; trees assessment for pruning needs; types of pruning cuts and how to perform the cuts properly; commercial, municipal, and utility applications for pruning; application of pruning practices for specific tree species. 0109.00

LANHT 85
INTRODUCTION TO CLIMBING AND AERIAL TREE WORK
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU

Practices and techniques of tree climbing and aerial tree work: Pre-climb inspections; climbing equipment for safety; rope installations; ascending skills; re-positioning skills; maneuvering techniques; descending skills; knots for various situations and applications; emergency response procedures including aerial rescue basic concepts. 0109.00

LANHT 86
APPLIED AERIAL TREE WORK
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Prerequisites: LANHT 85
Acceptable for credit: CSU

Strategies and techniques of applied aerial tree work: Safe work practices; operating chain saws in an aerial situation; performing pruning cuts at heights; rigging loads during aerial work; climbing in spurs; decision-making for aerial pruning cuts and tree care; aerial rescue training. 0109.00
LANHT 87  
ADVANCED AERIAL TREE WORK  
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)  
Prerequisites: LANHT 13, LANHT 83, LANHT 84, and LANHT 86  
Acceptable for credit: CSU  
Advanced, hands-on applications of aerial tree work: Emergency response; aerial rescue; storm preparedness; storm damage response; working with wood under tension; tree risks & mechanics; emerging trends impacting the trade and occupation; skill building in advanced or specialized/technical aerial tasks associated with rigging, removal and felling. 0109.00

LANHT 88  
CREW LEADERSHIP IN ARBORICULTURE  
1 unit, 3 hours laboratory (GR or P/NP)  
Prerequisites: LANHT 13, LANHT 80, LANHT 82, LANHT 83, LANHT 84, and LANHT 86  
Acceptable for credit: CSU  
Aspects of crew leadership in arboriculture: Preparation for post-training work duties; examination of key job duties and tasks associated with tree care operations; communications, planning, and leadership; setting up job sites; managing resources; reporting work performed; application of communication and interpersonal skills to various work site situations; interpreting written work orders/plans; application of leadership skills to solve problems; examine strategies for creating safe workplaces and modeling safe cultures for diverse populations. 0109.00

LANHT 201  
LANDSCAPE MAINTENANCE PRACTICES  
3 units, 3 hours lecture (GR or P/NP)  
Day-to-day aspects of maintenance gardening: Organizational skills, advertising, tool selection, generating business, estimating strategies, setting rates, client relations, efficiency strategies, and good maintenance habits. 0109.10

LANHT 206  
LANDSCAPE BUSINESS PRACTICES  
2 units, 3 hours lecture (GR or P/NP)  
Business practices for landscape professionals: Book-keeping, tax records, licensing, insurance, contracts and agreements, employee management, marketing, and job tracking and costing. 0109.10

LANHT 207  
SPECIAL PROJECTS IN LANDSCAPE HORTICULTURE  
1-4 units, 5-2 hours lecture, 1.5-6 hours laboratory (GR or P/NP)  
Special projects in landscape horticulture: Provides hands-on experience with projects ranging from plant propagation and greenhouse operations to design, construction, irrigation, installation and maintenance of community gardens as well as California native and non-native gardens. 0109.00

LANHT 208A  
GROWING AND USING HEALTHFUL HERBS  
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)  
Comprehensive study of growing and using herbs for culinary, medicinal, utilitarian, and ornamental use: Herb identification and usage; planting, care, and propagation of herbs; harvesting, preparing, creating, and safely applying herbal products. 0109.00

LANHT 208B  
GROWING AND USING HEALTHFUL HERBS  
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)  
Application of information and principles learned in LANHT 208A: Performing demos and presentations, and supervising beginning-level students. 0109.00

LANHT 208C  
GROWING AND USING HEALTHFUL HERBS  
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)  
Research of selected herbs, preps, or other aspects of herbology: Designing an herb garden. 0109.00

LANHT 210A  
LANDSCAPE DESIGN FORUM I  
2 units, 2 hours lecture (GR or P/NP)  
Forum emphasizing professional practices in landscape design, including review of student designs for client presentation and guest speakers in the trade: Basics of contracts and professional licensing options; development of a portfolio to market services. 0109.10

LANHT 210B  
LANDSCAPE DESIGN FORUM II  
2 units, 2 hours lecture (GR or P/NP)  
Forum emphasizing professional practices in landscape design, including review of student designs for client presentation and guest speakers in the trade: Strategies for estimating landscape design fees and installation costs and managing project budgets. 0109.10

LANHT 210C  
LANDSCAPE DESIGN FORUM III  
2 units, 2 hours lecture (GR or P/NP)  
Forum emphasizing professional practices in landscape design, including review of student designs for client presentation and guest speakers in the trade: Presenting designs to clients and planning boards; developing resource lists of nurseries, suppliers, and subcontractors; continuing education opportunities in the landscape design field. 0109.10
LANHT 211A
BENEFICIAL BEASTS IN THE GARDEN AND LANDSCAPE
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)

Study of the benefits of incorporating wild, naturalized, and domesticated members of the animal kingdom in the garden and landscape: Life cycles and ecological environments (aquatic, terrestrial, aerial) of animals typically encountered or used in the garden and landscape with concentration on representative species (worms, maggots, mantises, escargot, honeybees, tadpoles, birds, livestock, etc.); biological, mechanical, temporal, and other natural barriers detrimental to undesirables in the landscape. 0109.00

LANHT 211B
BENEFICIAL BEASTS IN THE GARDEN AND LANDSCAPE
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)

Application of information and principles learned in LANHT 211A: Performing demos and presentations, and supervising beginning-level students. 0109.00

LANHT 211C
BENEFICIAL BEASTS IN THE GARDEN AND LANDSCAPE
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)

Research of selected topics in applied zoology: Designing a system integrating animals in the garden landscape. 0109.00

NONCREDIT LANHT COURSE

LANHT 501
URBAN COMMUNITY GARDEN
0 units, 1 hour lecture, 3 hours laboratory (P/NP)

Urban community gardening: Benefits, skills for design and implementation, raised-bed garden techniques, garden maintenance, plant/crop selection, and community organizational skills. 0109.00
The Learning Center is designed to help all students acquire the skills they need to succeed in college. The center offers help in three ways: Self-paced Classes, Tutoring, and Technology Services.

**COURSES**

### LEARNING RESOURCES

**LRNRE 30**
**INTRODUCTION TO TUTORING**
1 unit, 1 hour lecture (G or P/NP)
Acceptable for credit: CSU

Introduction to the methods of effective tutoring: Responsibilities, questioning and modeling techniques, learning style and strategies study skills and strategies, leading small group sessions, cultural awareness, and tutoring in specific subject areas. 0802.00

**LRNRE 31**
**ADVANCED TUTOR TRAINING**
1 unit, 1 hour lecture (GR or P/NP)
Prerequisite: LRNRE 30
Acceptable for credit: CSU

Methods of effective tutoring: Questioning and modeling techniques, learning styles and strategies, study skills and strategies, leading small group sessions, cultural awareness, tutoring in specific subject areas and problem solving. 0802.00

**LRNRE 211**
**COMPUTER ACCESS**
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended for students with disabilities. No prior computer experience necessary.
Formerly offered as LRNRE 271A-B.
Course may be repeated as necessary per Title 5, Section 56029.

Word processing for individuals with visual, physical, or learning disabilities: Creating business letters, resumes, reports, and flyers using adaptive programs as appropriate, and use of screen-reading software to assist in editing and proofreading written work; introductory Internet skills, including e-mail, basic research, and locating resources on the web; and introduction to presentation software. 4930.30
AA/AS area 4c

**LRNRE 214**
**ADAPTIVE TECHNOLOGY FOR WEB PAGE DESIGN**
1 unit, 1 hour lecture, 1 hour laboratory (P/NP)
Recommended for students with physical and developmental disabilities; adaptive equipment available.

Utilization of Microsoft FrontPage for the development of simple web and intermediate websites using adaptive technology: Obtaining free web space to upload the website, and marketing and listing it with search engines. 4930.30

**LRNRE 261**
**ENGLISH FOR LIFE AND CAREER SUCCESS**
3 units, 3 hours lecture (GR or P/NP)
Recommended for students with disabilities. It is recommended that students see a Disability Services Program Counselor before enrolling.

Course may be repeated as necessary per Title 5, Section 56029.

Introduction and practice in reading and writing skills for life/ career success: Vocabulary development; reading documents in community life and the workplace; basic writing for community, life and employment purposes; Internet and library use. 4930.32

**LRNRE 262**
**MATHEMATICS FOR LIFE AND CAREER SUCCESS**
3 units, 3 hours lecture (GR or P/NP)
Recommended for students with disabilities.

It is recommended that students see a Disability Services Program Counselor before enrolling.

Course may be repeated as necessary per Title 5, Section 56029.

Mathematics for daily use in community, home and work: Addition, subtraction, multiplication and division with and without a calculator; banking and credit cards; wages and benefit statements; budget planning. 4930.32

**LRNRE 272**
**COMPUTER ACCESS PROJECTS**
.5-2 units, 1.5-6 hours laboratory (P/NP)
Open-entry/open-exit course
Recommended for students with disabilities. Enroll through Programs and Services for Students with Disabilities.
Course may be repeated as necessary per Title 5, Sec 56029.

Introduction to assistive software: Use of screen-reading, image-enlargement, speech-recognition, scan/read or other software appropriate to the student’s disability; application of assistive software to complete assignments for mainstream courses. 4930.30

**LRNRE 280**
**STUDY SKILLS**
.5-3 units, 0-3 hours lecture, 0-9 hours laboratory (P/ NP)

Open-entry/open-exit course
Course may be repeated two times for a maximum of 9 units.

Students with learning disabilities may exceed repeat limits with prior Disability Services Program Counselor approval.

Systematic approach to understanding principles of learning for all academic disciplines: Effective study techniques to give confidence in coping with the college environment; psychological awareness and self-esteem. 4930.14
COURSES

LRNRE 297A
METACOGNITIVE LEARNING I
1 unit, 1 hour lecture (P/NP)
Recommended for students with learning disabilities. It is recommended that students see a Disabled Students Programs and Services Counselor before enrolling.

Overview of issues relating to learning disabilities: Learning styles, study strategies, adaptive technology, services and accommodations, and disability laws; the eligibility process, processing strengths and deficits, and aptitude-achievement discrepancies described in Title 5 of the California Education Code. 4930.32

LRNRE 501
SUPERVISED TUTORING
0 units, 1-15 hours laboratory (P/NP)
Open-entry/open-exit course
Students may enroll for assistance in more than one college course per semester.

Supervised tutoring, either individually or in small groups, to improve student success in college courses. 4930.09

LRNRE 561
BASIC ENGLISH FOR LIFE AND CAREER SUCCESS
0 units, 3 hours lecture (P/NP or SP)
Open-entry/open-exit

Introduction and practice in reading and writing skills for life/career success: Vocabulary development; reading documents in community life and the work place; very basic writing for community, life and employment purposes; Internet and library use. (Recommended for students with disabilities. Recommended students see a Disability Services Program Counselor before enrolling.) 4930.32

LRNRE 562
BASIC MATH FOR LIFE AND CAREER SUCCESS
0 units, 3 hours lecture (P/NP or SP)
Open-entry/open-exit

Basic Mathematics for daily use in community, home and work: Addition, subtraction, multiplication and division with and without a calculator; banking and credit cards; wages and benefit statements; budget planning. (Recommended for Students with Disabilities. (Recommended students see a Disability Services Program Counselor before enrolling.) 4930.32

LRNRE 566
CAREER AWARENESS, DISABILITY AND SUCCESS
0 units, 3 hours lecture (P/NP or SP)
Open-entry/open-exit

Introduction of career and job awareness and readiness for students with a disability: Focus on career and job related interests, aptitudes, and personality characteristics; addresses impact of disability on job related tasks and how to work around or accommodate such issues; discussion on disability related community agencies, disability benefits versus employment salaries. 4930.32

NONCREDIT COURSES

LRNRE 561
BASIC ENGLISH FOR LIFE AND CAREER SUCCESS
0 units, 3 hours lecture (P/NP or SP)
Open-entry/open-exit

Introduction and practice in reading and writing skills for life/ career success: Vocabulary development; reading documents in community life and the work place; very basic writing for community, life and employment purposes; Internet and library use. (Recommended for students with disabilities. Recommended students see a Disability Services Program Counselor before enrolling.) 4930.32
Merritt College offers the following degree and certificate programs in Liberal Arts:

**LIBERAL ARTS: ARTS AND HUMANITIES**
- ASSOCIATE IN ARTS (AA) DEGREE

**LIBERAL ARTS: CROSS-CULTURAL STUDIES**
- ASSOCIATE IN ARTS (AA) DEGREE

**LIBERAL ARTS: CSU GE-BREATH**
- CERTIFICATE OF ACHIEVEMENT

**LIBERAL ARTS: IGETC**
- CERTIFICATE OF ACHIEVEMENT
LIBERAL ARTS: ARTS AND HUMANITIES
ASSOCIATE IN ARTS (AA) DEGREE

DESCRIPTION
The Associate in Arts Liberal Arts: Cross-Cultural Studies degree program is designed for students who wish a broad knowledge of liberal arts and sciences with an area of emphasis in Cross-Cultural Studies. This program is an ideal choice for students planning on transferring to the California State University or University of California as the student can satisfy their general education requirements, plus focus on transferable course work that relates to majors at CSU or UC. Please consult with a counselor for specific information regarding your intended major at the specific colleges/university of your choice.

These courses emphasize the perspective, concepts, theories and methodologies typically found in the vast variety of disciplines that comprise study in the Social and Behavioral Sciences with particular emphasis on an understanding of cross-cultural interactions between peoples of different cultures. Students will study about themselves and others as members of a larger society. Topics of discussion will stimulate critical thinking about ways people have acted in response to their and other societies and will allow students to evaluate how societies and social subgroups operate. Courses from Anthropology, Art, Child Development, Communication and English, Environmental Management, Ethnic Studies, Geography, Human Services, Music, Psychology, Spanish, and Sociology are acceptable. The AA degree in Liberal Arts: Cross-Cultural Studies will prepare students for majors at four-year institutions in the social sciences such as anthropology, sociology, or ethnic or cultural studies, among others.

The Liberal Arts: Cross-Cultural Studies Associate in Arts degree will be awarded upon satisfactory completion of the degree course requirements and the General Education requirements. Since the following degree courses appear on the General Education Course List, they may be used to meet both the degree and the General Education requirements, provided that the total is 37 or more units. A course may be used one time for the degree and one time only for the General Education requirements, even though the course may be listed in several category areas.

- Choose either CSUGE or IGETC for the General Education pattern related to your educational goal.
- Complete requirements in Computer Literacy and Ethnic Studies (see catalog for details).
- Complete 21 units from program requirements. (Note: These courses may also be counted toward a GE area; those with an (*) are listed in more than one area but may not be counted in more than one area.)
- All courses listed in the program requirements transfer to CSU. Many courses are also transferable to UC. Refer to www.ASSIST.org for transfer details or see a counselor for additional details.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Critically analyze social and political phenomena based on social constructs of race, ethnicity, gender, sexuality, and identity.
2. Articulate the values, experiences and contributions of historically marginalized populations.
3. Demonstrate cultural awareness, personal responsibility, and ethical behavior within a diverse society in their communication.
## PROGRAMME REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTHR 3</td>
<td>Introduction to Social and Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>COMM 6</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>and</strong></td>
<td></td>
</tr>
<tr>
<td>AFRAM 19</td>
<td>Racism in the United States</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>or</strong></td>
<td></td>
</tr>
<tr>
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<td>3</td>
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<tr>
<td></td>
<td><strong>or</strong></td>
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</tr>
<tr>
<td>M/LAT 6</td>
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<td><strong>or</strong></td>
<td></td>
</tr>
<tr>
<td>NATAM 19</td>
<td>Racism in the United States</td>
<td>3</td>
</tr>
</tbody>
</table>

**Major Elective Courses**

Select one course from each group listed below for a minimum of 12 units:

**Group A: Women and Gender**
- ANTHR 16: Sex and Society (3 units)
- COMM 10: Gender and Communication (3 units)
- PSYCH 12: Human Sexuality (3 units)
- SOC 3: Sociology of Women (3 units)

**Group B: Race and Ethnicity**
- AFRAM 13: Ethnic Perceptions in the Mass Media (3 units)
- AFRAM 16: The Prison Industrial Complex: African American Incarceration (3 units)
- AFRAM 38: Environmental Racism and Justice (3 units)
- ENVMT 12: Environmental Racism and Justice (3 units)
- ANTHR 5: American Indian History and Culture (3 units)
- COMM 20: Interpersonal Communication Skills (3 units)
- COSER 29: Working with Diverse Populations (3 units)
- ENVMT 27: Ethnoecology: Ethnic Environmental Studies (3 units)
- POSCI 5: American Politics and Minority Groups (3 units)
- SOC 2: Social Problems (3 units)
- SOC 5: Minority Groups (3 units)

CONTINUED
## PROGRAMS

### LIBERAL ARTS: ARTS AND HUMANITIES

#### ASSOCIATE IN ARTS (AA) DEGREE

<table>
<thead>
<tr>
<th>Group C: Regional and National Identities</th>
<th>Select one course for a minimum of 3 units from the following:</th>
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</thead>
<tbody>
<tr>
<td>AFRAM 5</td>
<td>The African American Family in the United States</td>
</tr>
<tr>
<td>AFRAM 12</td>
<td>Psychology of African-Americans</td>
</tr>
<tr>
<td>AFRAM 27</td>
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</tr>
<tr>
<td>AFRAM 30</td>
<td>African-American History: Africa to 1865</td>
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<tr>
<td>AFRAM 31</td>
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<tr>
<td>AFRAM 32</td>
<td>African-American History: 1945 to Present</td>
</tr>
<tr>
<td>ANTHR 13</td>
<td>Urban Anthropology</td>
</tr>
<tr>
<td>ASAME 32</td>
<td>Asian-American Psychology</td>
</tr>
<tr>
<td>ASAME 45A</td>
<td>Asian-American History to 1945</td>
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<td>ASAME 45B</td>
<td>Asian-American History from 1945 to the Present</td>
</tr>
<tr>
<td>GEOG 2</td>
<td>Cultural Geography</td>
</tr>
<tr>
<td>M/LAT 12</td>
<td>United States Relations with Mexico and Latin America</td>
</tr>
<tr>
<td>M/LAT 19</td>
<td>History of the Mexican-American</td>
</tr>
<tr>
<td>M/LAT 23</td>
<td>Introduction to Psychology of the Mexican-American</td>
</tr>
<tr>
<td>PSYCH 6</td>
<td>Social Psychology</td>
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<tr>
<th>Group D: Cultural Expressions</th>
<th>Select one course for 3 units from the following:</th>
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<tbody>
<tr>
<td>AFRAM 28</td>
<td>Survey of Third World through Films</td>
</tr>
<tr>
<td>M/LAT 28</td>
<td>Survey of Third World through Films</td>
</tr>
<tr>
<td>AFRAM 33</td>
<td>The Roots of African-American Culture</td>
</tr>
<tr>
<td>AFRAM 41</td>
<td>African-American Writers (Fiction)</td>
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<td>ANTHR 8</td>
<td>Anthropology through Film: Ethnographic Studies</td>
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<tr>
<td>ASAME 30</td>
<td>Asians and Asian-Americans Through Films</td>
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<tr>
<td>M/LAT 30A</td>
<td>Survey of Latin-American Films</td>
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<tr>
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<tr>
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<td>Introduction to World Music</td>
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<tr>
<td>MUSIC 15A</td>
<td>Jazz, Blues, and Popular Music in the American Culture</td>
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<th>Major Requirements</th>
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<tr>
<td>Total Units</td>
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</table>
PROGRAMS

LIBERAL ARTS: CROSS-CULTURAL STUDIES
ASSOCIATE IN ARTS (AA) DEGREE

DESCRIPTION
The Associate in Arts Liberal Arts: Cross-Cultural Studies degree program is designed for students who wish a broad knowledge of liberal arts and sciences with an area of emphasis in Cross-Cultural Studies. This program is an ideal choice for students planning on transferring to the California State University or University of work that relates to majors at CSU or UC. Please consult with a counselor for specific information regarding your intended major at the specific college/university of your choice.

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PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Critically analyze social and political phenomena based on social constructs of race, ethnicity, gender, sexuality, and identity.
2. Articulate the values, experiences and contributions of historically marginalized populations.
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### LIBERAL ARTS PROGRAMS

**LIBERAL ARTS: CROSS-CULTURAL STUDIES**

**ASSOCIATE IN ARTS (AA) DEGREE**

**PROGRAM REQUIREMENTS**

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<thead>
<tr>
<th>Subject #</th>
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<th>Units</th>
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<tr>
<td><strong>Major Elective Courses</strong></td>
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**Major Elective Courses**

Select one course from each group listed below for a minimum of 12 units:

**Group A: Women and Gender**

Select one course for 3 units from the following:

- ANTHR 16: Sex and Society
- COMM 10: Gender and Communication
- PSYCH 12: Human Sexuality
- SOC 3: Sociology of Women

**Group B: Race and Ethnicity**

Select one course for 3 units from the following:

- AFRAM 13: Ethnic Perceptions in the Mass Media
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- AFRAM 38: Environmental Racism and Justice
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**CONTINUED**
## Group C: Regional and National Identities

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## Group D: Cultural Expressions

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### Major Requirements

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<td>Major</td>
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**Total Units: 60**
LIBERAL ARTS PROGRAMS AND COURSES

LIBERAL ARTS: CSU GE-BREADTH CERTIFICATE OF ACHIEVEMENT

DESCRIPTION

If you plan to transfer to the California State University system (CSU) and want to complete and have certified the CSU General Education Breadth Requirements, you are encouraged to pursue a Liberal Arts: CSU GE-Breadth Certificate of Achievement. Consult with a counselor to develop your own program of study. You will select courses that fulfill the CSU General Education Breadth Requirements (completing at least 30 units with a “C” or better to include areas A-1, A-2, A-3 and B-3 and an overall GPA of 2.0), for a total of 39 transferable semester units. Upon completion of these requirements you will file both a “Petition for a Certificate of Achievement” form and a “Request for General Education or IGETC Certification” form with the Admissions and Records Office.

PROGRAM REQUIREMENTS

See the Transfer to Four-Year Colleges and Universities section of this catalog for information on CSU GE-Breadth requirements and certification.
LIBERAL ARTS: IGETC
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
You are encouraged to pursue a Certificate of Achievement in Liberal Arts: IGETC if you plan to transfer to either the University of California system or the California State University system and want to fulfill lower-division general education requirements by completing the Intersegmental General Education Transfer Curriculum (IGETC). Consult with a counselor to develop your own program of study. You will select courses that fulfill the IGETC requirements (with a grade of “C” or better in each course), to total 37 transferable semester units (with an overall GPA of 2.0).

Upon completion of these requirements you will file both a “Petition for a Certificate of Achievement” and a “Request for General Education or IGETC Certification” with the Admissions and Records Office.

PROGRAM REQUIREMENTS
See the Transfer to Four-Year Colleges and Universities section of this catalog for information on IGETC requirements and certification.
Library Information Studies enables students to become successful learners and researchers through information literacy. The information literate student recognizes the extent and nature of information needed for a given purpose and locates, evaluates, uses, and presents information.

**COURSES**

**LIBRARY INFORMATION STUDIES**

**LIS 85**
**INTRODUCTION TO INFORMATION RESOURCES**
2 units, 2 hours lecture (GR or P/NP)
Recommended preparation: ENGL 201A or ENGL 264A or appropriate placement through multiple-measures assessment process, and CIS 1 or CIS 200 or CIS 205 or BUS 219
Acceptable for credit: CSU, UC

Introduction to the basic concepts and tools used in information research: Emphasis on how to develop a research topic and find, locate, evaluate, and use information; search strategies for print and online resources including reference books, catalogs, indexes, specialized databases, and the Internet. 1699.00
AA/AS area 4c; CSU area E

**LIS 512**
**RESEARCH SKILLS II**
0 units, .115 hour lecture (P/NP or SP)
Prerequisite: LIS 511

Continuation of LIS 511: Identifying search terms, locating information sources, and evaluating information sources. 4930.14

**LIS 513**
**RESEARCH SKILLS III**
0 units, .115 hour lecture (P/NP or SP)
Prerequisites: LIS 511 and LIS 512

Continuation of LIS 512: Presenting research and data, citations, and academic integrity. 4930.14

**NONCREDIT COURSES**

**LIS 511**
**RESEARCH SKILLS I**
0 units, .115 hour lecture (P/NP or SP)

Introduction to research: Information literacy skills, research process, topic selection and development, and overview of appropriate information sources. 4930.14
The Mathematics Department offers lower-division college math courses needed for the Associate in Arts and Associate in Science degrees, vocational certificates, and transfers to four-year colleges. These courses are intended as the first two years of college math and designed to satisfy both the General Education requirements for graduation and the requirements for transfer. Mathematics is the language of the sciences and as such, these courses are needed as prerequisite to science courses and for student success in general.

In the modern world, there are many fields that need specialists in mathematics. Careers in mathematics include scientist, researcher, programmer and other specialists in information systems, mathematics teacher, actuaries and insurance specialist, and people who can combine mathematical knowledge with a scientific, technological, or business background.

**Merritt College offers the following degree programs in Mathematics:**

**MATHEMATICS**
- ASSOCIATE IN SCIENCE IN MATHEMATICS FOR TRANSFER (AS-T) DEGREE
- ASSOCIATE IN SCIENCE (AS) DEGREE
MATHEMATICS
ASSOCIATE IN SCIENCE IN MATHEMATICS
FOR TRANSFER (AS-T) DEGREE

DESCRIPTION
The Associate in Science in Mathematics for Transfer Degree (AS-T) is designed for students planning to transfer into the mathematics major. Successful completion of the program with a minimum G.P.A. of 2.0 affords students specific guarantees for transfer to the CSU system such as admission to a CSU with junior status, priority admission to a CSU campus with a similar major and to a program or major in mathematics or similar major. Students interested in the AS-T for transfer degree in mathematics should consult with the departmental faculty chair. The AS-T degree will be awarded upon completion of the major course requirements listed below and the General Education requirements for the Associate in Science Degree listed in the Degrees, Programs & Transfer Requirements section of this Catalog. Complete the Degree Major Requirements and/or courses from Groups A and B below to complete preparation for the major. Also complete 37-39 General Education units from either the California State University General Education-Breadth Requirements (CSU-GE) or the Intersegmental General Education Transfer Curriculum (IGETC) and electives to total 60 units for the degree.

CAREER OPPORTUNITIES:
Careers in mathematics include: scientists, researchers, programmers and other specialists in information systems, mathematics teachers, actuaries and insurance specialists, and people who can combine mathematical knowledge with a scientific, technological, or business background.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Express mathematical concepts and techniques clearly and concisely using symbolic and ordinary language.
2. Use quantitative reasoning to solve a variety of mathematical problems in the workplace and in the home.
3. Demonstrate mastery of the various mathematical concepts and techniques needed to succeed in subsequent courses of increasing complexity.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Core Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 3A</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 3B</td>
<td>Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 3C</td>
<td>Calculus III</td>
<td>5</td>
</tr>
<tr>
<td>Group A:</td>
<td>Select one course from Group A (if you choose Math 3E and Math 3F, then Group B is optional):</td>
<td></td>
</tr>
<tr>
<td>MATH 3E</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>MATH 3F</td>
<td>3</td>
</tr>
<tr>
<td>Group B:</td>
<td>Select one course from Group B to complete 21-23 units for the major:</td>
<td></td>
</tr>
<tr>
<td>MATH 13</td>
<td>Statistics</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td>PHYS 4A</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>General Physics with Calculus</td>
<td></td>
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<tr>
<td></td>
<td>Total Major Units</td>
<td>21-23</td>
</tr>
<tr>
<td></td>
<td>Total Units that may be double counted</td>
<td>3-7</td>
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<tr>
<td></td>
<td>General Education (CSU GE or IGETC) Units</td>
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<tr>
<td></td>
<td>Elective (CSU Transferable Units)</td>
<td>1-9</td>
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<tr>
<td></td>
<td>Total Degree Units (maximum)</td>
<td>60</td>
</tr>
</tbody>
</table>
PROGRAMS

MATHMATICS

ASSOCIATE IN SCIENCE (AS) DEGREE

DESCRIPTION
The Associate in Science degree in Mathematics will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Express mathematical concepts and techniques clearly and concisely using symbolic and ordinary language.
2. Use quantitative reasoning to solve a variety of mathematical problems in the workplace and in the home.
3. Demonstrate mastery of the various mathematical concepts and techniques needed to succeed in subsequent courses of increasing complexity.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1</td>
<td>Pre-Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 3A</td>
<td>Calculus I</td>
<td>5</td>
</tr>
</tbody>
</table>

Select at least one course for 4-5 units from the following:

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2</td>
<td>Pre-Calculus with Analytic Geometry</td>
<td>5</td>
</tr>
<tr>
<td>MATH 3B</td>
<td>Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 3C</td>
<td>Calculus III</td>
<td>5</td>
</tr>
<tr>
<td>MATH 3D</td>
<td>Linear Algebra and Differential Equations</td>
<td>5</td>
</tr>
<tr>
<td>MATH 13</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MATH 15</td>
<td>Mathematics for Liberal Arts Students</td>
<td>3</td>
</tr>
<tr>
<td>MATH 16A</td>
<td>Calculus for Business and Life/Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>MATH 16B</td>
<td>Calculus for Business and Life/Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>MATH 50</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH 202</td>
<td>Geometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH 203</td>
<td>Intermediate Algebra</td>
<td>4</td>
</tr>
</tbody>
</table>

Major Requirements 17-19

Total Units 60

Note: To qualify for the Mathematics Associate in Science degree, students must satisfactorily complete the major requirements specified above and the local AA/AS general education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS general education requirements.
MATHEMATICS (MATH) PROGRAMS AND COURSES

COURSES

MATHEMATICS

MATH 1
PRE-CALCULUS
4 units, 4 hours lecture (GR)
Prerequisite: MATH 203, MATH 211D, or MATH 230
Acceptable for credit: CSU, UC

Preparation for the calculus sequence or other courses requiring a sound algebraic background: Inequalities, theory of equations, sequences and series, matrices, functions and relations, logarithmic and exponential functions; function concept used as a unifying notion. 1701.00
AA/AS area 4b; CSU area B4; IGETC area 2A

MATH 2
PRE-CALCULUS WITH ANALYTIC GEOMETRY
5 units, 5 hours lecture (GR)
Prerequisite: MATH 50
Acceptable for credit: CSU, UC

Advanced algebra and analytic geometry: Linear, quadratic, polynomial, rational, exponential, logarithmic, and inverse functions; determinants, matrices and linear systems; zeros of polynomials, arithmetic and geometric sequences, mathematical induction; permutations and combinations, binomial theorem; vectors, conic sections, translation and rotation of axes, polar coordinates, lines and surfaces in space, and quadric surfaces. 1701.00
AA/AS area 4b; CSU area B4; IGETC area 2A

MATH 3A
CALCULUS I
5 units, 5 hours lecture (GR)
Prerequisite: MATH 2, or MATH 1 and MATH 50
Acceptable for credit: CSU, UC

Theorems on limits and continuous functions, derivatives, differentials and applications: Fundamental theorems of calculus and applications; properties of exponential, logarithmic, and inverse trigonometric functions, and hyperbolic functions. 1701.00
AA/AS area 4b; CSU area B4; IGETC area 2A
C-ID: MATH 210

MATH 3B
CALCULUS II
5 units, 5 hours lecture (GR)
Prerequisite: MATH 3A
Acceptable for credit: CSU, UC

Applications of the definite integral: Methods of integration, polar coordinates, parametric equations, infinite and power series. 1701.00
AA/AS area 4b; CSU area B4; IGETC area 2A
C-ID: MATH 220

MATH 3C
CALCULUS III
5 units, 5 hours lecture (GR)
Prerequisite: MATH 3B
Acceptable for credit: CSU, UC

Partial differentiation: Jacobians, transformations, multiple integrals, theorems of Green and Stokes, differential forms, vectors and vector functions, geometric coordinates, and vector calculus. 1701.00
AA/AS area 4b; CSU area B4; IGETC area 2A
C-ID: MATH 230

MATH 3E
LINEAR ALGEBRA
3 units, 3 hours lecture (GR)
Prerequisite: MATH 3A
MATH 3E and MATH 3F are equivalent to MATH 3D. Not open for credit for students who have completed or are currently enrolled in MATH 3D.
Acceptable for credit: CSU, UC

Linear Algebra: Gaussian and Gauss-Jordan elimination, matrices, determinants, vectors in R2 and R3, real and complex vector spaces, inner product spaces, linear transformations, eigenvalues, eigenvectors, and applications. 1701.00
AA/AS area 4b; CSU area B4; IGETC area 2A
C-ID: MATH 250

MATH 3F
DIFFERENTIAL EQUATIONS
3 units, 3 hours lecture (GR)
Prerequisite: MATH 3B and MATH 3E
Recommended preparation: MATH 3C
MATH 3E and MATH 3F are equivalent to MATH 3D. Not open for credit for students who have completed or are currently enrolled in MATH 3D.
Acceptable for credit: CSU, UC

Ordinary differential equations: First-order, second-order, and higher-order equations; separable and exact equations, series solutions, Laplace transformations, systems of differential equations. 1701.00
AA/AS area 4b; CSU area B4; IGETC area 2A
C-ID: MATH 240

MATH 13
INTRODUCTION TO STATISTICS
4 units, 4 hours lecture (GR)
Prerequisites: MATH 203, MATH 206, MATH 211D, MATH 230, or MATH 240
Acceptable for credit: CSU, UC

Introduction to theory and practice of statistics: Collecting data: Sampling, observational and experimental studies. Organizing data: Univariate and bivariate tables and graphs, histograms. Describing data: Measures of location, spread, and correlation. Theory: Probability, random variables, binomial and normal distributions. Drawing conclusions from data: Confidence intervals, hypothesis testing, z-tests, t-tests, and chi-square tests; one-way analysis of variances. Regression and non-parametric methods. 1701.00
AA/AS area 4b; CSU area B4; IGETC area 2A
C-ID: MATH 110
MATH 15
MATHEMATICS FOR LIBERAL ARTS STUDENTS
3 units, 3 hours lecture (GR)
Prerequisite: MATH 203, MATH 211D, MATH 230, or MATH 240
Acceptable for credit: CSU, UC

Fundamental ideas underlying modern mathematics: Elements from logic, sets, and number systems; concepts of elementary algebra, geometry, topology, and combinatorics. 1701.00
AA/AS area 4b; CSU area B4

MATH 16A
CALCULUS FOR BUSINESS AND LIFE/SOCIAL SCIENCES
3 units, 3 hours lecture (GR)
Prerequisite: MATH 1 or MATH 2
Acceptable for credit: CSU, UC

Introduction to analytic geometry and differential and integral calculus of algebraic functions with particular attention paid to simple applications. 1701.00
AA/AS area 4b; CSU area B4; IGETC area 2A
C-ID: MATH 140

MATH 16B
CALCULUS FOR BUSINESS AND LIFE/SOCIAL SCIENCES
3 units, 3 hours lecture (GR)
Prerequisite: MATH 16A or MATH 3A
Acceptable for credit: CSU, UC

Continuation of differential and integral calculus: Transcendental functions, methods of integration, partial differentiation, and multiple integration with particular attention to applications. 1701.00
AA/AS area 4b; CSU area B4; IGETC area 2A

MATH 49
INDEPENDENT STUDY IN MATHEMATICS
.5-5 units (GR)
Acceptable for credit: CSU

See section on Independent Study. 1701.00

MATH 50
TRIGONOMETRY
3 units, 3 hours lecture (GR)
Prerequisite: MATH 203, MATH 211D, or MATH 230
Recommended preparation: MATH 202
Acceptable for credit: CSU

Introduction to functional trigonometry: Basic definitions, identities, graphs, inverse functions, trigonometric equations and applications, solution of triangles and applications, polar coordinates, complex numbers, and De Moivre's Theorem. 1701.00
AA/AS area 4b; CSU area B4

MATH 113
MATH WORKSHOP FOR STATISTICS
1 unit, 1 hour lecture (P/NC)
Prerequisite: MATH 203 or MATH 211D
Recommended preparation: MATH 13 (recommended to be taken concurrently)
Acceptable for credit: CSU

Reinforcement of problem-solving skills in statistics: Workshop in solving routine problems dealing with theory and practice of statistics; Collection of data: sampling, observational and experimental studies; Organizing data: univariate and bivariate to table and graphs, histograms; Describing data: measures of location, spread and correlation; Theory: probability, random variables, binomial and normal distribution; Drawing conclusions from data: confidence intervals, hypothesis testing, z-tests, t-tests and chi-square tests, one-way analysis of variances; and regression and non-parametric methods. 1701.00

MATH 201
ELEMENTARY ALGEBRA
4 units, 5 hours lecture (GR)
Prerequisite: MATH 225, MATH 250, MATH 253, or appropriate placement through multiple-measures assessment process.
Not open for credit to students who have completed or are currently enrolled in MATH 210A/B/C/D.

Basic algebraic operations: Linear equations and inequalities, relations and functions, factoring quadratic polynomials, solving quadratic equations, fractions, radicals and exponents, word problems, graphing, and number systems. 1701.00

MATH 202
GEOMETRY
3 units, 3 hours lecture (GR)
Prerequisite: MATH 201, MATH 210D, or appropriate placement through multiple-measures assessment process.

Introduction to plane geometry emphasizing mathematical logic and proofs: Geometric constructions, congruent triangles, parallel lines and parallelograms, proportions, similar triangles, circles, polygons, and area. 1701.00
AA/AS area 4b

MATH 203
INTERMEDIATE ALGEBRA
4 units, 5 hours lecture (GR)
Prerequisite: MATH 201, MATH 210D, or appropriate placement through multiple-measures assessment process.

Eligible for credit by examination.

Intermediate algebraic operations: Real number properties and operations; solutions and graphs of linear equations in one and two variables; absolute value equations; advanced factoring; complex numbers; quadratic equations and systems of quadratic equations; conics; determinants; solutions and graphs of first-degree, quadratic, and rational inequalities; exponential and logarithmic functions; and sequences and series. 1701.00
AA/AS area 4b
MATH 213
SUPPORT FOR STATISTICS
2 units, 2 hours lecture (P/NP)
Corequisite: MATH 13
Intended for students who are concurrently enrolled in MATH 13.

Competencies and concepts needed in statistics: Arithmetic, pre-algebra, elementary and intermediate algebra, and descriptive statistics; descriptive data analysis, solving and graphing linear equations, and modeling with linear functions. 1701.00

MATH 215
SUPPORT FOR PRE-CALCULUS
2 units, 2 hours lecture (P/NP)
Corequisite: MATH 1
Intended for students majoring in business, science, technology, engineering, and mathematics and concurrently enrolled in MATH 1.

This course is appropriate for students who are confident in their graphing and beginning algebra skills.

Review of the core prerequisite skills, competencies, and concepts needed in pre-calculus: Factoring, operations on rational and radical expressions, absolute value equations and inequalities, exponential and logarithmic expressions and equations, conic sections, functions including composition and inverses, an in-depth focus on quadratic functions, and a review of topics from geometry. 1701.00

MATH 216
SUPPORT FOR TRIGONOMETRY
1 unit, 1 hour lecture (P/NP)
Corequisite: MATH 50
Intended for students majoring in science, technology, engineering, and mathematics and who are concurrently enrolled in MATH 50, Trigonometry.

This course is appropriate for students who are confident in their graphing and beginning algebra skills.

Review of the core prerequisite skills, competencies, and concepts needed in trigonometry: Geometry, transformations of graphs, trigonometric functions and applications, conic sections, polar coordinates including the complex plane and analytic geometry. 1701.00

MATH 230
ELEMENTARY AND INTERMEDIATE ALGEBRA FOR BUSINESS OR STEM MAJORS
6 units, 6 hours lecture, 12 hours laboratory (GR)
Prerequisite: MATH 250 or MATH 253
Acceptable for Credit: CSU

Combined course in algebra: Systems of equations: inequalities, graphs and functions; radicals, quadratic polynomials, rational expressions; exponential and logarithmic functions, and problem solving, with emphasis on knowledge skills appropriate for students pursuing a major in STEM (Science, Technology, Engineering, Mathematics) or Business. 1701.00

MATH 240
ELEMENTARY AND INTERMEDIATE ALGEBRA FOR LIBERAL ARTS AND SOCIAL SCIENCE
6 units, 6 hours lecture (GR)
Prerequisite: MATH 225, MATH 250, or MATH 253

Topics from Elementary and Intermediate Algebra: Systems of equations, inequalities, graphs and functions, radicals, quadratic polynomials, rational expressions, exponential and logarithmic functions, and problem solving for liberal arts and social science majors. 1701.00

MATH 250
ARITHMETIC
3 units, 3 hours lecture (GR)
Not open for credit to students who have completed or are concurrently enrolled in MATH 251A/B/C/D.

Refresher course in the fundamental processes of arithmetic: Whole numbers, fractions, decimals and percents; metric system introduced and incorporated throughout the arithmetic material. 4930.41

MATH 253
PRE-ALGEBRA
3 units, 3 hours lecture (GR)
Recommended preparation: MATH 250 or appropriate placement through multiple-measures assessment process.

Fundamentals of pre-algebra: Properties of real numbers, factoring and multiples, ratio and proportion, signed numbers, linear equations and formulas, powers and roots, percents and averages, and English and metric measurements. 4930.41

MATH 261
PRE-ALGEBRA FOUNDATIONS
5 units, 5 hours lecture (P/NP)
Not open for credit to students who have completed or are currently enrolled in MATH 253.

Topics from Arithmetic and Pre-Algebra: Use of basic arithmetic in application problems, estimation, the real number system, variables and linear equations, percents, proportions and unit conversion. 1702.00

MATH 270
MATH WORKSHOP FOR ARITHMETIC
1 unit, 1 hour lecture (P/NP)
Recommended preparation: MATH 250 (recommended to be taken concurrently)

Reinforcement of problem-solving skills in arithmetic: Workshop in solving routine problems dealing with whole numbers and arithmetic operations, fractions, decimals, ratios, proportions, percents, measurements and scales, interpretations of notation, and simple equations and formulas. 4930.41
MATH 271
MATH WORKSHOP FOR PRE-ALGEBRA
1 unit, 1 hour lecture (P/NP)
Recommended preparation: MATH 250, MATH 251D or appropriate placement through multiple-measures assessment process; and MATH 253 (recommended to be taken concurrently)

Reinforcement of problem-solving skills in pre-algebra: Workshop in solving routine problems dealing with real numbers, factoring and multiples, ratio and proportion, signed numbers, linear equations and formulas, powers and roots, percents and averages, and English and metric measurements. 4930.41

MATH 272
MATH WORKSHOP FOR ELEMENTARY ALGEBRA
1 unit, 1 hour lecture (P/NP)
Prerequisite: MATH 250 or MATH 251D or MATH 225 or MATH 253 or appropriate placement through multiple-measures assessment process.
Recommended preparation: MATH 201 (recommended to be taken concurrently)

Reinforcement of problem-solving skills in elementary algebra: Workshop in solving routine problems dealing with basic algebraic operations, linear equations and inequalities, relations and functions, factoring quadratic polynomials, solving quadratic equations, fractions, radicals and exponents, word problems, and graphic and number systems. 1701.00

MATH 273
MATH WORKSHOP FOR INTERMEDIATE ALGEBRA
1 unit, 1 hour lecture (P/NP)
Prerequisite: MATH 201 or MATH 210D or appropriate placement through multiple-measures assessment process.
Recommended preparation: MATH 202; and MATH 203 (recommended to be taken concurrently)

Reinforcement of problem-solving skills in intermediate algebra: Workshop in solving routine problems dealing with real number properties and operations, solutions and graphs of linear equations in one and two variables; absolute value equations, advanced factoring, complex numbers, quadratic equations and systems of quadratic equations, conic sections, determinants; solutions and graphs of first-degree, quadratic and rational inequalities; exponential and logarithmic functions, and sequences and series. 1701.00
The Medical Assisting Program is committed to the provision of educational training that enables students to attain knowledge and develop competent, safe skills for entry-level positions in the medical field in any ambulatory care setting serving a culturally diverse community. The program provides a balanced clinical and administrative curriculum delivered through comprehensive lectures, laboratory courses, and clinical experiences in local community health care facilities.

Medical assistants typically work in physician’s offices, hospitals or residential care facilities. They perform a variety of clinical and administrative tasks including administering medications, recording medical information, preparing medical instruments, collecting specimens, and running the front desk. The Clinical Medical Assisting certificate focuses on “back office” medical assisting duties. The Administrative Medical Assisting certificate focuses on “front office” medical assisting duties.

Merritt College offers the following certificate programs in Medical Assisting:

**CLINICAL MEDICAL ASSISTING**
- CERTIFICATE OF PROFICIENCY

**ADMINISTRATIVE MEDICAL ASSISTING**
- CERTIFICATE OF PROFICIENCY
PROGRAMS

CLINICAL MEDICAL ASSISTING
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Clinical Medical Assisting certificate program is step one and the Certificate of Proficiency in Administrative Medical Assisting is step two of a program which will prepare students to achieve articulation to Cal State Universities in this field.

CAREER OPPORTUNITIES
Career opportunities include clinical medical assistant, clinic care associate, medical support assistant and patient care technician. The certificate of proficiency in Clinical Medical Assisting prepares students to perform "back office" duties including patient intake, vital signs and height/weight measurements, and medical records documentation.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Clearly communicate through writing, speaking, listening, and reading in the Medical Assistant Program
2. Reasoning Skills- Acquire, evaluate and interpret information during in the Medical Assistant Program. As a result, student will be able to solve problems relevant to the Medical Assistant Job Duties as outlined by community employers.
3. Professional Behavior- Demonstrate appropriate professional behavior such as timeliness and interpersonal skills such as teamwork and cultural diversity during the medical assistant program.
4. Technical Skills- Demonstrate technical skills appropriate to the medical assistant program with introduction to electronic health record charting and weekly online instruction.
5. Achievement: work-related- Achieve goals relative to CTE such as employment, work advancement, skill attainment as a competent medical assistant

PROGRAM REQUIREMENTS
1. Completed admission application.
2. Graduation from accredited high school/equivalent with a 2.0 grade point average.
3. Eligibility for English 201A & Math 253 or higher.
4. After acceptance into the program, submit a completed health form evidencing physical health including required immunizations/ chest x-ray.
5. Criminal background check.
6. Current CPR/BLS (Basic Life Support) card, which must be maintained while in the program.

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Core Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDAS 201A</td>
<td>Introduction to Medical Assisting</td>
<td>5</td>
</tr>
<tr>
<td>MEDAS 201B</td>
<td>Medical Assisting: Clinical Application</td>
<td>7</td>
</tr>
<tr>
<td>COPED 470F</td>
<td>Occupational Work Experience in Medical Assisting</td>
<td>2</td>
</tr>
<tr>
<td>COUN 207C</td>
<td>Career Exploration</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Units 15
ADMINISTRATIVE MEDICAL ASSISTING
CERTIFICATE OF PROFICIENCY

DESCRIPTION
The Administrative Medical Assisting certificate program prepares students to perform “front office” duties including medical records documentation, patient intake, electronic medical records management, patient reception, scheduling appointments, medical insurance, billing and coding and collections.

CAREER OPPORTUNITIES
Career opportunities include medical administrative assistant, front office management, receptionist, administrative support, patient service representative, medical biller and medical coder.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Demonstrate technical skills appropriate to the medical assistant program with introduction to electronic health record charting and weekly online instruction.
2. Clearly communicate through writing, speaking, listening, and reading in the Medical Assistant Program.
3. Demonstrate appropriate professional behavior such as timeliness and interpersonal skills such as teamwork and cultural diversity during the medical assistant program.

PROGRAM REQUIREMENTS
1. Completed admission application.
2. Graduation from accredited high school/equivalent with a 2.0 grade point average.
3. Eligibility for English 201A & Math 253 or higher.
4. After acceptance into the program, submit a completed health form evidencing physical health including required immunizations/chest x-ray.
5. Criminal background check.
6. Current CPR/BLS (Basic Life Support) card, which must be maintained while in the program.

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDAS 201D</td>
<td>Medical Assisting: Office Administration</td>
<td>4</td>
</tr>
<tr>
<td>BUS 5</td>
<td>Human Relations in Business</td>
<td>3</td>
</tr>
<tr>
<td>CIS 1</td>
<td>Introduction to Computer Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>COMM 20</td>
<td>Interpersonal Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>HLTOC 201</td>
<td>Medical Terminology I</td>
<td>2</td>
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<tr>
<td></td>
<td><strong>Total Units</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>
MEDICAL ASSISTING

MEDAS 201A
INTRODUCTION TO MEDICAL ASSISTING
5 units, 5 hours lecture (GR)
Prerequisite: High School graduate or GRE
Recommended preparation: HLTOC 201, ENGL 201B or 1A, and MATH 250

Introduction to theory and foundational skills in medical assisting: Role of the medical assistant, medical terminology, safety, anatomy and physiology, screening, medical office emergencies, and patient education and communication. 1208.10

MEDAS 201B
MEDICAL ASSISTING: CLINICAL APPLICATION
7 units, 4 hours lecture, 9 hours laboratory (GR)
Prerequisite: Health clearances: Physical examination, negative TB test results, and recent immunizations for diphtheria, tetanus, rubeola, rubella, mumps, and chicken pox; and pass a criminal background check and drug testing for clinical placement if required by clinical agencies; and CPR/BLS or HLTED 11
Prerequisite or corequisite: MEDAS 201A
Recommended preparation: HLTOC 201, ENGL 201B or 1A, and MATH 250

Continuation of MEDAS 201A designed to provide preparation for entry-level positions in medical assisting: Theory and laboratory instruction in assisting the physician/ practitioner in exam-room procedures, laboratory procedures, pharmacology, providing medications, minor office surgery, and nutrition. 1208.10

MEDAS 201C
MEDICAL ASSISTING: OFFICE ADMINISTRATION
5 units, 5 hours lecture (GR)
Prerequisite: MEDAS 201A or proof of satisfactory completion of a medical assisting training program, or current or past employment as a medical assistant

Introduction to medical office administration: Medical office reception, finances, medical informatics, insurance billing, and office management. 1208.10

MEDAS 201D
MEDICAL ASSISTING: OFFICE ADMINISTRATION
4 units, 3 hours lecture, 3 hours laboratory (GR)
Prerequisite: MEDAS 201A or proof of satisfactory completion of a medical assisting training program, or current or past employment as a medical assistant

Introduction to medical office procedures: Receiving, registering and scheduling appointments, organizing and sustaining medical records, medical billing and coding, electronic medical records, business operations, and financial management. 1208.10

MEDAS 202
REVIEW FOR CERTIFICATION FOR MEDICAL ASSISTANTS
4 units, 4 hours lecture (P/NP)

Review of the content necessary for certification as a clinical and/or administrative medical assistant in California. 1208.10
Mexican and Latin-American Studies courses in the Department of Ethnic Studies offer opportunities for students to deepen understanding of the multicultural and multi-racial history and character of the American experience, generally, and the varied racial and ethnic experiences, specifically. The aim of the department is to locate the experiences of people of color in a larger global context through the examination of identity, culture, sociology, history, and economic relations between nations. Students study the history and current experience of the Latin American people in the United States, the Caribbean and Central and South America. As new processes of migration evolve due to global economic politics, Mexican and Latin-American Studies courses explore topics such as borderlands, scarcity and migration, globalization and democracy and the increasing “ethnicization” of central economies.

**MEXICAN AND LATIN AMERICAN STUDIES**

**M/LAT 6**  
**RACISM IN THE UNITED STATES**  
3 units, 3 hours lecture (GR or P/NP)  
Also offered as AFRAM 19, ASAME 19, and NATAM 19.  
Not open for credit to students who have completed or are currently enrolled in AFRAM 19, ASAME 19, or NATAM 19.  
Acceptable for credit: CSU, UC

Exploration of the development of modern racism in the United States: Economic, socio-cultural, and psychological implications; and resistances to its effects from African-American, Asian-American, Mexican and Latin-American and Native American perspectives. 2203.04  
AA/AS area 2, 5; CSU area D; IGETC area 4C

**M/LAT 12**  
**UNITED STATES RELATIONS WITH MEXICO AND LATIN AMERICA**  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU, UC

Analysis of United States relations with Mexico and Latin America from colonial times to the present: U.S. involvement as it relates to the economic, cultural, and political situations of Mexico and Latin America through the years. 2203.04  
AA/AS area 2, 5; CSU area D; IGETC area 4G

**M/LAT 17B**  
**RACE, CLASS, GENDER, SEXUALITY, MIGRATION AND HIP-HOP**  
3 units, 3 hours lecture (GR)  
Acceptable for credit: CSU

Survey of the historical growth, political implication, communal influence, and healing globally: Socio-economic, cultural and political history of people of color through Hip-Hop and its platform of resistance; and narrative growth in African-American, Asian-American, Mexican and Latin-American and Native American perspectives. 2203.00

**M/LAT 19**  
**HISTORY OF THE MEXICAN-AMERICAN**  
3 units, 3 hours lecture (GR or P/NP)  
Also offered as HIST 17. Not open for credit to students who have completed or are currently enrolled in HIST 17.  
Acceptable for credit: CSU, UC

History of the people of Mexican descent from colonial times to the present: Contemporary status and problems of Mexican-Americans in the United States. 2203.04  
AA/AS area 2, 5; CSU area D; IGETC area 4C, 4F

**M/LAT 23**  
**INTRODUCTION TO PSYCHOLOGY OF THE MEXICAN-AMERICAN**  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU, UC

Principles of psychology as they relate to the Mexican-American community: Selected social problems such as prejudice, racial conflict, and deviancy in the Mexican-American community from a Mexican-American perspective. 2203.04  
AA/AS area 2, 5; CSU area D; IGETC area 4C, 4I

**M/LAT 28**  
**SURVEY OF THIRD WORLD THROUGH FILMS**  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU, UC

Survey of third-world people through films: Emphasis on themes related to African, Mexican/Latino, Asian, and Native American experiences in the U.S. and elsewhere; films viewed as to their content, artistic quality, and relevance for people of color in the modern world. 2203.04  
AA/AS area 3, 5; CSU area C2, D; IGETC area 3B

**M/LAT 30A**  
**SURVEY OF LATIN-AMERICAN FILMS**  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU, UC

Critical examination of historical and contemporary film images of Latinos/Americanos as a result of cultural encounters within the United States: Traditional and emerging objectives of film makers and producers; and common themes and cultural elements in films by and about Latinos in the United States. 2203.04  
AA/AS area 3, 5; CSU area C2; IGETC area 3B
M/LAT 30B
SURVEY OF LATIN-AMERICAN FILMS
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Critical examination of cinema from throughout Latin America and Spain that relate to Latino cultural experiences: Emphasis on those films that educate viewers about Latino encounters with majority and minority cultures within Latin America. 2203.04
AA/AS area 3; CSU area C2; IGETC area 3B

M/LAT 32
AFRICAN HERITAGE OF LATIN AMERICA
3 units, 3 hours lecture (GR or P/NP)
Also offered as AFRAM 18. Not open to students who have completed or are currently enrolled in AFRAM 18.
Acceptable for credit: CSU, UC
Survey of the influence of African people throughout Latin America: Culture; music, language, religion and dance; examination of slavery, colonialism, resistance and independence movements in the region. 2203.04
AA/AS area 2, 3; CSU area C2, D; IGETC area 3B, 4F

M/LAT 49
INDEPENDENT STUDY IN MEXICAN/LATIN-AMERICAN STUDIES
.5-5 units (GR or P/NP)
Acceptable for credit: CSU
See section on Independent Study. 2203.04
The primary function of the Music Department is to ensure students receive a comprehensive education that integrates general humanities and performing arts courses commensurate with requirements for the Associate in Arts degree and transfer to CSU, UC and 4-year institutions. Courses can also be taken to meet general education requirements, or to begin a career. The Department offers a variety of music courses including Western music history, African-American music, topics in jazz, blues, the history of American vernacular music and piano for all levels of learning.

Careers in music may include professional performance, conducting, arts management, composing, academic research, and public and private teaching.

## COURSES

### MUSIC

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
<th>Lecture Time</th>
<th>Acceptable for credit:</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSIC 9</td>
<td>WORLD MUSIC</td>
<td>3</td>
<td>3</td>
<td>CSU, UC</td>
<td>Understanding and appreciation of world music through informed listening, analysis and discernment of musical elements, form and repertoire: Covers a rich diversity of styles (popular, folk, classical), periods and cultures. 1004.00</td>
</tr>
<tr>
<td>MUSIC 10</td>
<td>MUSIC APPRECIATION</td>
<td>3</td>
<td>3</td>
<td>CSU, UC</td>
<td>Survey designed to enhance the enjoyment of music with emphasis on listening: Historical overview of the development of musical form through the centuries. 1004.00</td>
</tr>
<tr>
<td>MUSIC 11</td>
<td>AFRICAN AMERICAN MUSIC</td>
<td>3</td>
<td>3</td>
<td>CSU, UC</td>
<td>Historical survey from the African heritage and Colonial time to the present: Types, forms, and styles of African-American music in relation to the African-American experience. 1004.00</td>
</tr>
<tr>
<td>MUSIC 15A</td>
<td>JAZZ, BLUES AND POPULAR MUSIC IN THE AMERICAN CULTURE</td>
<td>3</td>
<td>3</td>
<td>CSU, UC</td>
<td>Historical and critical analysis of unique American music: Focus on environments from which its many forms have emerged and its role in social history; development of blues, folk, jazz, rock and other popular music forms in the twentieth century. 1004.00</td>
</tr>
<tr>
<td>MUSIC 15B</td>
<td>JAZZ, BLUES, AND POPULAR MUSIC IN THE AMERICAN CULTURE</td>
<td>3</td>
<td>3</td>
<td>CSU, UC</td>
<td>Contemporary music scene with in-depth investigation of trends in artistic expression: Music as a revolutionary force; role of the music industry (records, radio, publications); analysis of performances and interviews. 1004.00</td>
</tr>
<tr>
<td>MUSIC 19</td>
<td>MUSIC OF AMERICA’S MUSICAL THEATER</td>
<td>3</td>
<td>3</td>
<td>CSU, UC</td>
<td>Historical and cultural development and major contributors of America’s musical theater: History of the integration of popular music, dance, and drama in America’s musical theater from its roots in European opera and merger with the American vaudeville stage, through its Golden Age (1920’s) to the latest offerings of the twenty-first century; and an examination of the social themes that inform, entertain, and challenge audiences. 1004.00</td>
</tr>
<tr>
<td>MUSIC 24</td>
<td>JAZZ HISTORY</td>
<td>3</td>
<td>3</td>
<td>CSU, UC</td>
<td>Evolutionary development of jazz music and the artists responsible for its creation: Historical, cultural, and sociological analysis of each style period through extensive guided listening. 1004.00</td>
</tr>
<tr>
<td>MUSIC 30</td>
<td>COLLEGE ORCHESTRA</td>
<td>2</td>
<td>1</td>
<td>CSU, UC</td>
<td>Study and performance of orchestral music: Selections from standard works of the classics and modern schools leading to public performance. 1004.00</td>
</tr>
<tr>
<td>MUSIC 49</td>
<td>INDEPENDENT STUDY IN MUSIC</td>
<td>.5-5</td>
<td></td>
<td>CSU</td>
<td>See section on Independent Study. 1004.00</td>
</tr>
</tbody>
</table>
MUSIC 100
MUSIC FUNDAMENTALS AND CULTURE
3 units, 3 hours lecture (GR or P/NP)
Acceptable for Credit: CSU, UC

Introduction to the notation and primary elements of tonal music of music from history and global culture: Example from music literature will demonstrate staff notation in treble and bass clefs, rhythm and meter; basic properties of sound; intervals; diatonic scales and triads; and diatonic chords. Development of skills in handwritten notation is expected. History and social context of the above concepts will be discussed. 1004.00
C-ID: MUS 110

MUSIC 130
ELEMENTARY PIANO METHOD I
1 unit, 1 hour lecture, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC

Individualized study of level I beginning piano techniques and theory: Five-finger technique in C Major and D Minor, elementary rhythm, legato, staccato, coordination of both hands, beginning theory related to keyboard music, progressive development of skills needed for solo performance. Performance evaluation by music faculty. 1004.00

MUSIC 131
ELEMENTARY PIANO METHOD II
1 unit, 1 hour lecture, 2 hours laboratory (GR or P/NP)
Recommended preparation: MUSIC 130
Acceptable for credit: CSU, UC

Individualized study of level II beginning piano techniques and theory: Five-finger technique in G Major, F Major and E Minor extending to a sixth, finger crossing and chord playing, use of damper pedal, meters with half note and eighth note beats, beginning theory related to level II keyboard music, progressive development of skills needed for solo performance. Performance evaluation by music faculty. 1004.00

MUSIC 132
ELEMENTARY PIANO METHOD III
1 unit, 1 hour lecture, 2 hours laboratory (GR or P/NP)
Recommended preparation: MUSIC 131
Acceptable for credit: CSU, UC

Individualized study of level III beginning piano techniques and theory: Scale playing and performance in C, G, F and D Major, level III finger technique including intervals of the seventh and octave, techniques for changing positions, recognition and performance of primary triads and seventh chords, progressive development of skills needed for solo performance. Performance evaluation by music faculty. 1004.00

MUSIC 133
ELEMENTARY PIANO METHOD IV
1 unit, 1 hour lecture, 2 hours laboratory (GR or P/NP)
Recommended preparation: MUSIC 132
Acceptable for credit: CSU, UC

Individualized study of level IV beginning piano techniques and theory: Scale-playing, reading of notation, and performance in Bb and A Major; A, E, B, D, and G Minor; introduction to chromaticism, diminished, and augmented triads; reading and performance of rhythms including sixteenth notes and triplets; Music History relating to keyboard music; progressive development of skills needed for solo performance. Performance evaluation by music faculty. 1004.00

MUSIC 134
INTERMEDIATE PIANO LITERATURE I
1 unit, 1 hour lecture, 2 hours laboratory (GR or P/NP)
Recommended preparation: MUSIC 133
Acceptable for credit: CSU, UC

Individualized study of level I intermediate piano literature, techniques, and theory: All major scales, keyboard history of Renaissance and Baroque Eras; level I intermediate rhythms, including syncopation, simple and compound meters, sixteenth notes, and triplets; playing duets; progressive development of skills needed for performance. Performance evaluation by music faculty. 1004.00

MUSIC 135
INTERMEDIATE PIANO LITERATURE II
1 unit, 1 hour lecture, 2 hours laboratory (GR or P/NP)
Recommended preparation: MUSIC 134
Acceptable for credit: CSU, UC

Individualized study of level II piano literature, techniques, and theory: All harmonic minor scales, keyboard history pertaining to the Classical Era; triad inversions, and seventh chords; cadences and basic chord progressions; duets; progressive development of skills needed for solo performance. Performance evaluation by music faculty. 1004.00

MUSIC 136
INTERMEDIATE PIANO LITERATURE III
1 unit, 1 hour lecture, 2 hours laboratory (GR or P/NP)
Recommended preparation: MUSIC 135
Acceptable for credit: CSU, UC

Individualized study of level III piano literature, techniques, and theory: All melodic minor scales, keyboard history pertaining to the Romantic Era; ornamentation; interpretation and execution of triplets, duets; progressive development of skills needed for solo performance. Performance evaluation by music faculty. 1004.00

MUSIC 137
INTERMEDIATE PIANO LITERATURE IV
1 unit, 1 hour lecture, 2 hours laboratory (GR or P/NP)
Recommended preparation: MUSIC 136
Acceptable for credit: CSU, UC

Individualized study of level IV piano literature, techniques, and theory: Chromatic, octatonic, and whole-tone scales; Twentieth Century piano literature; piano voicing; interpretation and execution of odd and changing meter, duets; progressive development of skills needed for solo performance. Performance evaluation by music faculty. 1004.00
NATIVE AMERICAN STUDIES (NATAM) PROGRAMS AND COURSES

Native American Studies courses in the Department of Ethnic Studies offer opportunities for students to deepen their understanding of the multicultural and multi-racial history and character of the American experience. In addition, the courses locate the experiences of people of color in a larger global context in terms of identity, culture, sociology, history and economic relations between nations. As new processes of migration evolve due to global economic politics, Native American Studies examines new topics of discussion and learning such as borderlands, scarcity and migration, globalization and democracy, and the increasing “ethnicization” of central economies.

COURSES

NATIVE AMERICAN STUDIES

NATAM 19
RACISM IN THE UNITED STATES
3 units, 3 hours lecture (GR or P/NP)
Also offered as AFRAM 19, ASAME 19, and M/LAT 6. Not open for credit to students who have completed or are currently enrolled in AFRAM 19, ASAME 19, or M/LAT 6.
Acceptable for credit: CSU, UC

Exploration of the development of modern racism in the United States: Economic, socio-cultural, and psychological implications; and resistances to its effects from African-American, Asian-American, Mexican and Latin-American and Native American perspectives. 2203.03
AA/AS area 2, 5; CSU area D; IGETC area 4C

NATAM 76D
NATIVE AMERICANS AND THE BAY AREA ENVIRONMENT: CONTEMPORARY PERIOD
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as ENVST 76D. Not open for credit to students who have completed/are currently enrolled in ENVST 76D.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU

Prehistoric, historic and contemporary Native American relationships to the Bay Area region and Native philosophical perspectives on human/land relationships with emphasis on the contemporary period: Introduction to tribal groups, link between origin stories and the natural environment and the moral/spiritual foundation for land use, resource utilization, and impact of Spanish and Anglo settlers on the land and Native peoples. 2203.03
AA/AS area 2, 5 (if course taken for 3 or more units)

NATAM 76E
CALIFORNIA INDIAN ECOLOGY ON THE CENTRAL COAST
1.5 units, 1.5 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Native American relationships to the California Central Coast: Pre-Indian environment; abundance; human-environment interactions; adaptations; challenges; environmentally situated lives; ethnoecology of specific tribal groups; beliefs and worldviews; norms and practices; ecological knowledge bases; resource management. 0302.00
AA/AS area 2, 5 (if course taken for 3 or more units)
The Natural Sciences represents a branch of science with multiple paths that deals with the physical world, including physics, chemistry, geology, biology, and astronomy. To earn an ASSOCIATE IN Science in Natural Sciences, students are required to take a variety of science classes that will give them a well-rounded background in the sciences leading to transfer to a four-year college and a variety of careers. Following is the curriculum and courses required for the degree. There are multiple career options depending on which discipline students choose.

Merritt College offers the following degree program in Natural Sciences:

**NATURAL SCIENCES**
- ASSOCIATE IN SCIENCE (AS) DEGREE
## Natural Sciences

### Associate in Science (AS) Degree

**Description**
The Associate in Science degree in Natural Sciences will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements.

**Program Learning Outcomes**
Upon successful completion of this program, students will be able to:
1. Demonstrate the knowledge and application of scientific principles.
2. Use and interpret formulas, graphs and tables.
3. Demonstrate an understanding of the role of science in shaping technology and society.

### Program Requirements

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Group A</strong></td>
<td>Select one course for 3-5 units from the following:</td>
<td></td>
</tr>
<tr>
<td>BIOL 1A</td>
<td>General Biology</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 1A</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>GEOG 1</td>
<td>Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 4A</td>
<td>General Physics with Calculus</td>
<td>3</td>
</tr>
<tr>
<td><strong>Group B</strong></td>
<td>Select remaining 13-15 units from the following:</td>
<td></td>
</tr>
<tr>
<td>ANTHR 1</td>
<td>Introduction to Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ASTR 10</td>
<td>Descriptive Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1A</td>
<td>General Biology</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 1B</td>
<td>General Biology</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 2</td>
<td>Human Anatomy</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 3</td>
<td>Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 4</td>
<td>Human Physiology</td>
<td>5</td>
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<tr>
<td>BIOL 5*</td>
<td>Botany *</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 9</td>
<td>Marine Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 10</td>
<td>Introduction to Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 13</td>
<td>Principles of Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 15</td>
<td>Environmental Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 20A</td>
<td>Human Anatomy and Physiology</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 20B</td>
<td>Human Anatomy and Physiology</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 23</td>
<td>Introduction to the Human Body</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 24</td>
<td>Basic Human Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 25</td>
<td>Human Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 29</td>
<td>Biology of the Living World</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 36</td>
<td>Human Genetics</td>
<td>4</td>
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<tr>
<td>CHEM 1A</td>
<td>General Chemistry</td>
<td>5</td>
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<tr>
<td>CHEM 1B</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 12A</td>
<td>Organic Chemistry</td>
<td>5</td>
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<tr>
<td>CHEM 12B</td>
<td>Organic Chemistry</td>
<td>5</td>
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<tr>
<td>CHEM 30A</td>
<td>Introductory General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 30B</td>
<td>Introductory Organic and Biochemistry</td>
<td>4</td>
</tr>
</tbody>
</table>

*CONTINUED*
### PROGRAMS

#### NATURAL SCIENCES

**ASSOCIATE IN SCIENCE (AS) DEGREE**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 1</td>
<td>Physical Geography</td>
<td>3</td>
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<tr>
<td>GEOL 1</td>
<td>Introduction to Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 12</td>
<td>Environmental Geology</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 1</td>
<td>Introduction to Landscape Horticulture with Lab (Day)</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 1E</td>
<td>Introduction to Landscape Horticulture (Evening)</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 15*</td>
<td>Botany for Horticulture*</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2A</td>
<td>General Physics</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 2B</td>
<td>General Physics</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 4A</td>
<td>General Physics with Calculus</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 4B</td>
<td>General Physics with Calculus</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 4C</td>
<td>General Physics with Calculus</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 10</td>
<td>Introduction to Physics</td>
<td>4</td>
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*BIOL 5 is the same as LANHT 15; maximum credit: one course.*

<table>
<thead>
<tr>
<th>Major Requirements</th>
<th>18</th>
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<tbody>
<tr>
<td>Total Units</td>
<td>60</td>
</tr>
</tbody>
</table>

**Note:** To qualify for the Natural Sciences Associate in Science degree, students must satisfactorily complete the major requirements specified above and the local AA/AS general education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS general education requirements.
The Merritt College Associate Degree Nursing program prepares students for entry-level positions as registered nurses. Upon successful completion of the program, students will graduate with an ASSOCIATE IN Science Degree and be eligible to take the state licensing examination for registered nurses (National Council Licensure Examination– NCLEX-RN).

The Associate Degree Nursing (ADN) program is approved by the California Board of Registered Nursing (BRN), the California State Department of Education, the Veteran's Administration for the training of veterans, the Federal Department, and the Federal Immigration and Naturalization Service for foreign student education. The courses in the ADN program are accepted by the University of California, the California State University system, and many other public and private institutions of higher learning.

The ADN program is part of the Allied Health and Public Safety Division. The other programs in the department are the Medical Assistant program, the Radiologic Science program, and the Nutrition & Dietetics Program.

Merritt College offers the following degree program in Nursing (ADN):

ASSOCIATE DEGREE NURSING (ADN)
- ASSOCIATE IN SCIENCE (AS) DEGREE
PROGRAMS

ASSOCIATE DEGREE NURSING (ADN)
ASSOCIATE IN SCIENCE (AS) DEGREE

DESCRIPTION

The Associate Degree Nursing (ADN) program is approved by the California Board of Registered Nursing. This program is designed to prepare students for beginning positions in Registered Nursing. Upon successful completion of the program, students are eligible to take the state licensing examination for registered nurses. The course of study includes instruction in applied nursing sciences, related natural and social/behavioral sciences, and clinical nursing experience in hospitals and healthcare facilities located in the San Francisco Bay Area.

The Associate in Science degree in Nursing will be awarded upon satisfactory completion of the Group A Prerequisite requirements, the Group B General Education/Graduation requirements, and the Group C Major course requirements. Applications are accepted each year from December 1 – March 1 for the class admitted the following Fall semester. All applications with supporting data (all transcripts, etc.) must be received no later than March 1. Applications may be hand-delivered or mailed to the Merritt College Associate Degree Nursing Program. Nonresident foreign students must first be cleared for admission through the International Student Advisor’s Office. It is required that all students interested in the Nursing program see a counselor for guidance in preparation for the program and evaluation of prerequisites prior to applying.

NO MATERIALS WILL BE ACCEPTED AFTER THE APPLICATION DEADLINE DATES. LATE OR INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED.

ELIGIBILITY/ADMISSION REQUIREMENTS:

1. The student must be a graduate of an accredited high school or have passed the GED test or equivalent.
2. All prerequisite courses in Group A must be completed before applying for admission into the program.
   a. Each Group A course must be completed with a grade of “C” or better (letter grade only) with an overall grade-point average (GPA) of 2.5 or better (“C-” is not acceptable).
   b. Anatomy, Physiology, and Microbiology courses must have been completed.
3. A recent (within 6 months) physical examination certifying good physical health must have been satisfactorily completed, criminal background check and drug screening at the student’s own expense.
4. CPR (Basic Life Support) certification must be current within one year at the time of application and must re-main current throughout the length of the program.
5. The student must have proof of a two part annual Tuberculosis (TB) screening.
6. Upon enrollment to the college, students should obtain an Initial Evaluation Request Form from the college’s Admissions and Records Office for courses completed at all colleges or universities. Foreign transcripts must be sent to World Education Services for evaluation and Berlitz Translation Services for translation. Forms may be obtained from the Counseling Office.
7. Nonresident foreign students must see the International Student Advisor before applying.
8. Two sets of official transcripts from all colleges attended including the Peralta District must be on file: One set to the District Admission and Records Office, and one set to the Allied Health Department (D102) at Merritt.

ADMISSION CRITERIA EFFECTIVE AS OF FALL 2011:

The process by which students are admitted to the Associate Degree Nursing Program (ADN) changed for students applying for admission into the Program in Fall 2008 and subsequent terms. The Program adopted the Chancellor’s Advisory Model Prerequisites for Enrollment in Associate Degree Nursing Program admission criteria. Students must complete all Group A prerequisites prior to applying to the ADN Program for admission. While it is highly recommended that students complete both Group A and Group B courses prior to entry into the ADN Program, admission into the ADN Program will be based upon the Chancellor’s Advisory Model Prerequisites for Enrollment in the Associate Degree Nursing Program (Group A courses).

Admission will be determined by the following:

1. Overall college GPA: 2.5 or above.
2. Group A coursework.
3. Biology Core (anatomy, physiology, and microbiology): GPA 2.5 or above. Additionally, biology core repetitions will be evaluated.*Core Biology course repetitions will adversely affect your overall score. [i.e. each repetition deducts from your Chancellor’s Score, and three repetitions eliminates your chance of receiving the required 80%]. ALL repetitions count, regardless of the grade. A, B, C, D, F, or W (“withdraw”), is counted as a repetition. A formula approved by the State Chancellor’s Office will compute your cut score. Those who score above 80% will be entered into the eligibility pool. Of those eligible to enroll into the Nursing Program, a lottery will be used for selection purposes. All students meeting the admission criteria will be eligible for admission by random selection.
4. English 1A (Composition and Reading), GPA: 2.0.

Applications will be accepted from February through March for Fall admission of the following academic school year. Students may apply for admission only once per year.
ASSOCIATE DEGREE NURSING (ADN)
ASSOCIATE IN SCIENCE (AS) DEGREE

In order to apply for admission into the ADN Program, students must complete the admission prerequisites (Group A courses). At that time, the student’s transcripts will be screened to determine whether the student is eligible for admission based upon the Chancellor’s Advisory Model Prerequisites.

Prior to admission, all students who have been randomly selected must also pass a diagnostic assessment test (Basic Math, English, Reading, and Science) in addition to meeting the requirements stated above. Students who fail to achieve a passing score will be offered to complete additional Pre-nursing course work prior to admission and enrollment in the Nursing Program. Pre-Nursing course work and clearance of diagnostic assessment deficiencies must be completed to become eligible for admission to the program. Contact the ADN program for more details.

NOTE: Students should see a counselor at least once each semester to plan for their educational goal(s).

PROGRAM LEARNING OUTCOMES

Upon successful completion of this program, students will be able to:

1. Apply principles of teaching, learning, and homeostasis when in a caregiving relationship with patient, family and staff members.
2. With appropriate supervision, develop and implement safe and skillful nursing care for a group of patients.
3. Participate effectively as a member of a health care team by applying their knowledge of the nursing process.
4. Develop an awareness of him/herself as a person and as a practitioner.

PROGRAM REQUIREMENTS

Students with prior experience in the healthcare field, such as Licensed Vocational Nursing (LVN), may apply to challenge courses within the Nursing curriculum and seek advanced placement in the program. Contact the Allied Health Department for details. For written information regarding advanced placement, challenge by examination, transfer, or the 30-unit option (BRN Regulation, Section 2736.6), contact the Allied Health Department Office located in Building D, Room 102.

NOTE: Transfer-in or advanced-placement students will be admitted only on a space-available basis.

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 20A</td>
<td>Human Anatomy and Physiology</td>
<td>5</td>
</tr>
<tr>
<td>and</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 20B</td>
<td>Human Anatomy and Physiology</td>
<td>5</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 2</td>
<td>Human Anatomy</td>
<td>5</td>
</tr>
<tr>
<td>and</td>
<td></td>
<td></td>
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<tr>
<td>BIOL 4</td>
<td>Human Physiology</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 3</td>
<td>Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>ENGL 1A</td>
<td>Composition and Reading</td>
<td>4</td>
</tr>
</tbody>
</table>

CONTINUED
### PROGRAMS

#### ASSOCIATE DEGREE NURSING (ADN)
#### ASSOCIATE IN SCIENCE (AS) DEGREE

<table>
<thead>
<tr>
<th>Group B – General Education/Graduation Requirements:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>The minimum GE-unit requirement for the Associate Degree is 19 units; some of these requirements can be met by the Group A prerequisite courses. Computer Literacy and Ethnic Studies are degree requirements that are not required by the BRN for licensure.</td>
<td></td>
</tr>
<tr>
<td>Although Group B courses meet General Education (GE)/Graduation Requirements and can be completed prior to or after admission into the ADN Program, it is highly recommended that these courses be completed prior to admission into the program. Each Group B course must be completed with a grade of “C” or better (letter grade only) except for Ethnic Studies and Computer Literacy. “C-” is not acceptable. English 5 requires an additional Humanities course.</td>
<td></td>
</tr>
</tbody>
</table>

| MATH 203 | Intermediate Algebra | 4 |
| ENGL 1B | Composition and Reading | 4 |
| ENGL 5 | Critical Thinking in Reading and Writing | 3 |
| PSYCH 1A | Introduction to General Psychology | 3 |
| SOC 1 | Introduction to Sociology | 3 |
| ANTHR 3 | Introduction to Social and Cultural Anthropology | 3 |
| COMM 20 | Interpersonal Communication Skills | 3 |

**Plus:** Computer Literacy requirement

**And:** Ethnic Studies requirement

<table>
<thead>
<tr>
<th>Group C: Degree Major Requirements:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>The following courses are to be completed after admission into the ADN program. These courses must be completed with a grade of “C” or better (a 75% passing grade) in lecture and satisfactory clinical performance in each section of a course (“C-” is not acceptable):</td>
<td></td>
</tr>
</tbody>
</table>

| NURS 1 | Fundamentals in Nursing: Beginning Principles of Health Care | 9 |
| NURS 3A | Perinatal Nursing | 4 |
| NURS 3B | Pediatric Nursing | 4 |
| NURS 4A | Intermediate Medical-Surgical Nursing | 4 |
| NURS 4B | Psychiatric Nursing | 4 |
| NURS 5 | Advanced Medical-Surgical Nursing: Disruption in Homeostasis | 9 |
| NURS 10 | Leadership and Management | 1 |
| NURS 01 | Ethics and Law | 1 |
| NURS 12 | Calculation of Drug Dosages for Health Professionals | 1 |
| NURS 13 | Pharmacology in Nursing | 3 |
| NURS 14 | Nutrition and Diet Therapy in Nursing | 2 |

**Total Prerequisite Units:** 19  
**Total General Education Units:** 20-21  
**Total Major Units:** 42  
**Total Degree Units:** 81-82
NURSING

NURS 1
FUNDAMENTALS IN NURSING: BEGINNING PRINCIPLES OF HEALTH CARE
9 units, 4 hours lecture, 12 hours hospital/laboratory, 3 hours skills laboratory (GR)
Prerequisite: BIOL 2 or BIOL 20A, and BIOL 3, and BIOL 4 or BIOL 20B, and MATH 201 or MATH 210D or (MATH 204B), and CPR (BLS) certification or HLTED 11, and health clearances: physical examination and negative TB test results.
Corequisite: NURS 11 and 12
Acceptable for credit: CSU

Introduction to nursing in historical, contemporary, and factual perspectives: Nursing fundamentals, changing philosophy of health care, current concepts of health and illness, emerging trends with emphasis on homeostasis relating to promotion and conservation of individual, family, and community health; nursing process and diagnoses. Clinical experience focuses on beginning nursing skills in caring for selected medical-surgical patients experiencing disruption in homeostasis. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 3A
PERINATAL NURSING
4 units, 2 hours lecture, 6 hours laboratory (GR)
Prerequisite or Corequisite: NURS 11 and 12
Acceptable for credit: CSU

Theory and guided practice in working with other nursing and health-team members in providing comprehensive care of the child-bearing family in perinatal hospital settings. Clinical experience focuses on assuming responsibility for planning, implementing and evaluating nursing care of patients using homeostasis as a base, and the nursing process as a tool for intervention. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 3B
PEDIATRIC NURSING
4 units, 2 hours lecture, 6 hours laboratory (GR)
Prerequisite or Corequisite: NURS 11 and 12
Acceptable for credit: CSU

Theory and guided practice in working with other nursing and health-team members in providing comprehensive care of infants and children in pediatric hospital settings. Clinical experience focuses on assuming responsibility for planning, implementing and evaluating nursing care of patients using homeostasis as a base, and the nursing process as a tool for intervention. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 4A
INTERMEDIATE MEDICAL-SURGICAL NURSING
4 units, 2 hours lecture, 6 hours laboratory (GR)
Prerequisite: NURS 1 and NURS 11 and NURS 12
Prerequisite or Corequisite: NURS 13
Acceptable for credit: CSU

Theory and guided practice in working with nursing and health-team members in providing comprehensive care of adults in medical, surgical and geriatric clinical settings. Clinical experience focuses on assuming responsibility for planning, implementing and evaluating care of patients with increasingly complex levels of physical, social and emotional disruption and adaptation of homeostasis. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 4B
PSYCHIATRIC NURSING
4 units, 2 hours lecture, 6 hours laboratory (GR)
Prerequisite: NURS 1 and NURS 11 and NURS 12
Prerequisite or Corequisite: NURS 13
Acceptable for credit: CSU

Theory and guided practice in working with nursing and health-team members in providing comprehensive care of adults in psychiatric clinical settings. Clinical experience focuses on assuming responsibility for planning, implementing and evaluating care of patients with increasingly complex levels of physical, social and emotional disruption and adaptation of homeostasis. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 5
ADVANCED MEDICAL-SURGICAL NURSING: DISRUPTION IN HOMEOSTASIS
9 units, 4 hours lecture, 15 hours laboratory (GR)
Prerequisite: NURS 3A, NURS 3B, NURS 4A, NURS 4B, and NURS 14
Corequisite: NURS 10
Acceptable for credit: CSU

In-depth approach to the study of illness: Introduction to beginning practice in advanced medical-surgical nursing and leadership and management with combined lecture, demonstration and clinical experience. Clinical experience focuses on caring for critically ill patients with disruption in homeostasis and beginning activities in leadership and management. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 10
LEADERSHIP AND MANAGEMENT
1 unit, 1 hour lecture (GR)
Corequisite: NURS 5
Acceptable for credit: CSU

Examination of various leadership and management styles, healthcare politics, and healthcare delivery systems: Examination of student nurse's own leadership style and evaluation of its effectiveness. Course includes in-class lecture and discussion and online and distance learning components. 1230.10
NURS 11
ETHICS AND LAW
1 unit, 1 hour lecture (GR)
Corequisite: NURS 1 and NURS 12
Acceptable for credit: CSU

Legal rights and ethical issues of patients and health care professionals: Legal and ethical issues confronting practicing nurses and the legal boundaries of nurse conduct; ethical issues include examination of values of patients and health care professionals, effect of culture on an individual’s value system, and ethical conflicts; law portion covers legal issues encountered by nurses and methods of resolving them. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 12
CALCULATION OF DRUG DOSAGES FOR HEALTH PROFESSIONALS
1 unit, 1 hour lecture (GR)
Prerequisite: MATH 201 or MATH 210D (or MATH 204B)
Corequisite: NURS 1 and NURS 11
Recommended preparation: Review and remastery of mathematical computations involving fractions, decimals, ratios, percents, simple equations, proportions, and systems of measurement before entrance into the program.
Eligible for credit by examination.
Acceptable for credit: CSU

Calculation of the correct amount of prescribed medication and fluids to be given to patients: Weights and measures used in the prescription and administration of medications, and the ability to use mathematical skills in calculating medication dosages. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 13
PHARMACOLOGY IN NURSING
3 units, 3 hours lecture (GR)
Prerequisite: NURS 1
Acceptable for credit: CSU

Description and study of general and specific classes of drugs: Mechanisms of their actions, interactions, symptoms of toxicity, and common drugs in each group; and state and federal drug legislation. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 14
NUTRITION AND DIET THERAPY IN NURSING
2 units, 2 hours lecture (GR)
Prerequisite: NURS 1
Acceptable for credit: CSU

Basic principles of human nutrition and fundamentals of diet therapy: Nutrients, their function and food sources, and problems of excess and deficiency; dietary guidelines for health promotion and disease prevention; screening for nutritional risk, assessment of dietary needs, care planning, modified needs of the life cycle, and dietary modifications for common and uncommon health conditions. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 15A
LVN-ADN EXAM
.5 units, 8 term hours lecture (P/NP)
Passage of the LVN-ADN Exam is required for admission to the Associate Degree Nursing (ADN) program with advanced placement.

Orientation to the Associate Degree Nursing (ADN) program and examination of LVN (Licensed Vocational Nurse) applicants to the program: Discussion of the Associate degree Nursing curriculum, and administration of the Merritt College Nursing program’s Exam for LVNs. 1230.10

NURS 15B
PRE-NURSING ARTICULATION FOR LVNS
4.5 units, 4.5 hours lecture (GR)
Acceptable for credit: CSU

Bridge course for LVNs (Licensed Vocational Nurse) receiving advanced placement in the Associate Degree Nursing program: Provides the course content necessary for the transition of the LVN into the role of the Nursing student. 1230.10

NURS 250
ASSOCIATE DEGREE NURSING SUCCESS
4 units, 4 hours lecture (GR)
Recommended Preparation: Completion of all nursing admission requirements.

Tools for better understanding textbooks and lectures: Test taking strategies and introduction to nursing fundamentals. 1230.10

NURS 260A
NURSING SKILLS LAB
Variable .5 to 1 unit, 1.5 to 3 hours laboratory (P/NP)
Open-entry/open-exit
A student is permitted to enroll in this class as many times as necessary to complete the entire curriculum of the course once.

Nursing skills lab for AD Nursing students to practice and improve skills in a self-paced, controlled environment: Focus on nursing diagnosis and nursing care plans, vital signs, infection control/asepsis (basic hygiene and dressing changes), communication techniques, patient safety and comfort, medications; feeding techniques. 1230.10

NURS 260B
NURSING SKILLS LAB
Variable .5 to 1 unit, 1.5 to 3 hours laboratory (P/NP)
Open-entry/open-exit
A student is permitted to enroll in this class as many times as necessary to complete the entire curriculum of the course once.

Nursing skills lab for AD Nursing students to practice and improve skills in a self-paced, controlled environment: Focus on review of physical assessment skills; fluids, elimination, mobility, nasogastric tube insertion, case studies. 1230.10
NURSING (NURS)

COURSES

NURS 270
SURVEY OF NURSING PROGRAMS AND PROFESSIONS
.5 unit, .5 hour lecture (P/NP)

Introduction to nursing roles and professions in the healthcare fields: Discussion of levels of healthcare delivery responsibilities, issues and compensation. 1230.10

NURS 275
ASSOCIATE DEGREE NURSING ORIENTATION
.5 unit, .5 hour lecture (P/NP)

Overview of the nursing program: Requirements of the program, time commitment, scheduling of pre-clinical hours and clinical hours. 1230.10
The Nutrition and Dietetics Program serves those who wish to train for a career in the nutrition and dietetics field, those who wish to prepare for transfer to a four-year institution, and those who are currently employed in an agency providing nutrition/dietetics services and who seek training for career advancement or certification as Dietetic Technicians. The program is dedicated to fostering a learning environment that provides the healthcare community with culturally-diverse dietetic practitioners with excellent training, ethics and professionalism. The program also supports the lifelong academic and professional success of every student regardless of race, national origin or economic status, and contributes to institutional success by preparing students to successfully complete their training, find employment, be responsive to community needs, and become active leaders and mentors in the field of dietetics.

There are three majors in the Nutrition and Dietetics Program: the Associate in Science in Nutrition and Dietetics for Transfer (AS-T) degree, Associate in Science in Dietetic Technology (AS) degree and the Certificate of Achievement in Dietary Manager.

To qualify for the Associate in Science in Dietetic Technology degree, students must satisfactorily complete the Degree Major requirements and the local AA/AS General Education requirements. Some courses in this major also satisfy the General Education requirements. To qualify for the Certificate of Achievement in Dietary Manager (Dietetic Service Supervisor), students must satisfactorily complete the Certificate of Achievement requirements specified for that major. Both programs have been approved by national profession organizations or state certification programs. The Dietary Manager Program is approved by the National Association of Nutrition & Foodservice Professionals (ANFP) and the Dietary Manager/Dietetic Service Supervisor Program is approved by the State of California Department of Public Health (CDPH), Licensing and Certification Program. The Dietetic Technology Program is accredited by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics (ACEND/AND).

Eligibility/Admission Requirements for Dietary Manager (DM) and Dietetic Technician (DT) Field Placement/Internship Programs:

1. A recent (within 6 months) physical examination certifying good physical health, a negative TB screening, immunization history, and verification of a clear background check must be satisfactorily completed, at the student's own expense, and results submitted at the application orientation meeting held at the beginning of May for the Fall semester and in December for the Spring semester.
2. Active email account.
3. Prerequisite courses in Nutrition and Dietetics must be completed before applying for admission into the Dietary Manager or the Dietetic Technician Field Placement/Internship programs.
   • Nutrition and Dietetics major courses must be completed with a grade of “C” or better.
   • NUTR 1 is highly recommended. This course is a survey of the various professions in nutrition and dietetics, including academic requirements, job opportunities, and program details. Students’ coursework from previous institutions is discussed and evaluated in this course which is helpful to the student in developing a Student Educational Plan (see Step 6 in Eligibility/Admission Requirements).
   • NUTR 10, 12, 30, 31, and 32 must be taken prior to applying to the field placement/internship program. This coursework must be current and have been taken within the last seven (7) years.
   • NUTR 31 or 32 (one course only) may be taken concurrently with NUTR 70A/71A.
   • Transcript evaluation: Upon admission to the college, students should obtain an Initial Evaluation Request Form from the college’s Admissions and Records Office for courses completed at other colleges or universities. Go to the Academy of Nutrition and Dietetics (AND) website, www.eatright.org, for a list of agencies that are accepted to evaluate foreign transcripts for Nutrition and Dietetics.
4. Two sets of official transcripts from all colleges outside of the Peralta District must be on file: One set to the District Admission and Records Office, and one set to the Nutrition and Dietetics Department at Merritt College. Coursework taken at a Peralta College is available already; therefore, it is not necessary to send transcripts for coursework completed in the Peralta Community College District.
5. Develop a Student Educational Plan (SEP).
Highly Recommended Preparation:
CIS 1, Introduction to Computer Information Systems: Students entering the DM/DSS and DT programs are expected to demonstrate intermediate skills using Microsoft Word, email, and navigating the Internet. Students who are not proficient are advised to complete CIS 1 at Merritt (or an equivalent course at another college).

Merritt College offers the following degree and certificate programs in Nutrition and Dietetics:

**NUTRITION AND DIETETICS**
- ASSOCIATE IN SCIENCE IN NUTRITION AND DIETETICS FOR TRANSFER (AS-T)

**DIETARY MANAGER**
- CERTIFICATE OF ACHIEVEMENT

**DIETETIC TECHNOLOGY**
- ASSOCIATE IN SCIENCE (AS) DEGREE
DESCRIPTION
The Associate in Science in Nutrition and Dietetics for Transfer (AS-T Nutrition and Dietetics) degree is intended to meet the lower division requirements for nutrition and dietetics majors or majors that have been deemed similar in the California State University (CSU) system.

The degree prepares students to function in a variety of nutrition, public health and clinical settings and is for students who seek to transfer to a CSU institution or to prepare for a career in nutrition and dietetics by meeting the requirements to work in a variety of health and wellness settings.

Successful completion of the Associate in Science in Nutrition and Dietetics for Transfer degree (AS-T Nutrition and Dietetics) affords students specific guarantees for transfer to the California State University (CSU) system such as admission to a CSU with junior status, priority admission to their local CSU campus and to a program or major in nutrition and dietetics or similar major. Students transferring to a CSU campus will be required to complete no more than 60 semester or 90 quarter units after transfer to earn a bachelor's degree.

To qualify for the Associate in Science in Nutrition and Dietetics for Transfer degree (AS-T Nutrition and Dietetics), students are required to complete 60 semester units that are eligible for transfer to a California State University, including both of the following:

1. The California State University General Education - Breadth Requirements (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) and
2. 29-30 semester units with a grade of "C" or better in the major (or "P" if the course is taken on a “Pass/No-Pass” basis) and an overall minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework. (Some universities may have limits on the number of Pass/No-Pass units they will accept for transfer. See a counselor for more information.)

See the Transfer to Four-Year Colleges and Universities section of this catalog for more information on AS-T overall requirements and CSU GE-Breadth or IGETC.

NOTE: students should see a counselor at least once each semester to plan for their educational goal(s).

CAREER OPPORTUNITIES
Those completing the Associate in Science in Nutrition and Dietetics for Transfer degree (AS-T Nutrition and Dietetics) will be able to transfer to CSU campuses that will prepare them for a variety of careers in nutrition and dietetics such as community nutrition specialist, teaching nutrition education, working as nutrition assistant in a hospital setting, or becoming a Dietetic Technician, Registered through the Academy of Nutrition and Dietetics. In addition, students may choose to pursue advanced study in a variety of graduate programs after receiving their baccalaureate degree. With a baccalaureate degree in Nutrition and Dietetics or similar baccalaureate degree, students are eligible to apply for a dietetic internship through the Academy of Nutrition and Dietetics to become a Registered Dietitian.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Communicate with staff and clients in a professional and culturally sensitive manner.
2. Display effective dietary manager skills.
3. Synthesize the knowledge and skills to pass the national Certified Dietary Manager exam.
4. Provide and maintain the highest level of personal ethical behavior.
5. Utilize up-to-date, evidence-based practices in the field of dietary management.
# NUTRITION AND DIETETICS
## ASSOCIATE IN SCIENCE IN NUTRITION AND DIETETICS
### FOR TRANSFER (AS-T) DEGREE

## PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Major Core Courses</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3</td>
<td>Microbiology</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>CHEM 1A</td>
<td>General Chemistry</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>NUTR 10</td>
<td>Nutrition</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>NUTR 31</td>
<td>Food-Production Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSYCH 1A</td>
<td>Introduction to General Psychology</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Major Elective Courses</th>
<th>Group A</th>
<th>Select two courses for 9-10 units from the following:</th>
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</thead>
<tbody>
<tr>
<td>BIOL 2*</td>
<td>Human Anatomy *</td>
<td>5</td>
</tr>
<tr>
<td>or</td>
<td>Human Physiology *</td>
<td>5</td>
</tr>
<tr>
<td>and</td>
<td>Organic Chemistry **</td>
<td>5</td>
</tr>
<tr>
<td>or</td>
<td>Introduction to Statistics</td>
<td>4</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Major Requirements</th>
<th>29-30</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education Requirements (CSU GE or IGETC)</td>
<td>37-39</td>
</tr>
<tr>
<td>Electives (CSU transferable courses)</td>
<td>3-7</td>
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<td>Total Units</td>
<td>60</td>
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</tbody>
</table>

* Only one course from BIOL 2 or BIOL 4 can be taken to fulfill the degree major requirements. Students taking BIOL 2 or BIOL 4 must also take MATH 13 or CHEM 12A to fulfill the requirements.

** CHEM 12A requires CHEM 1A and CHEM 1B as prerequisites.
DIETARY MANAGER
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
The Dietary Manager program is designed for those with food-service and cooking experience who seek advancement into management positions, especially in the healthcare field. Completion of this program qualifies one for employment in a long-term healthcare facility as a Dietetic Service Supervisor (DSS designation, State of California Department of Public Health). It also qualifies the graduate to apply for certification with the National Dietary Managers Association as a Certified Dietary Manager (CDM) and Certified Food Protection Professional (CFPP). A Certificate of Achievement in Dietary Manager (Dietetic Service Supervisor) will be awarded upon satisfactory completion of the major course requirements.

CAREER OPPORTUNITIES
Career opportunities may include food service manager, dietetic technician, first-line supervisors of food preparation and serving workers, and cooks in institutions and cafeterias.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Describe the roles and responsibilities of a chief officer.
2. Discuss emerging issues in today's fire and EMS agencies.
3. Describe effective managerial and leadership principles for the chief fire officer.

PROGRAM REQUIREMENTS
1. Communicate with staff and clients in a professional and culturally sensitive manner.
2. Display effective dietary manager skills.
3. Synthesize the knowledge and skills to pass the national Certified Dietary Manager exam.
4. Provide and maintain the highest level of personal ethical behavior.
5. Utilize up-to-date, evidence-based practices in the field of dietary management.

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>Major Core Courses</td>
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</tr>
<tr>
<td>NUTR 10</td>
<td>Nutrition</td>
<td>4</td>
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<tr>
<td>NUTR 12</td>
<td>Nutrition and Disease</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 30</td>
<td>Sanitation and Safety</td>
<td>2</td>
</tr>
<tr>
<td>NUTR 31</td>
<td>Food-Production Safety</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 32</td>
<td>Supervision and Training</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 70A</td>
<td>Seminar in Supervised Practice, Level A</td>
<td>2</td>
</tr>
<tr>
<td>NUTR 70B</td>
<td>Rotations in Supervised Practice, Level A</td>
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<tr>
<td>Total Units</td>
<td>19</td>
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</tbody>
</table>
PROGRAMS

DIETARY MANAGER
CERTIFICATE OF ACHIEVEMENT

RECOMMENDED COURSE SEQUENCE
Students can use the following pattern to complete a Certificate of Achievement in Dietary Management. This is only one possible pattern. It maps a sequence of courses to help students complete their degree, regardless of the semester they begin class. This map does not replace consulting with a counselor. Students are advised to meet with a counselor at least once each semester to develop their individual Student Education Plan (SEP) and plan for their educational goals.

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Semester</td>
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<tr>
<td>NUTR 10</td>
<td>Nutrition</td>
<td>4</td>
</tr>
<tr>
<td>NUTR 30</td>
<td>Sanitation and Safety</td>
<td>2</td>
</tr>
<tr>
<td>NUTR 32</td>
<td>Supervision and Training</td>
<td>3</td>
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<tr>
<td></td>
<td>1st Semester Units</td>
<td>9</td>
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<tr>
<td>2nd Semester</td>
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<tr>
<td>NUTR 12</td>
<td>Nutrition and Disease</td>
<td>3</td>
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<tr>
<td>NUTR 31</td>
<td>Food-Production Systems</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>2nd Semester Units</td>
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<td>3rd Semester</td>
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</tr>
<tr>
<td>NUTR 70A</td>
<td>Seminar in Supervised Practice, Level A</td>
<td>2</td>
</tr>
<tr>
<td>NUTR 71A</td>
<td>Rotations in Supervised Practice, Level A</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>3rd Semester Units</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Total Units</td>
<td>19</td>
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</tbody>
</table>
PROGRAMS

DIETETIC TECHNOLOGY
ASSOCIATE IN SCIENCE (AS) DEGREE

DESCRIPTION
The Dietetic Technology program provides training for Dietetic Technicians, who work cooperatively with Registered Dietitians. The Dietetic Technician is certified by the Academy of Nutrition and Dietetics to screen clients for nutritional risk, and assist in assessing dietary needs, implementing care plans, and supervising food production and service. The Dietetic Technician, trained in food and nutrition, is an integral member of the healthcare, business and industry, public health, food service and research team.

To qualify for the Associate in Science in Dietetic Technology degree, students must satisfactorily complete the degree major requirements specified below and the local AA/AS General Education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS degree requirements.

CAREER OPPORTUNITIES
Career opportunities may include food service manager, dietetic technician, first-line supervisors of food preparation and serving workers, and cooks in institutions and cafeterias.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Communicate with staff and clients in a professional and culturally sensitive manner.
2. Display effective clinical nutrition skills.
3. Provide and maintain the highest level of personal ethical behavior.
4. Utilize up-to-date, evidence-based practices in the field of dietetic technology.

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUTR 10</td>
<td>Nutrition</td>
<td>4</td>
</tr>
<tr>
<td>NUTR 12</td>
<td>Nutrition and Disease</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 30</td>
<td>Sanitation and Safety</td>
<td>2</td>
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<tr>
<td>NUTR 31</td>
<td>Food-Production Systems</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 32</td>
<td>Supervision and Training</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 70A</td>
<td>Seminar in Supervised Practice, Level A</td>
<td>2</td>
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<tr>
<td>NUTR 70B</td>
<td>Seminar in Supervised Practice, Level B</td>
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</tr>
<tr>
<td>NUTR 70C</td>
<td>Seminar in Supervised Practice, Level C</td>
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<tr>
<td>NUTR 71A</td>
<td>Rotations in Supervised Practice, Level A</td>
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<tr>
<td>NUTR 71B</td>
<td>Rotations in Supervised Practice, Level B</td>
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<tr>
<td>NUTR 71C</td>
<td>Rotations in Supervised Practice, Level C</td>
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<tr>
<td>BIOL 24</td>
<td>Basic Human Anatomy and Physiology</td>
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<tr>
<td>HLTOC 201</td>
<td>Medical Terminology I</td>
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<td>General Education Area 2 (Social and Behavioral</td>
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<td>Sciences): One Psychology or Sociology course</td>
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<td></td>
<td>Major Requirements</td>
<td>38</td>
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<td></td>
<td>Total Units</td>
<td>60</td>
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</tbody>
</table>
NUTRITION AND DIETETICS

NUTR 1
SURVEY OF NUTRITION AND DIETETICS
1 unit, 1 hour lecture (GR or P/NP)
Acceptable for credit: CSU

Exploration of the professional scope of practice and career and educational opportunities in the nutrition and dietetics field: History of the profession; legal issues; roles, skills and required competencies in the field; professional code of ethics; program requirements and plan of completion; and career planning and development of a career portfolio. 1306.20

NUTR 10
NUTRITION
4 units, 4 hours lecture (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in BIOL 28 or BIOL 31.
Acceptable for credit: CSU, UC

Basic principles of human nutrition: Nutrients, their function and food sources, metabolism, problems of excess and deficiency; dietary guidelines for health promotion and disease prevention. 1306.60
CSU area E

NUTR 12
NUTRITION AND DISEASE
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: NUTR 10 (or FACS 10) or BIOL 28 or BIOL 31
Formerly offered as FACS 12.
Acceptable for credit: CSU, UC

Fundamentals of nutrition needs for common and uncommon health conditions/diseases including lifecycle variations: Review of the Nutrition Care Process (NCP), scope of practice, screening for nutritional risk, assessment of dietary needs, medical nutrition therapy interventions, modified diets, meal planning, and menu writing. 1306.60
CSU area E

NUTR 25
WEIGHT MANAGEMENT PRINCIPLES AND PRACTICE
2 units, 2 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Principles of nutrition and behavioral self-management techniques as related to weight loss, fitness, weight maintenance, and health status: Nutrient utilization, assessment of nutritional status, energy balance, weight standards, weight management, obesity as a public health issue, analysis of weight-loss diets and supplements programs, eating disorders, diet planning and analysis, and strategies used to positively impact fitness. 1306.20

NUTR 30
SANITATION AND SAFETY
2 units, 2 hours lecture (GR or P/NP)
Formerly offered as FACS 81
Acceptable for credit: CSU

Basic principles of sanitation and safety in the purchasing, storage, and preparation of food from a management perspective: Emphasis on the principles of Hazard Analysis Critical Control Point (HACCP) as applied to a healthcare food-production system, including accident prevention, crisis management, and current regulations. 1306.60

NUTR 31
FOOD-PRODUCTION SYSTEMS
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Formerly offered as FACS 84
Acceptable for credit: CSU

The functions of institutional food-service production: Menu development and standardization; forecasting, purchasing, storage, preparation and service; staffing, equipment selection and maintenance; evaluation of the food-service system; medical diets including texture and nutrient modifications; information technology in food service settings including budgeting, cost/inventory control, nutritional analysis, recipe development, production forecasting, menu production; selecting or upgrading systems software. 1306.60

NUTR 32
SUPERVISION AND TRAINING
3 units, 3 hours lecture (GR or P/NP)
Formerly offered as FACS 82
Acceptable for credit: CSU

Fundamentals of supervision and training in the nutrition and dietetics field: Human relations (communication, leadership, direction), operations management (laws, regulations, policies and procedures), institutional development (planning, marketing, evaluation), and professional development (ethics, career planning, portfolio development). 1306.60

NUTR 70A
SEMINAR IN SUPERVISED PRACTICE, LEVEL A
2 units, 2 hours lecture (GR or P/NP)
Prerequisite: NUTR 10 or BIOL 28 or BIOL 31, and NUTR 12 and 30
Corequisite: NUTR 71A
Acceptable for credit: CSU

Advanced study of the specific competencies required of the Dietary Manager and Dietetic Technician in a healthcare or community setting: Assessment, development, practicum, and evaluation of individual skills in nutrition therapy, sanitation, supervision, food production, delivery, and service. 1306.20
### COURSES

**NUTR 70B**  
**SEMINAR IN SUPERVISED PRACTICE, LEVEL B**  
3 units, 3 hours lecture (GR or P/NP)  
Prerequisite: NUTR 70A  
Corequisite: NUTR 71B  
Acceptable for credit: CSU  
Advanced study of the specific competencies required of the Dietetic Technician in a healthcare or community setting: Assessment, development, practicum, and evaluation of individual dietary skills. Focuses on clinical skills in a healthcare facility and public health nutrition skills in a community site. 1306.60

**NUTR 70C**  
**SEMINAR IN SUPERVISED PRACTICE, LEVEL C**  
3 units, 3 hours lecture (GR or P/NP)  
Corequisite: NUTR 71C  
Acceptable for credit: CSU  
Advanced study of the specific competencies required of the Dietetic Technician in a healthcare or community setting: Assessment, development, practicum, and evaluation of individual dietary skills. Focuses on advanced clinical skills in an acute-care facility and management skills in dietetics. 1306.60

**NUTR 71A**  
**ROTATIONS IN SUPERVISED PRACTICE, LEVEL A**  
1-4 units, hours to be arranged (GR or P/NP)  
Prerequisite or corequisite: NUTR 31 and NUTR 32  
Corequisite: NUTR 70A  
Acceptable for credit: CSU  
Course may be repeated one time for a maximum of 4 units. Designed to relate classroom learning to the actual job environment: 150 hours of verified, supervised field experience in healthcare settings is required. 1306.20

**NUTR 71B**  
**ROTATIONS IN SUPERVISED PRACTICE, LEVEL B**  
1-4 units, hours to be arranged (GR or P/NP)  
Corequisite: NUTR 70B  
Acceptable for credit: CSU  
Course may be repeated one time for a maximum of 4 units. Supervised application of dietetic principles in a healthcare facility to practice clinical competencies and in a community site to practice public health competencies: A total of 150 supervised hours is required. 1306.60

**NUTR 71C**  
**ROTATIONS IN SUPERVISED PRACTICE, LEVEL C**  
2 units, 2 hours lecture (GR or P/NP)  
Corequisite: NUTR 70C  
Acceptable for credit: CSU  
Course may be repeated one time for a maximum of 4 units. Supervised application of dietetic principles in a healthcare facility to practice advanced clinical and management skills: A total of 150 supervised hours is required. 1306.60
The Paralegal Studies Program provides students with the education, skills, knowledge and training to enable them to perform as top-level paralegals in the legal community. Students are trained to perform various legal tasks and provide staff support for attorneys in law offices or legal environments, including conducting research, drafting legal documents, preparing attorneys for trial/depositions and other legal tasks.

The Paralegal Studies Program offers a Paralegal Certificate or AA in Paralegal Studies. Upon program completion, students will be prepared for the law office work environment with the knowledge to effectively communicate and interface with attorneys; have a basic understanding of law and the legal profession, the state and federal court structure, and the justice system; and understand the areas of substantive law, including Family Law, Criminal Law, Tort Law, Estate Planning and Probate Procedure, Legal Research and Business Law.

Merritt College offers the following degree and certificate programs in Paralegal Studies:

**PARALEGAL STUDIES**
- ASSOCIATE IN ARTS (AA) DEGREE
- CERTIFICATE OF ACHIEVEMENT
PROGRAMS

PARALEGAL STUDIES
ASSOCIATE IN ARTS (AA) DEGREE

DESCRIPTION
There is a growing need for trained paralegals who know substantive law and administrative procedures required by the law and the court systems. The paralegal performs various legal tasks under the supervision of attorneys, including conducting legal research and drafting legal documents. Paralegals provide staff support for attorneys in a law office or in a legal setting. Many of these tasks are done by attorneys; however, under the law, they could be provided by paralegals under the supervision of an attorney.

The Associate in Arts degree in Paralegal Studies will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements.

CAREER OPPORTUNITIES
This program leads to career opportunities as a paralegal.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Draft various legal documents including motions, complaints, answers, discovery requests, declarations, legal forms, and other legal documents.
2. Conduct legal research using online research methods, such as Lexis and the Internet, as well as legal books.
3. Perform effective legal analysis and communicate effectively through oral communication and written documents.
4. Communicate effectively with attorneys, clients, and other persons, including but not limited to effectively interviewing clients and witnesses.
5. Assist attorneys in and demonstrate knowledge of particular areas of law, including criminal law, tort law, family law, business law and estate planning, and probate procedures.
# PARALEGAL STUDIES

## ASSOCIATE IN ARTS (AA) DEGREE

### PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
<td></td>
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</tr>
<tr>
<td>PARLG 1</td>
<td>Law and the Legal Profession</td>
<td>3</td>
</tr>
<tr>
<td>PARLG 6</td>
<td>Legal Research</td>
<td>3</td>
</tr>
<tr>
<td>PARLG 8</td>
<td>Introduction to Civil Procedure and Litigation Practice</td>
<td>3</td>
</tr>
<tr>
<td>PARLG 11</td>
<td>Advanced Legal Research and Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1A</td>
<td>Composition and Reading</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 100*</td>
<td>College Composition and Reading *</td>
<td>4</td>
</tr>
<tr>
<td><strong>Major Elective Courses</strong></td>
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<td></td>
</tr>
<tr>
<td>Group A</td>
<td>Select a minimum of 11-12 units from the following:</td>
<td></td>
</tr>
<tr>
<td>PARLG 4</td>
<td>Law Office Management</td>
<td>2</td>
</tr>
<tr>
<td>PARLG 9</td>
<td>Introduction to Tort Law</td>
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</tr>
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<td>PARLG 10</td>
<td>Family Law</td>
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<td>Estate Planning and Probate Procedure</td>
<td>3</td>
</tr>
<tr>
<td>PARLG 15</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>PARLG 16</td>
<td>Seminar in Paralegal Studies Internship</td>
<td>1</td>
</tr>
<tr>
<td>BUS 2</td>
<td>Introduction to Business Law</td>
<td>3</td>
</tr>
<tr>
<td>COPED 474A**</td>
<td>Occupational Work Experience in Paralegal Studies **</td>
<td>1 - 4</td>
</tr>
</tbody>
</table>

* ENGL 100 does not meet English composition transfer requirements; ENGL 1A is required for transfer.
** Maximum of 3 units can be applied to the Certificate of Achievement.

### Recommended Courses

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ADJUS 22</td>
<td>Concepts of Criminal Law</td>
<td>(3)</td>
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<tr>
<td>BUS 1A</td>
<td>Financial Accounting</td>
<td>(4)</td>
</tr>
<tr>
<td>ENGL 5</td>
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<td>(3)</td>
</tr>
<tr>
<td>PHIL 1</td>
<td>Introduction to Philosophy</td>
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<td>POSCI 1</td>
<td>Government and Politics in the United States</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Major Requirements** 27 - 28

**Total Units** 60-61

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**Note:** To qualify for the Paralegal Studies Associate in Arts degree, students must satisfactorily complete the major requirements specified above and the local AA/AS general education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS general education requirements.
PROGRAMS

PARALEGAL STUDIES
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
There is a growing need for trained paralegals who know substantive law and administrative procedures required by the law and the court systems. The paralegal performs various legal tasks under the supervision of attorneys, including conducting legal research and drafting legal documents. Paralegals provide staff support for attorneys in a law office or in a legal setting. Many of these tasks are done by attorneys; however, under the law, they could be provided by paralegals under the supervision of an attorney.

A Certificate of Achievement will be awarded upon satisfactory completion of the major course requirements.

CAREER OPPORTUNITIES
This program leads to career opportunities as a paralegal.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Draft various legal documents including motions, complaints, answers, discovery requests, declarations, legal forms, and other legal documents.
2. Conduct legal research using online research methods, such as Lexis and the Internet, as well as legal books.
3. Perform effective legal analysis and communicate effectively through oral communication and written documents.
4. Communicate effectively with attorneys, clients, and other persons, including but not limited to effectively interviewing clients and witnesses.
5. Assist attorneys in and demonstrate knowledge of particular areas of law, including criminal law, tort law, family law, business law and estate planning, and probate procedures.
### PROGRAM REQUIREMENTS

#### PARALEGAL STUDIES

#### CERTIFICATE OF ACHIEVEMENT

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** Maximum of 3 units can be applied to the Certificate of Achievement.

| Total Units | 27-28 |
PARALEGAL STUDIES

PARLG 1
LAW AND THE LEGAL PROFESSION
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU

Introduction to basic legal concepts, structure, and procedures of the American court system: Examination of theories and sources of the law, including torts, contracts, criminal and constitutional law; emphasis on the practical role of the paralegal within the legal system. 1402.00

PARLG 4
LAW OFFICE MANAGEMENT
2 units, 2 hours lecture (GR)
Acceptable for credit: CSU

Operation and organization of a law office: Structure, procedures, systems, organizational theory, personnel administration, and law office equipment. 1402.00

PARLG 6
LEGAL RESEARCH
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU

Legal research tools and materials: Law library, computerized legal research techniques, locating and utilizing source of state and federal law, public records; organization and management of law office library; preparation of legal bibliography; citation form and cite checking; preparation of legal memoranda, and other written assignments in conjunction with legal research problems. 1402.00

PARLG 8
INTRODUCTION TO CIVIL PROCEDURE AND LITIGATION PRACTICE
3 units, 3 hours lecture (GR)
Prerequisite: PARLG 1 and PARLG 6
Acceptable for credit: CSU

California and federal rules of civil procedure, and litigation practice from the beginning of the lawsuit through the end of a lawsuit: Initial pleadings, responsive pleadings, motions, discovery requests, pretrial, trial and post-trial practice, and settlement. 1402.00

PARLG 9
INTRODUCTION TO TORT LAW
3 units, 3 hours lecture (GR)
Prerequisite: PARLG 1 and PARLG 6
Acceptable for credit: CSU

Analysis and examination of tort law: Negligence, intentional torts, strict liability, product liability, defamation and other torts; and analysis of the facts of a particular client's case to determine whether they have a valid case/cause of action. 1402.00

PARLG 10
FAMILY LAW
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU

California family law: Dissolutions/divorces, legal separations, adoptions, paternity, termination of parental rights, spousal support, child support, child custody, and other interspousal rights and obligations. 1402.00

PARLG 11
ADVANCED LEGAL RESEARCH AND WRITING
3 units, 2 hours lecture, 3 hours laboratory (GR)
Prerequisite: PARLG 1 and PARLG 6
Acceptable for credit: CSU

Systematic approach to learning legal problem analysis and organization for written and oral communication: Drafting legal documents and letters and developing listening skills and interviewing techniques. 1402.00

PARLG 12
ESTATE PLANNING AND PROBATE PROCEDURES
3 units, 3 hours lecture (GR)
Prerequisite: PARLG 1 and PARLG 6
Acceptable for credit: CSU

Wills, trusts, probate procedure, and estate administration: Purpose and need for a will; the distinction between wills and trusts; process and procedure of estate administration; duties of personal representative, including drafting and identifying all forms required for probate and estate administration. 1402.00

PARLG 15
CRIMINAL LAW
3 units, 3 hours lecture (GR)
Prerequisite: PARLG 1 and PARLG 6
Acceptable for credit: CSU

Analysis and examination of criminal law and criminal procedure: Elements of crimes; crimes against the person; crimes against property; crimes against the public; defenses to crimes, searches, seizures, arrests, interrogation; pretrial practice; trial; sentencing; and appeals. 1402.00

PARLG 16
SEMINAR IN PARALEGAL STUDIES INTERNSHIP
1 unit, 1 hour lecture (GR or P/NP)
Prerequisite: PARLG 6
Corequisite: COPED 474A and PARLG 8 and PARLG 11
Recommended preparation: PARLG 1
Acceptable for credit: CSU

Study of the specific competencies required of the student in the Paralegal Studies Internship program: Assessment, development, practicum, and evaluation of individual skills in a paralegal setting. Course accompanies COPED 474A, Occupational Work Experience in Paralegal Studies, and provides students with the additional tools needed to have a successful and productive internship experience. 1402.00

PARLG 49
INDEPENDENT STUDY IN PARALEGAL STUDIES
.5-5 units (GR or P/NP)
Acceptable for credit: CSU

See section on Independent Study. 1402.00
The goal of the Philosophy Department is to familiarize students with the study of fundamental questions that arise from different areas of human experience through an integrated approach. The Philosophy discipline encompasses such areas as religion and history, as well as expression, such as painting, sculpture, architecture, photography, film, the performing arts, music, theater, dance, poetry and prose. Career options include teaching, counseling, law, work within a hospital or business ethics organization, politics and political activism, and computer science.

**PHILOSOPHY (PHIL)**

**PHILOSOPHY (PHIL) COURSES**

**PHIL 1**
INTRODUCTION TO PHILOSOPHY
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Study of selected classic examples of original works of philosophers: Literature of the discipline and analytical methods, aims, goals, and types of problems peculiar to philosophers and philosophical inquiry; metaphysics, epistemology, valuing and axiology, aesthetics, and religion. 1509.00
AA/AS area 3; CSU area C2; IGETC area 3B
C-ID: PHIL 100

**PHIL 2**
SOCIAL AND POLITICAL PHILOSOPHY
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Focus on classic examples of social and political philosophy in Western civilization: Original writings by classic Greeks (Plato and Aristotle), Americans (Hamilton, Madison, and Jefferson), modern Europeans (Marx and Mill), and appropriate contemporary philosophers. 1509.00
AA/AS area 3; CSU area C2; IGETC area 3B

**PHIL 10**
LOGIC
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Consideration of logical problems of language: Deduction and induction, fallacies, theory of argument and the scientific method, and study of correct reasoning in Aristotelian and modern logic. 1509.00
AA/AS area 3; CSU area A3, C2

**PHIL 49**
INDEPENDENT STUDY IN PHILOSOPHY
.5-5 units (GR or P/NP)
Acceptable for credit: CSU

See section on Independent Study. 1509.00
The Physics Department offers lower-division college physics courses for students planning to transfer to four-year colleges or to apply to professional certificate programs in the various fields of allied health.

### COURSES

**PHYSICS**

**PHYS 2A**
**GENERAL PHYSICS**
5 units, 4 hours lecture, 3 hours laboratory (GR)
Prerequisite: MATH 50 or MATH 52C
Acceptable for credit: CSU, UC

Comprehensive study of general physics: Mechanics, properties of matter, thermodynamics, heat, wave motion, and sound. 1902.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C

**PHYS 2B**
**GENERAL PHYSICS**
5 units, 4 hours lecture, 3 hours laboratory (GR)
Prerequisite: PHYS 2A
Acceptable for credit: CSU, UC

Comprehensive study of general physics: Light, optics, electricity, magnetism, atomic physics, and modern physics. 1902.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C

**PHYS 4A**
**GENERAL PHYSICS WITH CALCULUS**
5 units, 4 hours lecture, 3 hours laboratory (GR)
Prerequisite: MATH 3A and
Prerequisite or Corequisite: MATH 3B
Recommended Preparation: PHYS 10
Acceptable for credit: CSU, UC

Comprehensive study of major topics of physics: Motion, forces, gravity, energy, momentum, rotation, equilibrium, fluids, oscillations, waves, and sound. 1902.00
AA/AS area 1; CSU area B1, B3, B4; IGETC area 5A, 5C
C-ID: PHYS 205

**PHYS 4B**
**GENERAL PHYSICS WITH CALCULUS**
5 units, 4 hours lecture, 3 hours laboratory (GR)
Prerequisite: PHYS 4A and MATH 3B and
Prerequisite or Corequisite: MATH 3C
Acceptable for credit: CSU, UC

Comprehensive study of major topics of physics: Thermodynamics, electric forces and fields, magnetic forces and fields, electricity, and AC and DC circuits. 1902.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C
C-ID: PHYS 210

**PHYS 4C**
**GENERAL PHYSICS WITH CALCULUS**
5 units, 4 hours lecture, 3 hours laboratory (GR)
Prerequisite: PHYS 4B and MATH 3C and
Prerequisite or Corequisite: MATH 3E and MATH 3F
Acceptable for credit: CSU, UC

Comprehensive study of major topics of physics: Light, interference, relativity, quantum physics, atoms, molecules, and nuclei. 1902.00
AA/AS area 1; CSU area B1, B3, B4; IGETC area 5A, 5C
C-ID: PHYS 215

**PHYS 10**
**INTRODUCTION TO PHYSICS**
4 units, 4 hours lecture (GR)
Recommended Preparation: MATH 201 or MATH 202 or MATH 210D
Not open for credit to students who have completed or are currently enrolled in PHYS 2A-2B, 3A-3B, or 4A-4B-4C.
Acceptable for credit: CSU, UC

Elementary study of major topics of physics: Motion, forces, gravity, matter, energy, momentum, rotation, oscillation, sound, heat, thermodynamics, electromagnetism, light, quantum physics, atoms, nuclei, and relativity. 1902.00
AA/AS area 1; CSU area B1; IGETC area 5A

**PHYS 20A**
**CALCULUS SUPPLEMENT FOR PHYSICS**
1 unit, 1 hour lecture (GR or P/NP)
Prerequisite: Math 50 or MATH 52C
Corequisite: PHYS 2A or PHYS 4A
Acceptable for credit: CSU, UC

Calculus supplement to the mathematical tools of physics employed in PHYS 2A or PHYS 4A: Introduction to limits, derivatives, and anti-derivatives applied to one, two, and three-dimensional kinematics; maxima and minima; force formulated as the time derivative of momentum; integrals applied to finding centers of mass; rotational kinematics using derivatives and integrals; calculating moment of inertia; solving oscillatory systems with differential equations; integrations in hydrostatic systems, center of pressure, thermodynamic integrals and useful work. 1902.00

**PHYS 49**
**INDEPENDENT STUDY IN PHYSICS**
.5-5 units (GR)
Acceptable for credit: CSU

See section on Independent Study. 1902.00
Political Science provides an understanding of political concepts and the organization and functioning of political systems and provides students with the skills and abilities to understand political theories. Political Science enables students to become responsible and effective participants in political communities at local, state, or national levels. Students develop the skills to participate actively and effectively in the process of community building.

Career opportunities include work in local, state, federal and international government; legal, diplomatic and humanitarian professions, business; and in education.

**COURSES**

**POLITICAL SCIENCE**

**POSCI 1**
**GOVERNMENT AND POLITICS IN THE UNITED STATES**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Introduction to principles and the political process of national, state, and local government: Emphasis on national government and the Constitution. 2207.00
AA/AS area 2; CSU area D; IGETC area 4H; CSU American Institutions, Group 2, 3
C-ID: POLS 110

**POSCI 2**
**COMPARATIVE GOVERNMENT**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Comparative analysis in government and politics: Political leadership, citizenship participation, centers of power, and political problems of selected governments. 2207.00
AA/AS area 2; CSU area D; IGETC area 4H

**POSCI 3**
**INTERNATIONAL RELATIONS**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Nature of relations among nation-states: Analysis of basic forces affecting the formulation of foreign policy, dynamics of international politics, survey of rise and development of the nation-state system, problems of nationalism and imperialism with emphasis on development since World War II, and evolution and operation of the United Nations. 2207.00
AA/AS area 2; CSU area D; IGETC area 4H

**POSCI 4**
**POLITICAL THEORY**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Examination of various theoretical approaches to politics and of basic political problems and proposed solutions: Analysis of selected political theories and ideologies, relevance of theory to contemporary problems, and new approaches to political thought. 2207.00

**POSCI 5**
**AMERICAN POLITICS AND MINORITY GROUPS**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Role and experience of ethnic groups in the American political system: Expression and resolution of political conflicts, contemporary political experiences, problems of selected ethnic groups, proposed solutions to these problems, and practical political techniques for the achievement of such solutions. 2207.00
AA/AS area 2, 5; CSU area D; IGETC area 4C; CSU American Institutions, Group 2
The Psychology Program offers an Associate in Arts for Transfer degree, with courses that emphasize the perspectives, concepts, theories and methodologies found in the disciplines that comprise study in the Social and Behavioral Sciences. Students study about themselves and others as members of a larger society. Topics of discussion stimulate critical thinking about the ways people act in response to societies. Students also evaluate how societies and social subgroups operate.

Merritt College offers the following degree program in Psychology:

**PSYCHOLOGY**

- ASSOCIATE IN ARTS IN PSYCHOLOGY FOR TRANSFER (AA-T) DEGREE
DESCRIPTION
The Associate in Arts in Psychology for Transfer (AA-T) degree is intended to meet the lower division requirements for Psychology majors (or majors that have been deemed similar in the CSU system). A study of psychology is built upon the scientific study of the biological, mental processes, and environmental factors that influence human behavior. Students pursuing the AA-T into the psychology major will study the development of the person, basic processes of human perception, learning, cognition and motivation; biological processes, personality and the nature of psychological disorders and how psychologists use their knowledge to help improve the quality of people's lives.

Successful completion of the program with a minimum G.P.A. of 2.0 affords students specific guarantees for transfer to the CSU system such as admission to a CSU with junior status, priority admission to their local CSU campus and to a program or major in Psychology or similar major. Students interested in the Associate in Arts in Psychology for Transfer should consult with the Social Sciences Department Chair and a counselor.

All Associate Degrees for Transfer (ADT) require the completion and certification of the California State University General Education Pattern (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern, as well as the specific ADT major degree requirements. Associate Degrees for Transfer do not require any additional college specific General Education requirements.

As required by Senate Bill (SB) 1440 (Padilla) and California Education Code (CEC) section 66746(a), Associate Degrees for Transfer require:

1. Completion of 60 semester units or 90 quarter units eligible for transfer to the California State University, including both of the following:
   a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU-GE).
   a. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. It should be noted that title 5 section 55063 also requires that students must earn a C or better in all courses required for the major or area emphasis. In addition, CEC section 66746 subdivision b. prohibits a community college district from imposing any additional course requirements, in addition to these requirements, for a student to be eligible for the associate degree for transfer, and subdivision (e) prohibits allowing remedial non-collegiate level coursework to be counted toward the units required for the associate degree for transfer (AA-T or AS-T). Title 5 section 55002(b) describes such courses as nondegree applicable credit courses.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Communicate with clarity and precision using oral, nonverbal, and/or written language, regarding the theoretical, research, knowledge base and applied practice of the field of psychology
2. Show understanding of how the brain and body are related to the psychological functioning of the individual.
3. Apply their knowledge of psychology to understanding and supporting the psychological development of multicultural populations.
## PROGRAMS

### PSYCHOLOGY

#### ASSOCIATE IN ARTS IN PSYCHOLOGY FOR TRANSFER (AA-T) DEGREE

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<th>Subject #</th>
<th>Title</th>
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<td><strong>Major Core Courses</strong></td>
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<tr>
<td>PSYCH 1A</td>
<td>Introduction to General Psychology</td>
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<td>PSYCH 28</td>
<td>Introduction to Research Methods in Psychology</td>
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<td>MATH 13</td>
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<td><strong>Group C</strong></td>
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<tr>
<td>PSYCH 10</td>
<td>Psychology and Life: Basic Principles</td>
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<td>PSYCH 12</td>
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<td>PSYCH 31</td>
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<td>PSYCH 33</td>
<td>Personal and Social Adjustment</td>
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**Major Requirements** 19-20

**Units that may be double-counted** 12-19

**General Education (CSU GE or IGETC)** 37-39

**Electives (CSU Transferable)** 13-21

**Total Units** 60
PSYCHOLOGY

COURSES

PSYCH 1A
INTRODUCTION TO GENERAL PSYCHOLOGY
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Scientific principles of psychology: Application of scientific research in understanding learning, human development, biological processes, personality, behavior disorders, social psychology, and adjustment of the human organism. 2001.00
AA/AS area 2; CSU area D; IGETC area 4I
C-ID: PSY 110

PSYCH 3
INTRODUCTION TO PERSONALITY THEORY
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC

Classical and contemporary personality theories: Theorists from each of the major forces in psychology: Psychoanalytical (Freud, Jung, Adler), behavioral (Skinner, Bandura), and humanistic (Maslow, Rogers). 2001.00
AA/AS area 2; CSU area D; IGETC area 4I

PSYCH 6
SOCIAL PSYCHOLOGY
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Psychological aspects of human social life involved in the relationship between identity and social structure: Human behavior in the context of the individual as an acting and interacting member of various groups in society. 2001.00
AA/AS area 2; CSU area D; IGETC area 4I
C-ID: PSY 170

PSYCH 10
PSYCHOLOGY AND LIFE: BASIC PRINCIPLES
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC

Basic principles of psychology and recent research developments: Contemporary psychological issues pertaining to individuals and their interactions. 2001.00 AA/AS area 2; CSU area D; IGETC area 4

PSYCH 12
HUMAN SEXUALITY
3 units, 3 hours lecture (GR or P/NP)
Also offered as BIOL 27 and HLTED 27. Not open for credit to students who have completed or are currently enrolled in BIOL 27 or HLTED 27.
Acceptable for credit: CSU, UC

Exploration and analysis of the multifaceted aspects of human sexuality: Physiological, psychological, anatomical, sociological, legal, medical, educational, cultural; urogenital system of both sexes, birth control devices, and pregnancy. 2001.00
AA/AS area 2; CSU area D, E; IGETC area 4G
C-ID: PSY 130

PSYCH 19
CIVILIZATION’S IMPACT ON THE ENVIRONMENT:
PSYCHOLOGY OF TRASHING THE EARTH
3 units, 3 hours lecture (GR or P/NP)
Also offered as ENVMT 19. Not open for credit to students who have completed or are currently enrolled in ENVMT 19
Acceptable for credit: CSU, UC

Introduction to civilization’s impact on the environment: Connections between human psychosocial development and the creation of both environmental problems and their solutions, and human communities and their niche within and relative balance with the environment in past millennia; the human psyche, its origins in nature, and its influence on the story of life on earth; exploration of the opportunities and obstacles to planning a sustainable future. 2001.00
AA/AS area 2; CSU area D; IGETC area 4G

PSYCH 24
ABNORMAL PSYCHOLOGY
3 units, 3 hours lecture (GR)
Prerequisite: PSYCH 1A
Acceptable for credit: CSU, UC

Survey of the major psychological disorders: Historical perspectives of various theoretical models (biological, psychodynamic, behavioral, cognitive, humanistic, existential, socio-cultural); review of research for understanding of origins and most promising treatments. 2001.00
AA/AS area 2; CSU area D; IGETC area 4I
C-ID: PSY 120

PSYCH 28
INTRODUCTION TO RESEARCH METHODS IN PSYCHOLOGY
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: MATH 13 and PSYCH 1A
Acceptable for credit: CSU, UC

Introduction to research methods for psychology: Research design, experimental procedures; descriptive methods, instrumentation, collection, analysis, and reporting of research data, review of research design and methodology in various sub-disciplines of psychology. 2001.00
AA/AS area 2; CSU area D; IGETC area 4I
C-ID: PSY 200
**PSYCH 31**  
**LATINO PSYCHOLOGY**  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU, UC  

Introduction to understanding the psychology of Latinos/as in the United States: Study of biological, psychological, environmental, and cultural factors that impact and shape the behavior of Latino groups living in the U.S.  
2001.00  
AA/AS area 2; CSU area D; IGETC area 4C, 4I

**PSYCH 33**  
**PERSONAL AND SOCIAL ADJUSTMENT**  
3 units, 3 hours lecture (GR)  
Acceptable for credit: CSU, UC  

Dynamics of personal and social developments and related determinants.  
2001.00  
AA/AS area 2; CSU area D; IGETC area 4I

**PSYCH 49**  
**INDEPENDENT STUDY IN PSYCHOLOGY**  
.5-5 units (GR or P/NP)  
Acceptable for credit: CSU  

See section on Independent Study.  
2001.00
Merritt College offers the following degree program in Radiologic Science:

**RADIOLOGIC SCIENCE**
- ASSOCIATE IN SCIENCE (AS) DEGREE
- CERTIFICATE OF ACHIEVEMENT

**GENERAL INFORMATION**
The purpose of the Radiologic Science Program at Merritt College is to prepare qualified practitioners for competency in the art and science of diagnostic medical imaging. Radiologic Technologists manipulate sophisticated technical equipment and computers to obtain detailed images of the human body. These images assist physicians in the diagnosis of injury and disease in the clinical environment.

The goals of the program are:
1. Students will be clinically competent.
2. Students will demonstrate effective communication skills.
3. Students will develop critical thinking and problem solving skills.
4. Students will demonstrate professionalism.

The curriculum includes a clinical practicum at various East Bay hospitals. This is a continuous program for the duration of 24 months. Students applying to the program must be prepared to make a full-time commitment (approximately 36 hours per week during daytime hours) for two full years, including summers. Upon successful completion of the required courses in the Radiologic Science Certificate of Achievement and ASSOCIATE IN Science Degree requirements (or equivalent), the student is eligible to take the American Registry of Radiologic Technologists examination required for certification and practice in the state of California.

Upon successful completion of the program and obtaining California certification, graduates will qualify for employment as Radiologic Technologists performing a wide variety of patient radiographic procedures in hospitals, clinics, and medical offices and imaging centers.

The program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182 (www.jrcert.org), and regulated by the California Department of Public Health, Radiologic Health Branch, MS 7610, PO Box 997414, Sacramento, CA 95899-7414.
APPLICATION PROCESS

Enrollment in the Program:
Enrollment in the program is every year in the Fall semester, by special application directly to the Radiologic Science Program. The application period is EVERY OTHER YEAR (even-numbered years) between January 15 and April 15. All courses used for consideration for enrollment in the program must be completed before the application deadline date. All supporting documents must be received no later than April 15 of the application year. Please be advised that due to the number of applications received by the program, qualified students generally remain on a wait list for 2-3 years before entry into the program.

A. Eligibility Requirements:
1. Completion of high school or GED test or equivalent (must provide proof).
2. Completion of all prerequisite courses prior to application with a “C” grade or better for each course and an overall GPA of 2.5 or better (for prerequisite courses only).
3. Prerequisite courses must be current within 7 years.
4. Currency for old Math courses may be established by taking the Math Assessment Test (available through the Merritt College Counseling department). A copy of the assessment test scores must be submitted with the application packet, if pertinent.
5. Completion of all General Education requirements for the Associate degree. Students with prior Associate degrees or higher meet this requirement. Due to the high volume of program applicants, students who have not met this requirement will not be enrolled in the program nor placed on the wait list.
6. Completion of all prerequisite courses prior to application with a “C” grade or better for each course and an overall GPA of 2.5 or better (for prerequisite courses only).
7. Students must obtain medical clearance (at their own expense) and show proof of immunity to hepatitis, diphtheria, tetanus, polio, rubella, rubella, mumps, and chicken pox before enrolling in the program. A negative Tuberculosis screen (PPD skin test or chest X-ray) is also required.
8. Students must obtain a drug screen and background check (at their own expense) prior to enrolling in the program. Students with a history of illegal substance abuse and/or felony convictions, including abuse or fraud, may be excluded from participating in clinical education and from taking the ARRT licensing examination. Other types of offenses may also result in exclusion from clinical education (at the discretion of the clinical affiliate) and/or the licensing examination. Students with such histories are required to complete a pre-application review with the American Registry of Radiologic Technologists (www.arrt.org, 651-687-0048 ext. 580). Students who are unable to obtain a provisional clearance with the ARRT will not be permitted to enter the program.

B. Application Procedures (Between January 15 and April 15 every other year [even-numbered years]):
After completion of the Prerequisite courses and General Education courses, applicants shall:
1. Request two official sets and one unofficial set of transcripts from all colleges attended outside of the Peralta Community College District. One set of unofficial transcripts from colleges within the Peralta Community College District are sufficient. One official set of non-Peralta transcripts should be sent directly to the Peralta Community College District Admissions and Records Office, 333 East 8th St., Oakland, CA 94606. Order two official sets and one unofficial set to be sent directly to you. Two official sets from each college must remain sealed to be submitted to the Radiologic Science program along with the application packet. The unofficial set is for review by the enrollment evaluator and the Counseling Department at Merritt College and may be opened and reviewed by the student. Transcripts sent directly to the Merritt College Radiologic Science program without accompanying application materials will not be retained.
2. Request one set of high school transcripts or provide proof of high school completion (a copy of the diploma or GED certificate, or equivalent). This document must be submitted with the application packet; no exceptions made.
3. Schedule an appointment during the application period (between January 15th and April 15th) with the Radiologic Science enrollment evaluator (see the Allied Health secretary in S343, or call (510) 436-2422) for verification of the prerequisite courses and a record of General Education courses completed. Upon verification, the evaluator will complete a “Permit to Apply” form and give you an application. The completed “Permit to Apply” form and General Education verification will be forwarded directly to the Radiologic Science Program by the evaluator. Applicants are responsible for submitting the application, proof of high-school completion or GED, and transcripts from all colleges attended. Application materials will not be considered for students who have unfinished prerequisite courses and/or have not completed ALL General Education requirements by the deadline date.
4. Submit the complete application packet directly to the Radiologic Science Program. A complete application packet consists of: The Permit to Apply, a record of General Education coursework completed (verified and delivered by the evaluator), the completed application, assessment test scores to validate Math classes more than seven (7) years old, proof of high-school graduation (or equivalent), and two official (unopened) sets of transcripts from each college attended (including colleges in the Peralta Community College District). The application packet may be hand-delivered to the Allied Health Office in D102 on the Merritt campus, or mailed to the Merritt College Radiologic Science Program, 12500 Campus Drive, Oakland, CA 94619. Incomplete application packets will not be considered.
C. CPR Certification/Medical Requirements:
After admission and prior to starting the program, the student shall provide proof of immunity to communicable diseases, medical screening, drug screening, background check, and current CPR (Basic Life Support for the Health Care Provider) certification. CPR and tuberculosis screening must be kept current throughout the length of the program.

Prerequisite Requirements:
Students must have completed the four prerequisite courses, with a grade of “C” or better on each course, before applying to the program. Additionally, the average GPA for the four prerequisites courses must be at least 2.5. All prerequisite courses must be current within seven (7) years. Old Math grades may be validated for currency by taking the Math Assessment test available by appointment through the Counseling Department.

The prerequisite courses include:
A. RADSC 1A, Survey of Radiologic Science: This course may not be waived for any reason. It must be taken at Merritt College to qualify.
B. MATH 203, Intermediate Algebra, or higher (equivalent course may be taken at other colleges): This course is required effective Fall 2009 unless the student has catalog rights to an earlier requirement. See section on “catalog rights” in the college catalog or see a counselor for more information.
C. Anatomy and Physiology: This must be a two-semester course sequence with a minimum of 8 units total and include a lab (equivalent courses may be taken at other colleges). At Merritt College there are two options that qualify:
D. BIOL 20A and BIOL 20B (Human Anatomy and Physiology) (5 units each, 10 units total), OR BIOL 2 (Human Anatomy) and BIOL 4 (Human Physiology) (5 units each, 10 units total).

Highly Recommended Preparation:
Computer Proficiency Expectations: Students entering the program are expected to demonstrate proficiency using Microsoft Word, email, PowerPoint presentation software, and navigating the Internet. Students who are not proficient should see Item No. 1 below in Additional Recommended Preparation.

Additional Recommended Preparation:
The following specific coursework and experiences are recommended as preparation for the program. While not required for enrollment, completing these courses prior to entering may increase the likelihood of successful program completion.

Coursework:
1. Introduction to Computer Information Systems (CIS 1 at Merritt College) or an equivalent course(s). The course or a combination of courses should result in proficiency in the use of Microsoft Word, PowerPoint presentation software, navigating the Internet, and e-mail.
2. Higher Mathematics (such as College Algebra, PreCalculus, or Calculus).
3. Physics such as Introduction to Physics, General Physics, or Physics of Radiation and/or Electromagnetism.
5. Professional or Business Communications.

Recommended coursework may satisfy some of the General Education requirements. Students should meet with a Merritt College counselor to plan accordingly.

Experiences:
1. Work experience (as an employee or volunteer) in a healthcare environment, preferably involving direct patient care.
2. Customer service experience (as an employee or volunteer) involving face-to-face contact and communication with the public.

Student Selection Process
In the likely event that the number of qualified applicants exceeds the available program slots, a lottery will be used as a means of student selection. Qualified applicants on the wait list from the previous year are given priority for the current year’s selection process. Detailed information regarding the status of the student selection process for a particular application period may be found on the Radiologic Science Program website and will be presented in the prerequisite course, RADSC 1A, Survey of Radiologic Science.

Depending on the number of clinical placements available at affiliate sites, the program accepts approximately 25 students per year. All applicants will be notified of acceptance status.
DESCRIPTION
The purpose of the Radiologic Science Associate in Science degree program at Merritt College is to prepare qualified practitioners in the art science of diagnostic medical imaging. Radiologic Technologists manipulate sophisticated technical equipment and computers to obtain detailed images of the human body. These images assist physicians in the diagnosis of injury and disease in the clinical environment.

Students participate in classroom instruction and clinical education in our affiliated hospitals throughout the East Bay. The Associate Degree will be awarded upon satisfactory completion of the General Education requirements, prerequisite requirements and the Associate Degree major requirements. Program graduates must take the American Registry of Radiologic Technologists' examination and obtain the California Department of Public Health Radiologic Technologist Certificate to qualify for employment in California.

CAREER OPPORTUNITIES
Career opportunities in Radiologic Technology include Radiologic Technologist (RT), Computed Tomography Technologist (CT Technologist), Mammography Technologist, Applications Specialist.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Produce diagnostic quality medical images in a competent, safe, and compassionate manner for all basic radiography examinations in a hospital work environment.
2. Communicate effectively with patients by taking appropriate histories, giving clear instructions, and providing information as needed.
3. Exercise critical thinking and problem solving skills by adapting radiologic procedures to individual patient needs and conditions.
4. Establish and maintain satisfactory professional relationships with other members of the health care team.
5. Function as an effective health care team member by providing services in a manner that complements those performed by other team members.
RADIOLOGIC SCIENCE
ASSOCIATE IN SCIENCE (AS) DEGREE

PROGRAM REQUIREMENTS

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<td><strong>Major Core Courses</strong></td>
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<td>RADSC 1B</td>
<td>Introduction to Medical Imaging</td>
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**PROGRAMS**

**RADIOLOGIC SCIENCE**

**ASSOCIATE IN SCIENCE (AS) DEGREE**

**RECOMMENDED TWO-YEAR COURSE SEQUENCE**

Students can use the following pattern to complete an Associate in Science in Radiologic Science degree. This is only one possible pattern. It maps a sequence of courses to help students complete their degree, regardless of the semester they begin class. This map does not replace consulting with a counselor. Students are advised to meet with a counselor at least once each semester to develop their individual Student Education Plan (SEP) and plan for their educational goals.

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RADIOLOGIC SCIENCE
CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
The Radiologic Science Certificate of Achievement is available to those who have already earned an Associate Degree or higher upon application to the program. The purpose of the Radiologic Science Program at Merritt College is to prepare qualified practitioners for competency in the art science of diagnostic medical imaging. Radiologic Technologists manipulate sophisticated technical equipment and computers to obtain detailed images of the human body. These images assist physicians in the diagnosis of injury and disease in the clinical environment.

Students participate in classroom instruction and clinical education in our affiliated hospitals throughout the East Bay. The Certificate will be awarded upon satisfactory completion of the prerequisite requirements and the certificate major requirements. Program graduates must take the American Registry of Radiologic Technologists’ examination and obtain the California Department of Public Health Radiologic Technologist Certificate to qualify for employment in California.

CAREER OPPORTUNITIES
Career opportunities in Radiologic Technology include Radiologic Technologist (RT), Computed Tomography Technologist (CT Technologist), Mammography Technologist, and Applications Specialist.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Produce diagnostic quality medical images in a competent, safe, and compassionate manner for all basic radiography examinations in a hospital work environment.
2. Communicate effectively with patients by taking appropriate histories, giving clear instructions, and providing information as needed.
3. Exercise critical thinking and problem solving skills by adapting radiologic procedures to individual patient needs and conditions.
4. Establish and maintain satisfactory professional relationships with other members of the health care team.
5. Function as an effective health care team member by providing services in a manner that complements those performed by other team members.
**RADIOLOGIC SCIENCE (RADSC)**

**PROGRAM REQUIREMENTS**

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**Total Units** 71
RECOMMENDED TWO-YEAR COURSE SEQUENCE

Students can use the following pattern to complete a Certificate of Achievement in Radiologic Science. This is only one possible pattern. It maps a sequence of courses to help students complete their certificate, regardless of the semester they begin class. This map does not replace consulting with a counselor. Students are advised to meet with a counselor at least once each semester to develop their individual Student Education Plan (SEP) and plan for their educational goals.

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RADIOLOGIC SCIENCE

RADSC 1A
SURVEY OF RADIOLOGIC SCIENCE
1.5 units, 1.5 hours lecture (GR)
Acceptable for credit: CSU

Exploration of educational/career options in diagnostic radiologic science: Policy for program entry, the job functions of a radiologic technologist and observations in a clinical setting; introduction to medical terminology, radiographic examinations, basic radiation safety principles, standard precautions, patient care, ethics and medical-legal issues, and advanced specialty modalities. Covers both positive and negative aspects of the field regarding the pursuit of a career in this area. 1225.00

RADSC 1B
INTRODUCTION TO MEDICAL IMAGING
2 units, 2 hours lecture (GR)
Prerequisite: RADSC 1A
Acceptable for credit: CSU

Overview of allied health professions with specific attention to the medical imaging technologist: Allied health education, ethical behavior, medical-legal issues and liabilities, interpersonal communications, radiation safety, and preparation for clinical experience. 1225.00

RADSC 1C
INTRODUCTION TO MEDICAL IMAGING CLINIC
2.5 units, 12 hours laboratory (GR)
Prerequisite: RADSC 1B (taken first during same term as RADSC 1C) and Health clearances: physical examination, and recent negative TB (PPD) skin test or chest X-ray test results, and recent immunization against diphtheria, tetanus, polio, rubella, rubella, mumps, and chicken pox (varicella); and drug screen and background check. Acceptable for credit: CSU

Introduction to the clinical environment (carried out in an affiliated hospital): Emphasis on patient care and positioning; orientation to the hospital and radiology department, radiography processing area, quality assurance, equipment operation, department safety, and radiographic procedures. 1225.00

RADSC 2A
RADIOGRAPHIC PHYSICS I
2 units, 1.5 hours lecture, 2 hours laboratory (GR)
Prerequisite: MATH 201 or MATH 210D
Recommended preparation: CIS 1 and ENGL 1A
Acceptable for credit: CSU

Introduction to principles of radiographic physics and radiographic quality factors: X-ray imaging systems, X-ray tube characteristics, X-ray beam production and X-ray emission; X-ray interaction with matter, basic control panel elements, and grids. Emphasis is placed on radiographic image quality, scatter radiation and basic imaging factors that include: patient position, tube position, distance, grid ratio and exposure factors. 1225.00

RADSC 2B
RADIOGRAPHIC PHYSICS II
4 units, 3 hours lecture, 4 hours laboratory (GR)
Prerequisite: RADSC 2A
Acceptable for credit: CSU

Continuation of RADSC 2A: Radiographic quality factors, radiologic quantities and units, structure of matter, electromagnetic energy, magnetism, electricity, electromagnetism: x-ray imaging system, circuitry, x-ray tube, x-ray production, x-ray emission spectrum, and x-ray interactions with matter. 1225.00

RADSC 2C
DIGITAL APPLICATIONS IN MEDICAL IMAGING
4 units, 3 hours lecture, 4 hours laboratory (GR)
Prerequisite: RADSC 2B
Corequisite: RADSC 9C
Acceptable for credit: CSU

Continuation of RADSC 2B: Technology applicable to specialized operation of computed/digital radiography and fluoroscopy, picture archiving and communication and radiology information systems; hands-on applications of software packages used to simulate job skills needed in a hospital clinical environment. 1225.00

RADSC 3A
POSITIONING I
4 units, 3 hours lecture, 4 hours laboratory (GR)
Prerequisite: RADSC 1A; and BIOL 24, or BIOL 20A and BIOL 20B, or BIOL 2 and BIOL 4
Recommended preparation: CIS 1 and Healthcare and/or customer service work experience or business or professional communications courses; and medical terminology or HLTOC 201
Acceptable for credit: CSU

Terminology, accessory devices, and equipment used in radiographic procedures: Application of protective devices; anatomy review and positioning for examinations of the chest, abdomen, and upper and lower extremities to include the shoulder, bony thorax, and pelvis. 1225.00

RADSC 3B
POSITIONING II
4 units, 3 hours lecture, 4 hours laboratory (GR)
Prerequisite: RADSC 1B and RADSC 2A and RADSC 3A and RADSC 5A
Acceptable for credit: CSU

Continuation of RADSC 3A: Anatomy review and positioning for examinations of the biliary system, upper and lower gastrointestinal tracts, urinary system, spine, cranium, facial bones, and sinuses. 1225.00
RADSC 4A
RADIATION PROTECTION
2 units, 36 term hours lecture (GR)
Prerequisite: RADSC 2B and RADSC 3B and RADSC 9A
Acceptable for credit: CSU

Physics of ionizing radiation: Photon and particle interaction with living tissue, protective materials and barriers, state and federal regulations governing radiation and consumer protection, practical methods and principles used in producing optimum images while limiting patient exposure, instrumentation in detecting and monitoring radiation, and measurement of useful scatter radiation. 1225.00

RADSC 4B
RADIOBIOLOGY
2 units, 36 term hours lecture (GR)
Prerequisite: RADSC 2B and RADSC 3B and RADSC 9A
Acceptable for credit: CSU

Continuation of RADSC 4A focusing on a study of the effects of ionizing-radiation exposure on human and animal populations: Photon and particulate ionizing-radiation interactions with living tissue at the atomic, molecular, cellular, organic, and whole-body levels; physical and biologic factors affecting radiosensitivity; risk estimates/perspectives for patients subject to diagnostic and interventional radiology procedures and radiation therapy procedures; early and late radiation effects and acute radiation syndrome; and scientific basis for current radiation protection philosophies and regulations. 1225.00

RADSC 5A
PATIENT CARE I
2 units, 3 hours lecture, 1 hour laboratory (GR)
Prerequisite: BIOL 20A and BIOL 20B, or BIOL 2 and BIOL 4
Recommended preparation: ENGL 1A
Acceptable for credit: CSU

Ethical and interpersonal responsibilities of the health-team members: Theory and practice in assessing patient care, evaluation of radiographic orders, medical terminology related to all major body systems, medical asepsis, standard precautions techniques, and contrast preparation and administration techniques. 1225.00

RADSC 5B
PATIENT CARE II
3 units, 3 hours lecture (GR)
Prerequisite: RADSC 3B and RADSC 5A
Acceptable for credit: CSU

Advanced patient-care skills: Complex clinical problem-solving skills; cultural sensitivity; radiography and care for patients with central venous lines, chest tubes, endotracheal tubes, enteric tubes, and urinary catheters; medical emergencies in the radiology department; pharmacology; contrast media and associated hazards; venipuncture for contrast-media administration; special care needs for patients with chronic disabilities. 1225.00

RADSC 6
QUALITY MANAGEMENT/FLUOROSCOPY
2.5 units, 2 hours lecture, 2 hours laboratory (GR)
Prerequisite: RADSC 2C and RADSC 4A and RADSC 9C
Corequisite: RADSC 9D
Acceptable for credit: CSU

Quality management/fluoroscopy concepts: Equipment monitoring and maintenance programs for radiography, fluoroscopy and film processing; artifact causes and retake/repeat analysis programs; demonstrations and performance of quality assurance procedures in both radiographic and fluoroscopic areas emphasizing high quality patient care; and preparations for taking the California fluoroscopy permit examination. 1225.00

RADSC 7
ADVANCED IMAGING PROCEDURES
3 units, 3 hours lecture (GR)
Prerequisite: RADSC 2C and RADSC 5B and RADSC 9C
Acceptable for credit: CSU

Advanced imaging procedures and equipment: Conventional tomography, fluoroscopy, image recording systems, angiography, interventional procedures, computed tomography, magnetic resonance imaging, diagnostic medical sonography, and nuclear medicine; present and future medical imaging trends. 1225.00

RADSC 8
SECTIONAL ANATOMY AND RADIOGRAPHIC PATHOLOGY
4 units, 4 hours lecture (GR)
Prerequisite: RADSC 2C and RADSC 5B and RADSC 9C
Acceptable for credit: CSU

Systematic classification of disease: Signs and symptoms of common diseases, radiographic examination and treatment of diseases, application of plain and special imaging modalities in the diagnostic process utilizing sagittal, axial and coronal imaging planes of head, neck, spine, chest, abdominal and pelvic cavities and joints. Anatomic reference points, intersecting planes and medical terminology used to identify relationships of organs as well as pathological conditions. 1225.00

RADSC 9A
CLINICAL EXPERIENCE I
4 units, 16 hours laboratory (GR)
Acceptable for credit: CSU

Clinical practicum in a medical-imaging department of an affiliated clinical education center. 1225.00

RADSC 9B
CLINICAL EXPERIENCE II
4 units, 24 hours laboratory/week for 12 weeks (Summer only) (GR)
Prerequisite: RADSC 2B and RADSC 3B and RADSC 9A
Acceptable for credit: CSU

Continuation of RADSC 9A: Clinical practicum in a medical-imaging department of an affiliated clinical training center. 1225.00
RADSC 9C
CLINICAL EXPERIENCE III
6 units, 24 hours laboratory (GR)
Prerequisite: RADSC 4B and 9B and 10A
Acceptable for credit: CSU
Continuation of RADSC 9B: Advanced clinical practicum in a medical-imaging department of an affiliated clinical training center. 1225.00

RADSC 9D
CLINICAL EXPERIENCE IV
6 units, 24 hours laboratory (GR)
Prerequisite: RADSC 3B and RADSC 5B and RADSC 9C
Acceptable for credit: CSU
Continuation of RADSC 9C: Advanced clinical practicum in a medical-imaging department of an affiliated clinical training center. 1225.00

RADSC 9E
CLINICAL EXPERIENCE V
6 units, 36 hours laboratory/week for 12 weeks (Summer only) (GR)
Prerequisite: RADSC 9D
Acceptable for credit: CSU
Continuation of RADSC 9D: Advanced clinical practicum in a medical-imaging department of an affiliated clinical training center. 1225.00

RADSC 10A
SEMINAR
1.5 units, 1.5 hours lecture (GR)
Prerequisite: RADSC 2B and RADSC 3B and RADSC 9A
Acceptable for credit: CSU
Discussion and analysis of topics relevant to the radiologic sciences: Advanced skull and facial bone positioning, trauma radiography, innovative imaging procedures, special considerations for the pediatric patient, ethical case studies, advances in infection control, and new developments in the field including equipment and techniques. 1225.00

RADSC 10B
SEMINAR
1.5 units, 1.5 hours lecture (GR)
Prerequisite: RADSC 7 and RADSC 8
Acceptable for credit: CSU
Preparation for state licensing and national registry examinations: Assistance with job-interview skills and resume preparation, updates of CAL OSHA regulations, California and national radiologic health regulations regarding radiation/occupational safety and patient care; exploration of other topics, and problem solving related to patient care and medical imaging in clinical and community settings. 1225.00

RADSC 251
CLINICAL EXPERIENCE FOR THE RETURNING STUDENT (FIRST YEAR)
4 units, 16 hours laboratory (GR)
Prerequisite: RADSC 1B and background check, drug screening, and health clearances (physical examination, and recent negative TB (PPD) skin test or chest X-ray test results, and recent immunization against diphtheria, tetanus, polio, rubeola, rubella, mumps, and chicken pox (varicella]).
Non-degree applicable
Clinical practicum in medical imaging: Review of clinical skills for returning students. 1225.00

RADSC 252
CLINICAL EXPERIENCE FOR THE RETURNING STUDENT (SECOND YEAR)
4-6 units, 16-24 hours laboratory (GR)
Prerequisite: RADSC 1B and RADSC 2A and RADSC 3A and RADSC 5A and health clearances: physical examination, and recent negative TB (PPD) skin test or chest X-ray test results, and recent immunization against diphtheria, tetanus, polio, rubeola, rubella, mumps, and chicken pox (varicella)
Non-degree applicable
Advanced clinical practicum in a medical-imaging department of an affiliated clinical training center for the returning student. Recommended for students in the second year of the program. 1225.00
REAL ESTATE (RLEST) programs seek to promote skill development, to foster productive attitudes and behaviors, to reinforce positive ethical and social conduct, and to provide a successful program in Real Estate education for industry employment. The programs and courses provide opportunities to think critically, engage in analyzing workplace issues within the classroom setting, and promote the development of appreciation for diversity and cultural differences in the modern business world.

The Real Estate programs have been in existence since fall of 1982 and has survived the real estate market’s ups and downs. Course offerings are for beginners as well as advanced students who are seeking employment, to improve existing skills, and promotional opportunities. Upon completion of the program, students are eligible to work in the Real Estate field in the following capacities: Real Estate Agents and Brokers, Appraisers, Property Managers, Financiers, Land Developers, and Investors.

Merritt College offers the following degree and certificate programs in Real Estate:

REAL ESTATE
- ASSOCIATE IN ARTS (AA) DEGREE
- CERTIFICATE OF ACHIEVEMENT
REAL ESTATE
ASSOCIATE IN ARTS (AA) DEGREE

DESCRIPTION
The Real Estate Associate in Arts program provides excellent preparation for the broker’s or salesperson’s license and contributes to efficiency in many allied professions such as developers, appraisers, title officers, property managers, and mortgage brokers and bankers. In addition, the courses provide important information and training for professionals interested in investing in real estate, including those in government working with real property.

To qualify for the Associate in Arts in Real Estate degree, students must satisfactorily complete the Degree Major requirements specified below and the local AA/AS General Education requirements. See the Associate Degrees and Certificates section of this catalog for more information on the local AA/AS overall requirements and the local AA/AS General Education requirements.

CAREER OPPORTUNITIES
The study of real estate can lead to a career as a developer, appraiser, title officer, property manager, and mortgage broker/banker.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Demonstrate and apply an in-depth knowledge of California Real Estate principles and laws to successfully complete licensure requirements for sales licensee and broker.
2. Apply a basic knowledge of the fundamental concepts of real estate
3. Define the technical terminology involved in the real estate field.
4. Demonstrate the ability to communicate effectively and ethically with the principals involved in a real property transaction
5. Interpret and apply California real estate laws to a variety of real property transactions

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RLEST 2A</td>
<td>Principles of Real Estate</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 4A</td>
<td>Legal Aspects of Real Estate</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 5</td>
<td>Real Estate Practice</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 6A</td>
<td>Real Estate Finance - Residential</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 7A</td>
<td>Real Estate Appraisal</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 9</td>
<td>Real Estate Economics</td>
<td>3</td>
</tr>
<tr>
<td><strong>Major Elective Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group A</td>
<td>Select two courses for 6 units from the following:</td>
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</tr>
<tr>
<td>RLEST 3</td>
<td>Real Estate Brokerage Management</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 6B</td>
<td>Advanced Real Estate Finance - Commercial</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 8</td>
<td>Property Management</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 10</td>
<td>Real Estate Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 11</td>
<td>Real Estate Escrow Procedures</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 14</td>
<td>Real Estate Investments</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 20</td>
<td>Computer Applications in Real Estate</td>
<td>3</td>
</tr>
</tbody>
</table>

**Major Requirements** 24

| Total Units | 60 |
REAL ESTATE CERTIFICATE OF ACHIEVEMENT

DESCRIPTION
The Real Estate Certificate of Achievement program provides excellent preparation for the broker's or salesperson's license and contributes to efficiency in many allied professions such as developers, appraisers, title officers, property managers, and mortgage brokers and bankers. In addition, the courses provide important information and training for professionals interested in investing in real estate including those in government working with real property.

The Certificate of Achievement in Real Estate will be awarded upon satisfactory completion of the major course requirements.

CAREER OPPORTUNITIES
The study of real estate can lead to a career as a developer, appraiser, title officer, property manager, and mortgage broker/banker.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Demonstrate and apply an in-depth knowledge of California Real Estate principles and laws to successfully complete licensure requirements for sales licensee and broker.
2. Apply a basic knowledge of the fundamental concepts of real estate
3. Define the technical terminology involved in the real estate field.
4. Demonstrate the ability to communicate effectively and ethically with the principals involved in a real property transaction
5. Interpret and apply California real estate laws to a variety of real property transactions

PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RLEST 2A</td>
<td>Principles of Real Estate</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 4A</td>
<td>Legal Aspects of Real Estate</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 5</td>
<td>Real Estate Practice</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 6A</td>
<td>Real Estate Finance - Residential</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 7A</td>
<td>Real Estate Appraisal</td>
<td>3</td>
</tr>
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<td>Real Estate Economics</td>
<td>3</td>
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<tr>
<td><strong>Major Elective Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Group A</strong></td>
<td>Select two courses for 6 units from the following:</td>
<td></td>
</tr>
<tr>
<td>RLEST 3</td>
<td>Real Estate Brokerage Management</td>
<td>3</td>
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<tr>
<td>RLEST 6B</td>
<td>Advanced Real Estate Finance - Commercial</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 8</td>
<td>Property Management</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 10</td>
<td>Real Estate Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 11</td>
<td>Real Estate Escrow Procedures</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 14</td>
<td>Real Estate Investments</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 20</td>
<td>Computer Applications in Real Estate</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
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<td></td>
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### REAL ESTATE

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
<th>Lecture</th>
<th>Credit Acceptable</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>RLEST 2A</td>
<td>Principles of Real Estate</td>
<td>3</td>
<td>3</td>
<td>GR or P/NP</td>
<td>Required for those preparing for the real estate salesperson's licensing examination. Acceptable for credit: CSU. Basic laws and principles of California real estate: Provides understanding, background, and terminology necessary for advanced study in specialized courses; preparation for the real estate salesperson's licensing examination. 0511.00</td>
</tr>
<tr>
<td>RLEST 3</td>
<td>Real Estate Brokerage Management</td>
<td>3</td>
<td>3</td>
<td>GR or P/NP</td>
<td>Recommended preparation: RLEST 2A. Successful operation of a real estate office: Management, leadership, communications, staffing, market analysis, and finance. 0511.00</td>
</tr>
<tr>
<td>RLEST 4A</td>
<td>Legal Aspects of Real Estate</td>
<td>3</td>
<td>3</td>
<td>GR or P/NP</td>
<td>Basic legal aspects of real estate: Nature and classes of property, contracts, encumbrances, and leases; and principles of law applied to real estate. 0511.00</td>
</tr>
<tr>
<td>RLEST 5</td>
<td>Real Estate Practice</td>
<td>3</td>
<td>3</td>
<td>GR or P/NP</td>
<td>Comprehensive presentation of daily activities of brokers and salespersons: Selling, listing, advertising, taking and presenting offers, qualifying buyers; appraisal, finance, and escrow procedures; taxation, investment property, and exchanges. 0511.00</td>
</tr>
<tr>
<td>RLEST 6A</td>
<td>Real Estate Finance - Residential</td>
<td>3</td>
<td>3</td>
<td>GR or P/NP</td>
<td>Basic real estate finance: Study and analysis of money markets, interest rates, real estate financing, lending policies, and problems involved in financing real property; emphasis on homes with brief introduction to multifamily units. 0511.00</td>
</tr>
<tr>
<td>RLEST 6B</td>
<td>Advanced Real Estate Finance - Commercial</td>
<td>3</td>
<td>3</td>
<td>GR or P/NP</td>
<td>Advanced real estate finance: Detailed study of financing for multifamily units, commercial properties, and special-purpose projects. 0511.00</td>
</tr>
<tr>
<td>RLEST 7A</td>
<td>Real Estate Appraisal</td>
<td>3</td>
<td>3</td>
<td>GR or P/NP</td>
<td>Basic real estate appraisal: Study of methods and techniques used to determine value; emphasis on residential property with brief introduction to multifamily units. 0511.00</td>
</tr>
<tr>
<td>RLEST 8</td>
<td>Property Management</td>
<td>3</td>
<td>3</td>
<td>GR or P/NP</td>
<td>Real estate management: Neighborhood analysis and trends, rent schedules, leases, accounting, maintenance, and landlord/tenant relations; the business of property management. 0511.00</td>
</tr>
<tr>
<td>RLEST 9</td>
<td>Real Estate Economics</td>
<td>3</td>
<td>3</td>
<td>GR or P/NP</td>
<td>Introduction to real estate economics: Introductory study of city, neighborhood, and property value changes; analysis of contemporary real estate economic problems; includes field trips. 0511.00</td>
</tr>
<tr>
<td>RLEST 10</td>
<td>Real Estate Mathematics</td>
<td>3</td>
<td>3</td>
<td>GR or P/NP</td>
<td>Real estate mathematics: Study to assist the student with the mathematics portion of the licensing examination and to assist the agent in his/her everyday transactions. 0511.00</td>
</tr>
<tr>
<td>RLEST 11</td>
<td>Real Estate Escrow Procedures</td>
<td>3</td>
<td>3</td>
<td>GR or P/NP</td>
<td>Real estate escrow procedures: Procedures, techniques, and areas of responsibility in handling escrows. 0511.10</td>
</tr>
<tr>
<td>RLEST 14</td>
<td>Real Estate Investments</td>
<td>3</td>
<td>3</td>
<td>GR or P/NP</td>
<td>Survey and analysis of real estate investments: Counseling, valuation, after-tax benefits, and a brief introduction to exchanges. 0511.00</td>
</tr>
</tbody>
</table>
RLEST 18
COMMON INTEREST DEVELOPMENTS (HOMEOWNERS ASSOCIATIONS MANAGEMENT)
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Introduction to the basics of managing, purchasing, and selling of common interest developments (CIDs) governed by homeowners associations (HOA): Condominiums, stock cooperatives, community apartment projects, and planned developments; applicable federal and state laws. 0511.00

RLEST 20
COMPUTER APPLICATIONS IN REAL ESTATE
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU

Overview of the Internet and computer hardware and software applications used in the day-to-day life of the real estate practitioner: Computer technology and its effect on business practices and the field of real estate in particular, e-mail for business purposes, use of the Internet and software applications in searching for homes and real estate loans, and use in rental, leasing and property taxation procedures, contracts, and forms. 0511.00
AA/AS area 4c

RLEST 250
BRE SALESPERSON/BROKER EXAM PREPARATION
1 unit, 1 hour lecture (P/NP)
Recommended preparation: RLEST 2A
Non-degree applicable

California Salesperson/Broker Licensing Exam preparation: Simulated exam and review of essential course content from all courses in real estate. 0511.00
The Social and Behavioral Sciences AA Degree is designed for students who would like a broad knowledge of liberal arts and sciences plus additional coursework in an “area of emphasis.” The Social and Behavioral Sciences area of emphasis is an ideal choice for students planning to transfer into the California State University or University of California system, as the students can satisfy their general education requirements and focus on transferable course work that relates to majors at a CSU or UC. Please consult with a counselor for specific information regarding an intended major at the specific colleges/university of choice.

Merritt College offers the following degree programs in Social and Behavior Sciences:

**SOCIAL AND BEHAVIORAL SCIENCES**

- ASSOCIATE IN ARTS (AA) DEGREE
SOCIAL AND BEHAVIORAL SCIENCES
ASSOCIATE IN ARTS (AA) DEGREE

DESCRIPTION
The Associate in Arts in Social and Behavioral Sciences degree program provides students with a broad perspective on human behavior. It is designed to stimulate appreciation for, and understanding of, values, ideas, and artifacts of culture and society. Critical thinking skills and self-understanding through these courses provide a framework for lifelong study in a variety of disciplines. Successful completion of the curriculum in Social and Behavioral Sciences offers students a breadth of knowledge that could be focused into single discipline degrees as well as applied to an interdisciplinary degree. The degree is intended for those who are considering transfer but have not decided on a major or for those who are required to complete a degree for job promotion. In all cases, students should consult with a counselor to develop their own program of study.

For the Associate in Arts Degree in Social and Behavioral Sciences, students must complete 18 units from at least two discipline areas listed below, the General Education pattern, and any needed electives for a total of 60 units. Students must receive a minimum grade of "C" or better in all courses for their major in order to qualify for the degree. As this degree alone may not be complete preparation for transfer, students wishing to transfer to a 4-year institution should meet with a counselor to develop a plan which addresses all transfer requirements.

CAREER OPPORTUNITIES
This curriculum is intended to prepare students for transfer to four year institutions with the benefit of introductory course work in the social sciences.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:
1. Integrate foundational thinking from various disciplines within Social Sciences.
2. Apply knowledge about people and human behavior.
3. Analyze society and community issues from multiple and integrated perspectives.
## PROGRAM REQUIREMENTS

### Social and Behavioral Sciences

**Associate in Arts (AA) Degree**

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Core Courses</strong></td>
<td>Select 18 units from the following:</td>
<td></td>
</tr>
<tr>
<td>ADJUS 021</td>
<td>Introduction to Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 16</td>
<td>The Prison Industrial Complex: African American Incarceration</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 19</td>
<td>Racism in the United States</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 30</td>
<td>African-American History: Africa to 1865</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 31</td>
<td>African-American History: 1865-1945</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 38</td>
<td>Environmental Racism and Justice</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR 3</td>
<td>Introduction to Social and Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR 5</td>
<td>American Indian History and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ASAME 30</td>
<td>Asians and Asian-Americans Through Films</td>
<td>3</td>
</tr>
<tr>
<td>ASAME 32</td>
<td>Asian-American Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ASAME 45A</td>
<td>Asian-American History to 1945</td>
<td>3</td>
</tr>
<tr>
<td>ASAME 45B</td>
<td>Asian-American History from 1945 to the Present</td>
<td>3</td>
</tr>
<tr>
<td>COMM 6</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 10</td>
<td>Gender and Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 13</td>
<td>Ethnic Perceptions in the Mass Media</td>
<td>3</td>
</tr>
<tr>
<td>ECON 1</td>
<td>Principles of Economics (Macro-Economics)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2</td>
<td>Principles of Economics (Micro-Economics)</td>
<td>3</td>
</tr>
<tr>
<td>ENVMT 2</td>
<td>Introduction to Sustainable Environmental Systems</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 2</td>
<td>Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 7A</td>
<td>History of the United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 7B</td>
<td>History of the United States Since 1865</td>
<td>3</td>
</tr>
<tr>
<td>HLTED 1</td>
<td>Exploring Health Issues</td>
<td>3</td>
</tr>
<tr>
<td>M/LAT 12</td>
<td>United States Relations with Mexico and Latin America</td>
<td>3</td>
</tr>
<tr>
<td>POSCI 1</td>
<td>Government and Politics in the United States</td>
<td>3</td>
</tr>
<tr>
<td>POSCI 2</td>
<td>Comparative Government</td>
<td>3</td>
</tr>
<tr>
<td>POSCI 5</td>
<td>American Politics and Minority Groups</td>
<td>3</td>
</tr>
<tr>
<td>PSYCH 1A</td>
<td>Introduction to General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYCH 10</td>
<td>Psychology and Life: Basic Principles</td>
<td>3</td>
</tr>
<tr>
<td>PSYCH 12</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>SOC 1</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 2</td>
<td>Social Problems</td>
<td>3</td>
</tr>
</tbody>
</table>

**Major Requirements** | **18**

**Total Units** | **60**
The Sociology Program offers an Associate in Arts in Sociology for transfer (AA-T) degree, which provides students with an understanding of how all aspects of society work from the smallest levels of individual interaction to the operation of the largest institutions. Students learn sociological theories, concepts, and research methods that are useful for navigating personal and professional relationships in business, politics, criminal justice, health care, agriculture, communications and other industries. This knowledge enables students to be competitive for sociology-related jobs and prepares them to pursue a B.S. degree in Sociology or another social science at the university level.

Skills developed from studying sociology can be useful in business, community service, activism, child development, politics, criminal justice, education, and work in the private, non-profit and government sectors.

*Merritt College offers the following degree program in Sociology:*

**SOCIOLOGY**
- ASSOCIATE IN ARTS IN SOCIOLOGY FOR TRANSFER (AA-T) DEGREE
PROGRAMS

SOCIOLOGY

ASSOCIATE IN ARTS IN SOCIOLOGY FOR TRANSFER (AA-T) DEGREE

DESCRIPTION
The Associate in Arts in Sociology for Transfer (AA-T) degree is intended to meet the lower division requirements for sociology majors or majors that have been deemed similar in the California State University (CSU) system. Sociology is the critical and applied investigation of everyday life. This approach to academic studies provides students with an analysis of social life, social change, and the social factors and consequences of human behavior using the methods of social science research. Sociologists examine the social construction of individuals, groups, organizations and institutions and how people interact within these contexts.

Successful completion of the degree affords students specific guarantees for transfer to the California State University (CSU) system such as admission to a CSU with junior status, priority admission to their local CSU campus and to a program or major in sociology or similar major. Students transferring to a CSU campus will be required to complete no more than 60 semester or 90 quarter units after transfer to earn a bachelor’s degree.

To qualify for the Associate in Arts in Sociology for Transfer (AA-T) degree, students are required to complete 60 semester units that are eligible for transfer to a California State University, including both of the following:

1. The California State University General Education – Breadth Requirements (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) and
2. 18-19 semester units with a grade of “C” or better, or “P” if the course is taken on a “Pass/No-Pass” basis, in the major and an overall minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework. (Some universities may have limits on the number of Pass/No-Pass units they will accept for transfer. See a counselor for more information.)

See the Transfer to Four-Year Colleges and Universities section of this catalog for more information on AA-T overall requirements and CSU GE-Breadth or IGETC.

NOTE: students should see a counselor at least once each semester to plan for their educational goal(s).

CAREER OPPORTUNITIES
Skills developed from studying sociology can be useful in business, community service, activism, child development, politics, criminal justice, education in the government, private and non-profit sectors.

PROGRAM LEARNING OUTCOMES
Upon successful completion of this program, students will be able to:

1. Identify relevant sociological theorists and their contributions to the discipline of sociology
2. Use sociological perspectives to analyze social issues and suggest solutions to social problems
3. Distinguish among various systems of social stratification and analyze ways that they create social inequality
4. Apply both qualitative and quantitative research to analyze social trends and evaluate relationships among entities in society
## SOCIOLOGY

### ASSOCIATE IN ARTS IN SOCIOLOGY FOR TRANSFER (AA-T) DEGREE

### PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject #</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>SOC 1</td>
<td>Introduction to Sociology</td>
<td>3</td>
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<tr>
<td>SOC 2</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC 120</td>
<td>Introduction to Research Methods</td>
<td>3</td>
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<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 13</td>
<td>Introduction to Statistics</td>
<td>4</td>
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</table>

### Major Elective Courses

**Group A**

Select two courses for 6 units from the following:

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<thead>
<tr>
<th>Subject</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>SOC 3</td>
<td>Sociology of Women</td>
<td>3</td>
</tr>
<tr>
<td>SOC 5</td>
<td>Minority Groups</td>
<td>3</td>
</tr>
<tr>
<td>SOC 13</td>
<td>Sociology of the Family</td>
<td>3</td>
</tr>
<tr>
<td>PSYCH 6</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Group B**

Select one course for 3 units from the following (or any course not already selected above):

<table>
<thead>
<tr>
<th>Subject</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 45</td>
<td>Sociology of Sports</td>
<td>3</td>
</tr>
<tr>
<td>AFRAM 10</td>
<td>Sociology of African-Americans</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 21</td>
<td>Introduction to Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR 3</td>
<td>Introduction to Social and Cultural Anthropology</td>
<td>3</td>
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</tbody>
</table>

**Major Requirements**

18-19 units

**Units that may be double-counted for General Education**

9-12 units

**General Education Requirements (CSU GE or IGETC)**

37-39 units

**Electives (CSU Transferable Courses)**

11-17 units

**Total Units**

60 units
SOCIOLOGY

SOC 1
INTRODUCTION TO SOCIOLOGY
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: ENGL 1A
Acceptable for credit: CSU, UC

Basic concepts, theoretical approaches, and methods of sociology: Analysis and explanation of social structure, group dynamics, socialization and the self, social stratification, culture and diversity, social change and global dynamics. 2208.00
AA/AS area 2; CSU area D; IGETC area 4J
C-ID: SOCI 110

SOC 2
SOCIAL PROBLEMS
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Study of society through application of sociological principles and critical thinking skills to the identification and analysis of selected social problems: Poverty, racism/sexism, drug abuse, crime, and population control. 2208.00
AA/AS area 2; CSU area D; IGETC area 4J
C-ID: SOCI 115

SOC 3
SOCIOLOGY OF WOMEN
3 units, 3 hours lecture (GR or P/NP)
Also offered as HIST 56.
Not open for credit to students who have completed or are currently enrolled in HIST 56.
Acceptable for credit: CSU, UC

Exploration of various conceptual frameworks regarding the status of women: Structure-function, role dynamics, dominant-subordinate minority group interaction, and concepts of oppression-liberation with emphasis on current trends of the movement. 2208.00
AA/AS area 2; CSU area D; IGETC area 4J
C-ID: SOCI 130

SOC 4
SOCIOLOGY OF SPORTS
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Critical analysis/survey of sports in America: The interrelationship between the athlete and traditional social institutions (education, politics, economics, and the media). 2208.00
AA/AS area 2; CSU area D; IGETC area 4J

SOC 49
INDEPENDENT STUDY IN SOCIOLOGY
.5-5 units (GR or P/NP)
Acceptable for credit: CSU

See section on Independent Study. 2208.00

SOC 120
INTRODUCTION TO RESEARCH METHODS
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: SOC 1
Recommended preparation: MATH 13
Acceptable for credit: CSU, UC

Introduction to empirical research for the social sciences: Nature of theory, hypotheses, variables, ethics of research; application of qualitative and quantitative analytic tools including survey, observational, experimental, case study, and comparative historical research. 2201.00
AA/AS area 2; CSU area D; IGETC area 4I, 4J
C-ID: SOCI 120

SOC 13
SOCIOLOGY OF THE FAMILY
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Social factors which contribute to marriage and family: Changing historic, economic, and socio-cultural forces that shape intimate and familial relationships. 2208.00
AA/AS area 2; CSU area D; IGETC area 4J
C-ID: SOCI 130

SOC 45
SOCIOLOGY OF SPORTS
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC

Critical analysis/survey of sports in America: The interrelationship between the athlete and traditional social institutions (education, politics, economics, and the media). 2208.00
AA/AS area 2; CSU area D; IGETC area 4J

SOC 49
INDEPENDENT STUDY IN SOCIOLOGY
.5-5 units (GR or P/NP)
Acceptable for credit: CSU

See section on Independent Study. 2208.00

SOC 120
INTRODUCTION TO RESEARCH METHODS
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: SOC 1
Recommended preparation: MATH 13
Acceptable for credit: CSU, UC

Introduction to empirical research for the social sciences: Nature of theory, hypotheses, variables, ethics of research; application of qualitative and quantitative analytic tools including survey, observational, experimental, case study, and comparative historical research. 2201.00
AA/AS area 2; CSU area D; IGETC area 4I, 4J
C-ID: SOCI 120
The Spanish Department helps students develop communicative and cultural competence in Spanish. Students work on developing proficiency in listening, speaking, writing, and reading in Spanish, in addition to developing cultural knowledge about the Spanish-speaking world. Courses are conducted predominantly in Spanish and much class time is dedicated to task-based, communicative activities.

Career opportunities in Spanish include advertising, broadcasting, consulting, translating, counseling, education, film, foreign service, fund raising, human resources, journalism, international relations, law, management, ministry, politics, public relations, sales, social work, and various other fields.

| COURSES |
|------------------|-------------------------------|

**SPANISH**

**SPAN 1A**  
**ELEMENTARY SPANISH**  
5 units, 5 hours lecture (GR or P/NP)  
Course is equivalent to two years of high school study.  
Course is taught in Spanish.  
Acceptable for credit: CSU, UC

Study and practice in understanding, speaking, reading and writing Spanish; readings in Spanish and Latin-American life and culture; course conducted with Spanish as the primary language of instruction. 1105.00  
AA/AS area 3; CSU area C2; IGETC 6A

**SPAN 1B**  
**ELEMENTARY SPANISH**  
5 units, 5 hours lecture (GR or P/NP)  
Prerequisite: SPAN 1A  
Course is taught in Spanish.  
Acceptable for credit: CSU, UC

Study and practice in understanding, speaking, reading and writing Spanish; readings in Spanish and Latin-American life and culture; course conducted with Spanish as the primary language of instruction. 1105.00  
AA/AS area 3; CSU area C2; IGETC area 3B, 6A

**SPAN 30A**  
**BEGINNING CONVERSATIONAL SPANISH**  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU

Introduction to conversational Spanish: Use of modern colloquial Spanish in conversation, and elementary grammar. 1105.00  
CSU area C2

**SPAN 49**  
**INDEPENDENT STUDY IN SPANISH**  
.5-5 units (GR or P/NP)  
Acceptable for credit: CSU

See section on Independent Study. 1105.00
DISTRICT AND COLLEGE ADMINISTRATIVE POLICIES
The district and college policies in this section were developed to protect your interests while you are a student at Merritt College. Read through them carefully to become familiar with your student rights and responsibilities.

**STUDENT RIGHT-TO-KNOW DISCLOSURE (COMPLETION AND TRANSFER RATES)**

In compliance with the Higher Education Act of 1965, as amended, completion and transfer rates for students attending Merritt College can be found on the Peralta Community College web site at: [http://web.peralta.edu/indev/fact-books](http://web.peralta.edu/indev/fact-books) Additional information can be found at: [http://nces.ed.gov/collegenavigator](http://nces.ed.gov/collegenavigator)

**FAMILY EDUCATION RIGHTS AND PRIVACY ACT OF 1974 (ACCESS TO EDUCATIONAL RECORDS)**

In compliance with requirements established by the Family Educational Rights and Privacy Act of 1974 (Public Law 93-380, as amended) and regulations in Title 5 of the California Administrative Code Chapter 6, Article 6, Merritt College hereby provides notice of procedures and policies regarding student access to education records maintained by and at the college. The college's procedures and policies must, of course, remain subject to any further modification made necessary or appropriate as a result of subsequent legislation or regulations.

Questions regarding the legislation and Merritt College's guidelines should be addressed to the Vice President of Student Services. Copies of the act and the regulations are available for review in that office.

**The purpose of the Act, as it applies to Merritt College, is two-fold:**

1. To give presently or formerly enrolled Merritt College students access to their individual education records maintained at the college; and
2. To protect such students’ rights to privacy by limiting the transfer of their records without their consent.

**The legislation states that an institution is not required to grant students access to certain materials which includes the following:**

1. Information provided by a student's parents relating to applications for financial aid or scholarships;
2. Information related to a student compiled by a Merritt College employee;
   a. that is appropriate for such officer or employee’s performance of his or her responsibility,
   b. that remains in the sole possession of the maker thereof;
   c. that cites medical, psychiatric, or similar reports which are used solely in connection with treatment purposes and only available to recognized professionals or paraprofessionals in connection with such treatment (provided, however, that a physician or other professional of the student’s choice may review such records);
   d. that is maintained by a law enforcement unit; that is necessary and appropriate to enable such law enforcement unit to carry out its duties and responsibilities as required by law or which may be assigned by the district, and that such law enforcement unit personnel do not have access to other student records, and that such information is kept apart from other student records, and that it is maintained solely for law enforcement purposes, and: that it is available only to other law enforcement officials of the same jurisdiction.

As required by the Act, the college reserves the right to publish at its discretion the following categories of information with respect to each student who is presently or has previously attended the college: the student's name, address, telephone listings, date and birth place, field of study, class schedule, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent previous educational agency or institution attended by the student. Students have a right to inform the college within a reasonable period of time that any or all of this so-called "directory information" should not be released without their prior consent. Merritt College has not published an "Information Directory," and should one be compiled in the future, a public notice of intent will be provided.

**The legislation further identifies exceptions to the written consent of release of records. "Access" shall be permitted to the following:**

1. School officials with legitimate educational interest to inspect a record;
2. Schools to which a student is transferring in connection with a student's application for, or receipt of, financial aid;
3. Specified officials for audit or evaluation purposes;
4. Appropriated parties in connection with financial aid to a student;
5. Organizations conducting certain studies for or on behalf of the school provided:
   a. such studies are conducted in such a manner as will not permit personal identification of students or their parents by persons other than representatives of such organizations; and,
   b. such information will be destroyed when no longer needed for the purpose for which it is conducted.
6. Accrediting organizations carrying out accrediting functions;
7. To comply with a judicial order or lawfully issued subpoena;
8. Appropriate officials in cases of health and safety emergencies if the knowledge of such information is necessary to protect the health or safety of a student or other persons;
9. State and local authorities, within a juvenile justice system, pursuant to specific State law.

Finally, it should be noted that the scope of records maintained for students may vary greatly depending on individual circumstances. In some cases, student files do not contain many of the types of records listed above.
CLERY ACT
The Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act or Clery Act, codified at USC 1092(f) as part of Higher Education Act of 1965, is a federal law that requires all colleges and universities to keep and disclose information timely and annually about certain crime on and near their respective campuses.
For more information about the Clery Act, crime statistics, and resources visit http://web.peralta.edu/general-services/clery-act/.

TITLE IX
Merritt College complies with Title IX policies and regulations and provides students with resources to understand, prevent, and take action when a violation occurs. For more information about Title IX policy and reporting, services, and resources available at Merritt College, please visit: www.merritt.edu/wp/titleix/

BOARD POLICY 3410 NONDISCRIMINATION
The District is committed to equal opportunity in educational programs, employment, and all access to institutional programs and activities.

I. Educational Programs and other Services
The District shall provide access to its services, classes, and programs without regard to national origin, religion, age, sex or gender, gender identity, race or ethnicity, color, medical condition, ancestry, sexual orientation, marital status, physical or mental disability, active duty military and veterans, pregnancy, or because he or she is perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

II. Employment: The District shall provide equal employment opportunities to all applicants and employees regardless of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, gender identification, age, sexual orientation, or military and veteran status.

Updated and approved by the Board of Trustees: March 14, 2017.

References: Nondiscrimination References for Education Programs: Education Code Sections 66250 et seq., 200 et seq., and 72010 et seq.; Penal Code Sections 422.55 et seq.; Title 5 Sections 59300 et seq.; ACCJC Accreditation Eligibility Requirement 20 and ACCJC Accreditation Standard Catalog Requirements (formerly Accreditation Standard II.B.2.c) California Fair Employment and Housing Act Administrative Procedure 3410

Merritt College Catalog 2019-2020
AP 3430: PROHIBITION OF UNLAWFUL HARASSMENT

The District is committed to providing an academic and work environment free of unlawful harassment. This procedure 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.

I. Definitions

A. General Harassment

Harassment based on race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, age, or sexual orientation of any person, or military or veteran status, or the perception that a person has one or more of these characteristics is illegal and violates District policy. Harassment shall be found where, in aggregate, the incidents are sufficiently pervasive, persistent, or severe that a reasonable person with the same characteristics as the victim of the harassing conduct would be adversely affected to a degree that interferes with his or her ability to participate in or to realize the intended benefits of an institutional activity, employment or resource. Gender-based harassment does not necessarily involve conduct that is sexual. Any hostile or offensive conduct based on gender can constitute prohibited harassment if it meets the definition above. For example, repeated derisive comments about a person's competency to do the job, when based on that person's gender, could constitute gender-based harassment. Harassment comes in many forms, including but not limited to the following conduct that could, depending on the circumstances, meet the definition above, or could contribute to a set of circumstances that meets the definition:

B. Verbal

Inappropriate or offensive remarks, slurs, jokes or innuendo 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.

C. 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.

D. 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.

E. 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, 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.
F. Sexual Harassment
   1. In addition to the above, sexual harassment consists of unwelcome sexual advances, requests for sexual favors, and other verbal, visual, or physical conduct of a sexual nature made by someone from or in the work or educational setting when:
      a. submission to the conduct is explicitly or implicitly made a term or condition of an individual's employment, academic status, or process;
      b. submission to or rejection of the conduct by the individual is used as a basis of employment or academic decisions affecting the individual;
      c. the conduct has the purpose or effect of having a negative impact on the individual's work or educational environment (as fully described below); or,
      d. 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.

2. This definition encompasses two kinds of sexual harassment:
   a. “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.
   b. “Hostile environment” sexual harassment occurs when unwelcome conduct based on a person's gender is sufficiently severe or pervasive so as to alter the conditions of an individual's learning or work environment, unreasonably interfere with an individual's academic or work performance, or create an intimidating, hostile, or abusive learning or work environment. The victim must subjectively perceive the environment as hostile, and the harassment must be such that a reasonable person of the same gender would perceive the environment as hostile.

3. 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.

II. 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 District has the authority to transfer any involved employee to eliminate or attenuate the supervisory authority of one over the other, or of a teacher over a student. Such action by the District is a proactive and preventive measure to avoid possible charges of harassment and does not constitute discipline against any affected employee.

III. Academic Freedom
No provision of this Administrative Procedure shall be interpreted to prohibit conduct that is legitimately related to the course content, teaching methods, scholarship, or public commentary of an individual faculty member or the educational, political, artistic, or literary expression of students in classrooms and public forums. Freedom of speech and academic freedom are, however, not limitless and this procedure will not protect speech or expressive conduct that violates federal or California anti-discrimination laws.

AP 3540: SEXUAL AND OTHER ASSAULTS ON CAMPUS
A. Peralta Police Services shall make available sexual assault awareness information to students and employees.
B. Any sexual assault or physical abuse, including, but not limited to, rape, as defined by California law, whether committed by an employee, student, or member of the public, occurring on District property, about all the academic, educational, extracurricular, athletic, and other programs of the District, whether those programs take place in the District's facilities or at another location, or on an off-campus site or facility maintained by the District, or on grounds or facilities maintained by a student organization, is a violation of District policies and regulations, and is subject to all applicable punishment, including criminal procedures and employee or student discipline procedures.
C. “Sexual assault” includes but is not limited to, rape, forced sodomy, forced oral copulation, rape by a foreign object, sexual battery, or threat of sexual assault.
D. “Dating violence” means violence committed by a person who is or has been in a social relationship of a romantic or intimate nature with the victim. The existence of a romantic or intimate relationship will be determined based on the length of the relationship, the type of relationship and the frequency of interaction between the persons involved in the relationship.
E. “Domestic violence” includes felony or misdemeanor crimes of violence committed by:
   1. a current or former spouse of the victim;
   2. a person with whom the victim shares a child in common;
   3. a person who is cohabitating with or has cohabitated with the victim as a spouse;
   4. a person similarly situated to a spouse of the victim under California law; or
   5. any other person against an adult or youth victim who is protected from that person's acts under California law.
F. “Stalking” means engaging in a course of conduct directed at a specific person that would cause a reasonable person to fear for his or her safety or the safety of others, or to suffer substantial emotional distress.

G. It is the responsibility of each person involved in sexual activity to ensure that he or she has the affirmative consent of the other or others to engage in the sexual activity. Lack of protest or resistance does not mean consent, nor does silence mean consent. Affirmative consent must be ongoing throughout a sexual activity and can be revoked at any time. The existence of a dating relationship between the persons involved, or the fact of past sexual relations between them, should never by itself be assumed to be an indicator of consent. “Affirmative consent” means affirmative, conscious, and voluntary agreement to engage in sexual activity.

H. These written procedures and protocols are designed to ensure victims of domestic violence, dating violence, sexual assault, or stalking receive treatment and information.

I. All students, faculty members or staff members who allege they are the victims of domestic violence, dating violence, sexual assault, or stalking on District property shall be provided with information regarding options and assistance available to them. Information shall be available from the Peralta Police Services, which shall maintain the identity and other information about alleged sexual assault victims as confidential unless and until Peralta Police Services is authorized to release such information.

J. Peralta Police Services shall provide all alleged victims of domestic violence, dating violence, sexual assault, or stalking with a copy of the District’s policy and administrative procedure regarding domestic violence, dating violence, sexual assault, or stalking upon request, and the importance of preserving evidence and the identification and location of witnesses.

**AP3435: DISCRIMINATION AND HARASSMENT COMPLAINTS AND INVESTIGATIONS**

**I. Complaints**

Any person who has suffered harassment, discrimination, or retaliation may file a formal or informal complaint of harassment, discrimination, or retaliation. A formal complaint is a written and signed statement filed with the District or the State Chancellor’s office that alleges harassment, discrimination, or retaliation in violation of the District’s Board Policies, Administrative Procedures or in violation of state or federal law. An informal complaint is any of the following:

1. An unwritten allegation of harassment, discrimination, or retaliation;
2. A written allegation of harassment, discrimination, or retaliation that falls outside the timeline for a formal complaint; or
3. A written complaint alleging harassment, discrimination, or retaliation filed by an individual who expressly indicates that he/she does not want to file a formal complaint.

**II. Informal Complaints**

Any person may submit an informal complaint to the college Vice President of Student Services (students) or the college Vice President of Instruction (employees) or any other District or college administrator. Administrators receiving an informal complaint shall immediately notify the Vice Chancellor of Human Resources and Employee Relations in writing of all pertinent information and facts alleged in the informal complaint. Upon receipt of an informal complaint, the Vice Chancellor of Human Resources and Employee Relations will notify the person bringing the informal complaint of his/her right to file a formal complaint if the incident falls within the timeline for a formal complaint and explain the procedure for doing so. The complainant may later decide to file a formal complaint if within the timeline to do so. If the individual chooses not to file a formal complaint, or if the alleged conduct falls outside the timeline to file a formal complaint, the Vice Chancellor of Human Resources and Employee Relations shall consider the allegations contained in the informal complaint and determine the appropriate course of action. This may include efforts to informally resolve the matter, or a fact-finding investigation. Investigation of an informal complaint will be appropriate if the Vice Chancellor of Human Resources and Employee Relations determines that the allegation(s), if proven true, would constitute a violation of the District policy prohibiting harassment, discrimination, or retaliation. The Vice Chancellor of Human Resources and Employee Relations will explain to any individual bringing an informal complaint that the Vice Chancellor of Human Resources and Employee Relations may decide to initiate an investigation even if the individual does not wish the District to do so. The Vice Chancellor of Human Resources and Employee Relations shall not disregard any allegations of harassment, discrimination, or retaliation solely on the basis that the alleged conduct falls outside the deadline to file a formal complaint.

**III. Formal Complaints**

Formal Complaints must be filed with the State Chancellor or the Vice Chancellor of Human Resources and Employee Relations unless the party submitting the Formal Complaint alleges discrimination, harassment, or retaliation against the responsible District Officer, in which case it should be submitted directly to the Chancellor or the State Chancellor.

Formal Complaints should be submitted on the form prescribed by the State Chancellor. A copy of the form will be available at the college Office of Student Services, District Office of Human Resources, and the District/college websites. If any party submits a written allegation of harassment, discrimination, or retaliation not on the form described above, the District will seek to have the individual complete and submit the form. However, if the individual chooses not to do so, the District will attach the written allegation(s) to the form and treat it as a Formal Complaint.
In no instance will the District reject a written allegation of harassment, discrimination, or retaliation on the basis that it was not submitted on the proper form. A Formal Complaint must meet each of the following criteria:

- It must allege facts with enough specificity to show that the allegations, if true, would constitute a violation of District policies or procedures prohibiting discrimination, harassment, or retaliation;
- The complainant must sign and date the Formal Complaint;
- The complainant must file any Formal Complaint not involving employment within one year of the date on which the complainant knew or should have known of the facts underlying the allegation(s) of discrimination, harassment, or retaliation.
- The complainant must file any Formal Complaint alleging discrimination, harassment, or retaliation in employment within 180 days of the date on which the complainant first obtained knowledge of the facts underlying the alleged violation after the expiration of the 180 days. If the Formal Complaint does not meet the requirements set forth above, the District Office of Employee Relations will promptly return it to the complainant and specify the defect. If the only defect is that the Formal Complaint was filed outside the applicable proscribed timeline, the Vice Chancellor of Human Resources and Employee Relations will handle the matter as an informal complaint.

IV. Oversight of Complaint Procedure
The Vice Chancellor of Human Resources and Employee Relations is the “responsible District Officer” charged with receiving complaints of discrimination or harassment, and coordinating their investigation. The actual investigation of complaints may be assigned by the Vice Chancellor of Human Resources and Employee Relations to other staff or outside persons or organizations under contract with the District. This shall occur whenever the Vice Chancellor of Human Resources and Employee Relations is named in the complaint or implicated by the allegations in the complaint.

Who May File a Complaint?
Any student, employee, or third party who believes he/she has been discriminated against or harassed by a student, employee, or third party in violation of this procedure and the related policy.

Where to File a Complaint:
A student, employee, or third party who believes he/she has been discriminated against or harassed in violation of these policies and procedures may make a complaint orally or in writing. If a complainant decides to file a formal written unlawful discrimination or harassment complaint in accord with Peralta Community College District AP 3435 against the District, he/she must file the complaint on a form prescribed by the State Chancellor’s Office. These approved forms are available from the District Office of Employee Relations, the District’s Human Resources website, and at the State Chancellor’s website. The completed form must be filed with any of the following:
- The Vice Chancellor of Human Resources and Employee Relations;
- College Vice President of Student Services (students), the College Vice President of Instruction (employees), or the College President;
- or the State Chancellor’s Office.

V. Employment-Related Complaints
Complainants filing employment-related complaints shall be notified that they may file employment discrimination complaints with the U.S. Equal Employment Opportunity Commission (EEOC) or the Department of Fair Employment and Housing (DFEH). Complaints filed with the EEOC or the DFEH should be forwarded to the State Chancellor’s Office. Any District employee who receives a harassment or discrimination complaint shall notify the Vice Chancellor of Human Resources and Employee Relations immediately?

VI. Filing a Timely Complaint
Since failure to report harassment and discrimination impedes the District’s ability to stop the behavior, the District strongly encourages anyone who believes he or she is being harassed or discriminated against, to file a complaint. The District also strongly encourages the filing of such complaints within 30 days of the alleged incident. While all complaints are taken seriously and will be investigated promptly, delay in filing impedes the District’s ability to investigate and remediate. All supervisors and managers have a mandatory duty to report incidents of harassment and discrimination; the existence of a hostile, offensive or intimidating work environment, and acts of retaliation. The District will investigate complaints involving acts that occur off campus if they are related to an academic or work activity.

VII. Communicating that the Conduct is Unwelcome
The District further encourages students and staff to let the offending person know immediately and firmly that the conduct or behavior is unwelcome, offensive, in poor taste or inappropriate.
VIII. Intake and Processing of the Complaint

Upon receiving notification of a harassment or discrimination complaint, the Vice Chancellor of Human Resources and Employee Relations shall:

- Undertake efforts to informally resolve the charges, including but not limited to mediation, rearrangement of work/academic schedules; obtaining apologies; providing informal counseling, training, etc.
- Advise the complainant that he/she need not participate in an informal resolution of the complaint, as described above, and has the right to end the informal resolution process at any time. Mediation is not appropriate for resolving incidents involving sexual violence.
- Advise a student complainant that he/she may file a complaint with the Office of Civil Rights of the U.S. Department of Education and employee complainants may file a complaint with the Department of Fair Employment and Housing. All complainants should be advised that they have a right to file a complaint with local law enforcement if the act complained of is also a criminal act. The District must investigate even if the complainant files a complaint with local law enforcement. In addition, the District should ensure that complainants are aware of any available resources, such as counseling, health, and mental health services. The Vice Chancellor of Human Resources and Employee Relations shall also notify the State Chancellor’s Office of the complaint.
- Take interim steps to protect a complainant from coming into contact with an accused individual, especially if the complainant is a victim of sexual violence. The Vice Chancellor of Human Resources and Employee Relations should notify the complainant of his/her options to avoid contact with the accused individual and allow students to change academic situations as appropriate. For instance, the District may prohibit the accused individual from having any contact with the complainant pending the results of the investigation. When taking steps to separate the complainant and accused individual, the District shall minimize the burden on the complainant. For example, it is not appropriate to remove complainants from classes or housing while allowing accused individuals to remain.

IX. Investigation

The Vice Chancellor of Human Resources and Employee Relations shall:

- Authorize the investigation of the complaint, and supervise or conduct a thorough, prompt and impartial investigation of the complaint, as set forth below. Where complainants opt for informal resolution, the designated officer will determine whether further investigation is necessary to ensure resolution of the matter and utilize the investigation process outlined below as appropriate. In the case of a formal complaint, the investigation will include interviews with the complainant, the accused, and any other persons who may have relevant knowledge concerning the complaint. This may include victims of similar conduct.
- Review the factual information gathered through the investigation to determine whether the alleged conduct constitutes harassment, or other unlawful discriminatory conduct, giving consideration to all factual information and the totality of the circumstances, including the nature of the verbal, physical, visual or sexual conduct, and the context in which the alleged incidents occurred.

X. Investigation of the Complaint

The District shall promptly investigate every complaint of harassment or discrimination. No claim of workplace or academic harassment or discrimination shall remain unexamined. This includes complaints involving activities that occur off campus and in connection with all the academic, educational, extracurricular, athletic, and other programs of the District, whether those programs take place in the District’s facilities, on a District bus, or at a class or training program sponsored by the District at another location. As set forth above, where the complainant opts for an informal resolution, the Vice Chancellor of Human Resources and Employee Relations may limit the scope of the investigation, as appropriate. The District will keep the investigation confidential to the extent possible, but cannot guarantee absolute confidentiality because release of some information on a “need-to-know-basis” is essential to a thorough investigation. When determining whether to maintain confidentiality, the District may weigh the request for confidentiality against the following factors: the seriousness of the alleged harassment; the complainant’s age; whether there have been other harassment complaints about the same individual; and the accused individual’s rights to receive information about the allegations if the information is maintained by the District as an “education record” under the Family Educational Rights and Privacy Act (FERPA), 20 U.S.C Code Section 1232g; 34 Code Federal Regulations Part 99.15. The District will inform the complainant if it cannot maintain confidentiality.

XI. Investigation Steps

The District will fairly and objectively investigate harassment and discrimination complaints. Employees designated to serve as investigators under this policy shall have adequate training on what constitutes sexual harassment, including sexual violence, and to assure that they understand how the District’s grievance procedures operate. The investigator may not have any real or perceived conflicts of interest and must be able to investigate the allegations impartially. Investigators will use the following steps: interviewing the complainant(s); interviewing the accused individual(s); identifying an interviewing witnesses and evidence identified by each party; identifying and interviewing any other witnesses, if needed; reminding all individuals interviewed of the District’s no-retaliation policy; considering whether any involved person should be removed from the campus pending completion of the investigation; reviewing personnel/academic files of all involved parties; reach a conclusion as to the allegations and any appropriate disciplinary and remedial action; and see that all recommended action is carried out in a timely fashion. When the District evaluates the complaint, it shall do so using a preponderance of the evidence standard. Thus, after considering all the evidence it has gathered, the District will decide whether it is more likely than not that discrimination or harassment has occurred.
XII. Timeline for Completion
The District will undertake its investigation promptly and as swiftly as possible. To that end, the investigator shall complete the above steps, and prepare a written report within 90 days of the District receiving the complaint.

XIII. Cooperation Encouraged
All employees are expected to cooperate with a District investigation into allegations of harassment or discrimination. Lack of cooperation impedes the ability of the District to investigate thoroughly and respond effectively. However, lack of cooperation by a complainant or witnesses does not relieve the District of its obligation to investigate. The District will conduct an investigation if it is discovered that harassment is, or may be occurring, with or without the cooperation of the alleged victim(s) and regardless of whether a complaint is filed.

XIV. Written Report
The results of the investigation of a complaint shall be set forth in a written report that will include at least all of the following information:
- A description of the circumstances giving rise to the Formal Complaint;
- A summary of the testimony provided by each witness interviewed by the investigator;
- An analysis of relevant evidence collected during the course of the investigation;
- A specific finding as to whether there is probable cause to believe that discrimination, harassment, or retaliation occurred with respect to each allegation in the complaint; and
- Any other information deemed appropriate by the District.

XV. Confidentiality of the Process
Investigations are best conducted within a confidential climate. Therefore, the District does not reveal information about ongoing investigations except as necessary to fulfill its legal obligations. The District will keep the investigation confidential to the extent possible, but it cannot guarantee absolute confidentiality because release of some information on a “need-to-know-basis” is essential to a thorough investigation and to protect the rights of accused students and employees during the investigation process and any ensuing discipline.

XVI. Administrative Determination
1. In any case not involving employment discrimination, within 90 days of receiving a complaint, the District shall complete its investigation and forward a copy of the investigative report to the State Chancellor, a copy or summary of the report to the complainant, and written notice setting forth all of the following to both the complainant and the Chancellor: (a) The determination of the Chancellor or his/her designee as to whether there is probable cause to believe discrimination occurred with respect to each allegation in the complaint; (b) A description of actions taken, if any, to prevent similar problems from occurring in the future; (c) The proposed resolution of the complaint; and (d) The complainant’s right to appeal to the District governing board and the Chancellor.
2. In any case involving employment discrimination, within 90 days of receiving a complaint, the District shall complete its investigation and forward a copy or summary of the report to the complainant, and written notice setting forth all the following to the complainant: (a) The determination of the Chancellor or his/her designee as to whether there is probable cause to believe discrimination occurred with respect to each allegation in the complaint; (b) A description of actions taken, if any, to prevent similar problems from occurring in the future; (c) The proposed resolution of the complaint; and (d) The complainant’s right to appeal to the District governing board and to file a complaint with Department of Fair Employment and Housing or the U.S. Equal Employment Opportunity Commission.

XVII. Discipline and Corrective Action
If harassment, discrimination or retaliation occurred in violation of the policy or procedure, the District shall take disciplinary action against the accused and any other remedial action it determines to be appropriate. The action will be prompt, effective, and commensurate with the severity of the offense. Remedies for the complainant might include, but are not limited to:
1. providing an escort to ensure that the complainant can move safely between classes and activities;
2. ensuring that the complainant and alleged perpetrator do not attend the same classes or work in the same work area;
3. preventing offending third parties from entering campus;
4. providing counseling services or a referral to counseling services;
5. providing medical services or a referral to medical services;
6. providing academic support services, such as tutoring;
7. arranging for a student-complainant to re-take a course or withdraw from a class without penalty, including ensuring that any changes do not adversely affect the complainant’s academic record; and
8. reviewing any disciplinary actions taken against the complainant to see if there is a causal connection between the harassment and the misconduct that may have resulted in the complainant being disciplined.

If the District imposes discipline, the nature of the discipline will not be communicated to the complainant. However, the District may disclose information about the sanction imposed on an individual who was found to have engaged in harassment when the sanction directly relates to the complainant; for example, the District may inform the complainant that the harasser must stay away from the complainant. Disciplinary actions against faculty, staff, and students will conform to all relevant statutes, regulations, personnel policies and procedures, including the provisions of any applicable collective bargaining agreement.
The District shall also take reasonable steps to protect the complainant from further harassment, or discrimination, and to protect the complainant and witnesses from retaliation as a result of communicating the complaint or assisting in the investigation. The District will ensure that complainants and witnesses know how to report any subsequent problems, and should follow-up with complainants to determine whether any retaliation or new incidents of harassment have occurred. The District shall take reasonable steps to ensure the confidentiality of the investigation and to protect the privacy of all parties to the extent possible without impeding the District's ability to investigate and respond effectively to the complaint. If the District cannot take disciplinary action against the accused individual because the complainant refuses to participate in the investigation, it should pursue other steps to limit the effects of the alleged harassment and prevent its recurrence.

XVIII. Appeals
If the District imposes discipline against a student or employee as a result of the findings in its investigation, the student or employee may appeal the decision using the procedure for appealing a disciplinary decision. If the complainant is not satisfied with the results of the administrative determination, he/she may, within fifteen days, submit a written appeal to the Board of Trustees. The Board shall review the original complaint, the investigative report, the administrative decision, and the appeal. The Board shall issue a final District decision in the matter within 45 days after receiving the appeal. A copy of the decision rendered by the Board shall be forwarded to the complainant and to the State Chancellor’s Office. The complainant shall also be notified of his/her right to appeal this decision. If the Board does not act within 45 days, the administrative determination shall be deemed approved and shall become the final decision of the District in the matter. In any case not involving workplace discrimination, harassment, or retaliation, the complainant shall have the right to file a written appeal with the State Chancellor’s Office within thirty days after the Board issued the final District decision or permitted the administrative decision to become final. Such appeals shall be processed pursuant to the provision of Title 5 Section 59350. In any case involving employment discrimination, including workplace harassment, the complainant may, at any time before or after the issuance of the final decision of the District, file a complaint with the Department of Fair Employment and Housing.

XIX. Extension of Time
Within 150 days of receiving a formal complaint, the District shall forward to the State Chancellor’s Office the original complaint, the investigative report, a copy of the written notice to the complainant setting forth the results of the investigation, a copy of the final administrative decision rendered by the Board or indicating the date upon which the decision became final, and a copy of the notification to the complainant of his/her appeal rights. If, due to circumstances beyond its control, the District is unable to comply with the 150-day deadline for submission of materials, it may file a written request for an extension of time no later than ten days prior to the expiration of the deadline.

XX. File Retention
The District will retain on file for a period of at least three years after closing the case copies of: 1. the original complaint; 2. the investigative report; 3. the summary of the report if one is prepared; 4. the notice provided to the complainant, of the District’s administrative determination and his/her right to appeal; 5. any appeal; and 6. the District’s final decision. The District will make such documents available to the State Chancellor upon request.

XXI. Dissemination of Policy and Procedures
District Policy and Procedures related to harassment will include information that specifically addresses sexual violence. District policy and procedures will be provided to all students, faculty members, members of the administrative staff and members of the support staff, and will be posted on campus and on the District’s website. When hired, employees are required to sign that they have received the policy and procedures, and the signed acknowledgment of receipt is placed in each employee’s personnel file. In addition, these policies and procedures are incorporated into the District’s course catalogs and orientation materials for new students.

XXII. Training
By Jan 1, 2006, the District shall provide at least two hours of classroom or other effective interactive training and education regarding sexual harassment to all supervisory employees who are employed as of July 1, 2005. All new supervisory employees must be provided with the training and education within six months of their assumption of a supervisory position. After Jan 1, 2006, the District shall provide sexual harassment training and education to each supervisory employee once every two years. The training and education required by this procedure shall include information and practical guidance regarding the federal and state statutory provisions concerning the prohibition against and the prevention and correction of sexual harassment and the remedies available to victims of sexual harassment in employment. The training and education shall also include practical examples aimed at instructing supervisors in the prevention of harassment, discrimination, and retaliation, and shall be presented by trainers or educators with knowledge and expertise in the prevention of harassment, discrimination, and retaliation. Training of all staff will be conducted. This includes counselors, faculty, health personnel, law enforcement officers, coaches, and all staff who regularly interact with students. Training for academic staff should emphasize environmental harassment in the classroom. The District will also provide training to students who lead student organizations. The District should provide copies of the sexual harassment policies and training to all District law enforcement unit employees regarding the grievance procedures and any other procedures used for investigating reports of sexual violence. Participation of faculty in such training is strongly encouraged, but is not mandatory, except when required by law. In years in which a substantive policy or procedural change has occurred, all District employees will attend a training update or receive a copy of the revised policies and procedures. Participants in training programs will be required to sign a statement that they have either understood the policies and procedures, their responsibilities, and their own and the District’s potential liability, or that they did not understand the policy and desire further training.
XXIII. Education and Prevention for Students

In order to take proactive measures to prevent sexual harassment and violence toward students, the District will provide preventive education programs and make victim resources, including comprehensive victim services, available. The District will include such programs in their orientation programs for new students and in training for student athletes and coaches. These programs will include discussion of what constitutes sexual harassment and sexual violence, the District’s policies and disciplinary procedures, and the consequences of violating these policies. A training program or informational services will be made available to all students at least once annually. The education programs will also include information aimed at encouraging students to report incidents of sexual violence to the appropriate District and law enforcement authorities. Since victims or third parties may be deterred from reporting incidents if alcohol, drugs, or other violations of District or campus rules were involved, the District will inform students that the primary concern is for student safety and that use of alcohol or drugs never make the victim at fault for sexual violence. If other rules are violated, the District will address such violations separately from an allegation of sexual violence.

Reference: Education Code Section 66281.5; Government Code Section 12950.1; Title 5 Sections 59320, 59324, 59326, 59328, and 59300 et seq.; 34 Code of Federal Regulations Section 106.8(b) Approved by the Chancellor: June 14, 2016

PROHIBITION OF HARASSMENT AND DISCRIMINATION AND SEXUAL ASSAULT PROCEDURES

I. Statement Regarding Discrimination

A. In keeping with Board Policy 3410: Nondiscrimination, the Peralta Community College District, as a public institution, prohibits discrimination in any and all of its activities, including: employment;procuring of goods and services; availability of its educational offerings; and other programs and activities such as financial aid and special services. In order to accomplish these tasks, the District Office of Equal Opportunity is assigned the responsibilities of overseeing and investigating any charges of discrimination or other complaints. A discrimination complaint log will be maintained as well as complete records of complaints and resolutions. The Office of Equal Opportunity will handle both student and employee complaints by working with the Vice Presidents of Student Services for student complaints and with the Vice President of Instruction for employee complaints.

B. The Peralta Community College District, in accordance with applicable Federal and State laws and Board Policy, prohibits unlawful discrimination towards students on the basis of race, creed, color, ancestry, religion, sex, national origin, age (40 and over), marital status, medical condition (cancer related), disability, political views and affiliations, sexual orientation/preference, and transgender status at any stage in any and all of its programs and activities, including availability of its educational offerings; and other programs and activities such as financial aid and special services. To that end, the District will take immediate, appropriate steps to investigate complaints of discrimination to eliminate current discrimination and prevent further discrimination. The District prohibits retaliation against any individual who files a complaint or who participates in a discrimination or discriminatory harassment inquiry.


D. The Title IX, Section 504 and ADA Coordinator for the Peralta District is the District Equal Opportunity Officer (who is the Vice Chancellor of Human Resources and Employee Relations whose office is located at: 333 E. 8th Street, Oakland, California 94606; telephone (510) 466-7252.

E. Each college has an ADA Coordinator who can be reached by calling the main number of the college.

F. Students, faculty, and employees who believe they have been discriminated against may file a discrimination complaint with the President of the college, Vice President of Student Services (for students), Vice President of Instruction (for faculty or employees) or the District Equal Opportunity Officer. Complaint forms and procedures are available in the offices of the President, Vice Presidents, and Equal Opportunity Officer.

G. The Peralta Colleges encourage “mainstreaming” students with disabilities into regular classes. The colleges offer support services to make education accessible. Each main campus has a Coordinator who coordinates the Disabled Students Program. Students who find that a class is not accessible should contact the Disabled Students Programs Office for assistance. Services provided include classroom interpreters, note takers, readers, special counseling on disability management, peer counseling groups, and special adaptive equipment.

H. The lack of English language skills will not be a barrier to admission and participation in the colleges’ vocational education programs.
II. Discrimination Complaint Procedures

A. To ensure that students and employees of the District are aware of the provisions of this procedure, a general statement will be published in each class schedule and a bulletin will be circulated to each District employee.

B. The following procedures are in compliance with the guidelines of state law:

1. Student discrimination complaints may be filed with the Office of Student Services at each college.
2. Employee complaints may be filed with the Office of Instruction at each college.
3. All complaints should be forwarded to the District Equal Opportunity Officer on the approved District form.
   a. Upon receipt of a complaint, a copy will be forwarded to the State Chancellor's Office on the appropriate form.
   b. Defective complaints will be returned to the complainant with an explanation of the deficiencies and how they may be corrected if the complaint is to be considered.
4. Within fourteen (14) days of the complaint, an investigation will commence with notification to the complainant of the initiation of the investigation.
5. If the complaint proves to be accurate, a resolution of the problem will be proposed and corrective actions taken to ensure that the act is not repeated.
6. After a proposed resolution is developed and approved, the complainant will be notified of the resolution. Should the complainant not be satisfied he/she may object to the proposed resolution through the State Chancellor's Office within thirty (30) days. The District Office of Equal Opportunity will furnish the complainant with necessary information regarding where and how to file the objection with the State.
7. After the resolution proposal is sent to the complainant, the District will forward the complete file of the complaint; findings of the investigation; the District's proposed resolution; the letter to the complainant informing him/her of the proposal; and any relevant material to the State Chancellor's Office.

III. Procedures Prohibiting Sexual, Racial, and Disability Harassment and Discrimination Toward Students

A. Dissemination

1. The procedures shall be published in all student, faculty and staff handbooks, each college's catalog and schedule of classes, and other printed material deemed appropriate by each college's Vice President of Student Services.
2. The procedures will also be disseminated to students at each college's new student orientation and at periodic workshops to be scheduled by each college's Vice President of Student Services.
3. The procedures will also be disseminated to each faculty member, all members of the administrative staff, and all members of the support staff both at time of hire and at the beginning of each school year.
4. The procedures shall also be displayed in a prominent location at each college along with the other notices regarding the college's procedures and standards of conduct.
5. A copy of the procedures shall be made available to any person expressing a verbal complaint about such matters.

B. Sexual, Racial, and Disability Harassment and Discrimination Defined

1. The Peralta Community College District expressly forbids sexual, racial, and disability harassment of its students by faculty, administrators, supervisors, District employees, other students, vendors or members of the general public. The District also prohibits discrimination of its students by subjecting any student to adverse or differential treatment, or depriving that student of any benefits of the District because of that student's sex, race, or disability. Furthermore, the District prohibits retaliation against any individual who files a complaint or participates in a discrimination inquiry.
2. Sexual harassment includes, but is not limited to, 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 educational setting, under any of the following conditions:
   a. Submission to the conduct is explicitly or implicitly made a term or a condition of a student's academic status, or progress.
   b. Submission to, or rejection of, the conduct by a student is used as the basis of academic decisions affecting the student.
   c. The conduct has the purpose or effect of having a negative impact upon a student's academic performance, or of creating an intimidating, hostile, or offensive educational environment.
   d. Submission to, or rejection of, the conduct by a student is used as the basis for any decision affecting the individual regarding benefits and services, honors, programs, or activities available at or through the educational institution.
   e. Any other such conduct that may have an effect on a student's learning environment or his or her ability to enjoy any privileges or benefits provided by the District.
3. The prohibition of racial harassment similarly enjoins conduct or incidents based on race that may interfere with or limit the ability of an individual to participate in or benefit from the services, activities, or privileges provided by the District.
4. The prohibition of disability harassment similarly enjoins conduct or incidents based on disability that may exclude an individual from participation in or be denied the benefit of the services, programs, or activities provided by the District to other non-disabled students.
5. A harassing environment is created if conduct of a sexual or racial nature or conduct based on student’s disability is sufficiently severe, persistent, or pervasive to limit a student’s ability to participate in or benefit from the education program by the District or to create a hostile or abusive educational environment.
C. Examples of Prohibited Harassment.
Sexual, racial, disability harassment includes, but is not limited to, the following examples of conduct that is undertaken because of the sex, race, or disability of the student victim:

1. Unwanted physical touching (beyond normal greetings).
2. Displays of offensive materials, objects, photos, etc., with a sexual, racial, or disabled theme.
3. Situations affecting a student’s studying and learning conditions and making the learning environment unpleasant and uncomfortable, whether the actions are purposeful or not.
4. Verbal insults (in reference to gender, race, sexual orientation, or disability).
5. Rumors designed to cause the individual emotional distress or place him or her in a bad light.
6. Physical assault.
7. Unwelcome direct propositions of a sexual nature.
8. Subtle pressures for unwelcome sexual activity, an element of which may be conduct such as repeated and unwanted staring.
9. A pattern of conduct not legitimately related to the subject matter of a course, which is sufficiently severe, persistent, or pervasive to limit a student’s ability to participate in or benefit from the education program or to create a hostile or abusive educational environment, that includes one or more of the following:
   a. Comments of a sexual/racial nature or which are demeaning or derogatory based on a disability, or
   b. Sexually explicit statements, questions, jokes, or anecdotes.
10. Unwanted attempts to establish a personal relationship.
11. A pattern of conduct that would cause discomfort or humiliate, or both, a reasonable person at whom the conduct was directed that may include one or more of the following:
   a. Unnecessary touching, patting, hugging, or brushing against a person’s body,
   b. Remarks of a sexual nature about a person’s anatomy or clothing, or
   c. Remarks about sexual activity or speculations about a previous sexual experience.

All persons should be aware that conduct towards a student that is not specifically identified in this procedure may nonetheless constitute impermissible sexual, racial or disability harassment.

D. Academic Freedom and Freedom of Speech
1. As participants in a public institution, the faculty and staff of the Peralta Community College District enjoy significant free speech protections found in the First Amendment of the United States Constitution and Article I Section I of the California Constitution. The right of academic freedom includes a special area of protected speech. Consistent with the principles of academic freedom, course content and teaching methods remain the province of individual faculty members. Academic freedom, however, is not limitless. Academic freedom does not protect classroom speech that is unrelated to the subject matter of the course or in violation of federal or state anti-discrimination laws. Some speech may constitute environmental sexual harassment, harassment based on another impermissible characteristic or discrimination. If a faculty member engages in unwelcome sexual behavior or other improper behavior based on a characteristic protected by this procedure that has the purpose or effect of unreasonably interfering with an employee’s work environment or a student’s academic performance or creates a hostile and intimidating work or academic environment, then it may constitute environmental harassment or discrimination, as outlined in Board Policy and these implementing procedures.
2. The District must balance these two significant interests: the right of academic freedom and the right to be free from discrimination and harassment. The First Amendment protections, including those of academic freedom, are not absolute. When a faculty member raises academic freedom as a defense against charges of discrimination or discriminatory harassment, the District must examine the nature and context of the faculty member’s behavior. A key to this examination is determining whether the behavior of the faculty member is related to his or her legitimate academic judgments within the context of furthering the institution’s legitimate mission.
3. Nothing in the District’s Discrimination and Discriminatory Harassment Policy should be construed to prevent faculty members from rigorously challenging fundamental beliefs held by students and society. These challenges should be done in a manner that in the professional judgment of the faculty member is most pedagogically advisable. Indeed, this is at the core of academic freedom; however, faculty members may not interject into the academic setting an element of discrimination or discriminatory harassment that is unrelated to any legitimate educational objective. Nor, may a faculty member create, or allow, the educational setting to be so charged with discrimination or discriminatory harassment that our students are prevented from effectively participating in the academic environment. As such, faculty members must be aware that the District will investigate and respond to employee or student complaints that involve course content in accordance with its general discrimination and discriminatory harassment policy and faculty members may be subject to discipline for egregious conduct, in the same manner as provided in Board Policy and any implementing procedures for all other District employees.
4. The Peralta Community College District is committed to ensuring that the academic freedom rights of our faculty are secure, and to ensuring our students an academic environment free of discrimination and harassment. Nothing in this section is intended to abrogate rights of Academic Freedom stated in the collective bargaining agreement with the Peralta Federation of Teachers.
E. Consensual Relationships

1. Definitions:
   a. The terms “instructors” and “faculty member” are defined as any person who teaches in the District, is in an academic position, or by virtue of their position has control or influence on student performance, behavior, or academic career.
   b. A “District employee” is defined as any person who is employed by the Peralta Community College District, or acts as its agent and operates within the District’s control.
   c. The District’s educational mission is promoted by professionalism in faculty/student, as well as supervisor/subordinate, relationships. Professionalism is fostered by an atmosphere of mutual trust and respect. Actions of faculty members and supervisors that harm this atmosphere undermine professionalism and hinder fulfillment of the educational mission. Trust and respect are diminished when those in positions of authority abuse their power in such a context as to violate their duty to the educational community and undermine the trust placed in the District as a public employer and an educational institution.

2. Rationale:
The District’s educational mission is promoted by professionalism in faculty/student, as well as supervisor/subordinate relationships. Professionalism is fostered by an atmosphere of mutual trust and respect. Actions of faculty members and supervisors that harm this atmosphere undermine professionalism and hinder fulfillment of the educational mission. Trust and respect are diminished when those in positions of authority abuse their power in such a context so as to violate their duty to the educational community and undermine the trust placed in the District as a public employer and an educational institution.

3. Ethical Violation:
Recognizing that the unequal power of adult consenting parties is inherent in consensual relationships between supervisor and employee or student and teacher, the District will view it as unethical behavior if faculty members or supervisors engage in romantic relations with students enrolled in their classes or employees under their supervision even though both parties appear to have consented to the relationship.

4. Presumption of a Policy Violation:
The faculty member or supervisor who contemplates a romantic relationship with a student or employee must realize the complexity of the situation and its potential negative consequences. Regardless of consent or mutual attraction, the faculty member or supervisor generally will be judged guilty of sexual harassment if any complaint eventually emerges, either from the partner in the relationship or from his or her fellow students or coworkers. A romantic relationship between any minor employee or student and an adult employee is presumptively deemed not to be a consensual relationship and constitutes sexual harassment.

F. Harassment and Discrimination Complaint Procedures

1. In order to accomplish the task of prohibiting discrimination and harassment, the District’s Equal Opportunity Officer is assigned the responsibilities of overseeing and investigating any charges or complaints of discrimination or harassment. The District’s Equal Opportunity Officer will maintain a discrimination and harassment complaint log and complete records of complaints, investigations and resolutions.

2. The District’s Equal Opportunity Officer will work with the Vice President of Student Services of each college for processing all discrimination and harassment complaints.

3. In compliance with the guidelines established by state and federal law, the following procedures will be implemented to investigate and resolve complaints of unlawful discrimination and harassment:
   a. Complaints of unlawful discrimination may be filed by a student who has personally suffered discrimination or by a person who has knowledge of such discrimination, within one year of the date of the alleged unlawful discrimination or within one year of the date on which the complainant knew or should have known of the facts underlying the allegation of unlawful discrimination or harassment.
   b. Student discrimination or harassment complaints may be filed with the District’s Equal Opportunity Officer (at 333 East Eighth Street, Oakland, CA 94606; (510) 466-7252).
   c. Student discrimination and harassment complaints may also be filed with the Vice President of Student Services
   d. All complaints not filed directly with the District’s Equal Opportunity Officer should be immediately forwarded to that Officer on the approved District form.
e. Whenever any person brings charges of unlawful discrimination to the District Equal Opportunity Officer's attention, that Officer shall:
   i. Inform the complainant that he or she may, but is not required to, informally resolve the charges and that s/he has the right to end the informal resolution effort and begin the formal stage at any time;
   ii. Notify the complainant of the procedures for filing a complaint;
   iii. Discuss with the complainant what actions he or she is seeking in response to the alleged discrimination; and
   iv. Advise the complainant that he or she may file a complaint with the Office for Civil Rights of the United States Department of Education.
   v. Immediately upon receipt of a complaint, the District's Equal Opportunity Officer will forward a copy to the State Chancellor's Office on the appropriate form.
   vi. The District's Equal Opportunity Officer will return defective complaints to the complainant with an explanation of the deficiencies and how they may be corrected if the complaint is to be considered.
   vii. Upon receipt of the complaint, the District Equal Opportunity Officer will review the complaint and determine the need for any interim measures of relief pending completion of the investigation.

f. Within fourteen (14) days of receiving the complaint, a thorough and impartial investigation will commence with notification to the complainant and the Chancellor of the initiation of the investigation. Complaints will be investigated and resolved in accordance with the District's unlawful discrimination complaint procedures. To ensure a prompt and equitable investigation of complaints, the investigation shall include an opportunity for the complainant and the accused to present witnesses and other evidence on their behalf. Thus, the investigation shall include private interviews with the complainant, the accused individual and each of the witnesses identified by both parties. Sufficient information about the allegations of the complaint shall be disclosed to the accused to provide him/her with an opportunity to respond to the allegations of the complaint and provide additional information. To the extent appropriate, the District will keep the complainant apprised of the progress of the investigation.

g. Complaints will be handled promptly in an appropriately confidential manner—that is, the District's Equal Opportunity Officer will disclose the identities of the parties only to the extent necessary to carry out an investigation. The results of the investigation shall be set forth in a written report which shall include at least all of the following:
   i. Description of the circumstances giving rise to the complaint;
   ii. A summary of the testimony provided by each witness, including the complainant and any witnesses identified by the complainant;
   iii. An analysis of any relevant data or other evidence collected during the course of the investigation; and
   iv. A specific finding as to whether discrimination did or did not occur with respect to each allegation in the complaint.

h. Within ninety (90) days of receiving a complaint, the District shall complete its investigation and provide the complainant with the following information:

A written notice setting forth:
   i. A copy or summary of the District's investigative report;
   ii. The District's determination on the merits of the complaint; the proposed resolution of the complaints, to the extent that disclosure does not invade any person's privacy rights; and
   iii. The complainant's right to appeal to the District governing board and the Chancellor.
   Likewise, the accused individual shall be notified of the outcome of the investigation.

i. If the allegation of sexual, racial, or disability harassment is substantiated, the District will take reasonable, timely and effective steps to end the harassment. Depending upon the severity of a given case and/or prior incidents of harassment, a violation of this rule shall lead to disciplinary action including the possibility of expulsion or termination from the District. Remedial measures will be offered if appropriate to correct the discriminatory effects on any individual who has experienced harassment. The District’s policy against discriminatory harassment will be interpreted consistently with any federally guaranteed rights involved in a complaint proceeding, including student's First Amendment rights to free speech and the accused individual's right to due process.

j. Should the Complainant not be satisfied, he or she may appeal the proposed resolution within ten (10) days of the date of the proposed resolution to the Chancellor. The Chancellor may request an additional investigation, sustain the administrative determination, reverse the administrative determination or take any other appropriate action. If the Chancellor makes the administrative determination, the Complainant may appeal directly to the Board of Trustees within the same time periods set forth above. If the Chancellor sustains the administrative determination or the Complainant is not otherwise satisfied with the Chancellor's decision, the Complainant may appeal to the Board of Trustees within fifteen (15) days of the Chancellor's decision. All appeals shall be filed with the Chancellor's Office at 333 East 8th Street, Oakland, CA 94606. Should the complainant not be satisfied, he or she may appeal the proposed resolution to the District governing board within fifteen (15) days. The District board shall review the original complaint, the investigative report, the determination and the appeal and may issue a final District decision within forty-five (45) days of receiving the appeal. The decision of the Administration will become final if the Board does not act within forty-five (45) days. The student may then appeal the final District decision to the State Chancellor’s Office within thirty (30) days. The Office of Equal Opportunity will furnish the complainant with necessary information regarding where and how to file the objection with the State Chancellor's Office.
k. Within 150 days of receiving the complaint, and after the resolution proposal is sent to the complainant, the District will forward the complete file of the complaint, findings of the investigation, the District’s proposed resolution, the letter to the complainant informing him or her of the proposal, and any relevant material to the State Chancellor’s Office.

SEXUAL ASSAULT PROCEDURE (SEE ALSO AP 3540: SEXUAL AND OTHER ASSAULTS ON CAMPUS)

Statement regarding Sexual Assault

Unlawful sexual assault is a criminal activity prohibited in all employee and student areas, buildings, properties, facilities, service areas, satellite centers of the PCCD and all non-District areas where Peralta classes/instruction are conducted. It is the policy of the PCCD to ensure, to the extent possible, that students, faculty and staff who are victims of a sexual assault committed at or upon the grounds of or upon off-campus grounds or facilities maintained by the District or its colleges, shall receive information, follow-up services, and referrals to local community treatment centers. Each college, through the Office of the Vice President of Student Services, shall make available sexual assault awareness information to students and employees.

Definition of Sexual Assault (Education Code 67365)

“Sexual Assault” includes, but is not limited to, rape, forced sodomy, forced oral copulation, rape by a foreign object, sexual battery, or threat of sexual assault.

1. The Office of the Vice President of Student Services shall have full responsibility, except for public information, for the administration and follow-up of the sexual assault program required. This includes:
   a. Making available to students and staff the District policy on sexual assault.
   b. Meeting legal reporting requirements.
   c. Identifying available services for the victim.
   d. Developing and updating a description of campus resources available to victims as well as appropriate off-campus services.
   e. Implementing procedures for keeping the victim informed of the status of any student disciplinary proceedings in connection with the sexual assault.
   f. Providing confidentiality.
2. It shall be the responsibility of the Vice President of Student Services to see to it that victims of sexual assault committed at or upon the grounds of, or upon off-campus grounds or facilities maintained by the District, shall receive information and referral for treatment. Services available include immediate short-term crisis counseling, and long-term counseling referral to agencies in the community. This information shall be provided with sensitivity and in consideration of the personal needs of the victim.
3. Any student, faculty, or staff member who is a victim of sexual assault at a District facility referred to in Section 1.1 of this policy is encouraged to notify the Vice President of Student Services. The Vice President of Student Services, with the consent of the victim, shall notify the Campus/District Police Services.
4. Pursuant to legal requirements, the Campus/District Police will notify the appropriate local law enforcement agency of the reported sexual assault, and obtain an ambulance to transport the victim to the hospital, as necessary.
5. In accordance with the Campus Crime Awareness and Security Act of 1990, the District, on an annual basis, shall notify students and employees of statistics concerning specific types of crime, including sexual assault. This notice shall be made through appropriate publication/mailings. The names of the victims will not be reported in the statistics.
6. In cases of violent crimes considered to be a threat to other students and employees, each college’s President or the Chancellor of the District shall make timely reports, respecting the confidentiality of the victim, to the college community in a manner that will aid in the prevention of similar occurrences.
7. Upon notification of a sexual assault, the Campus/District Police Services will distribute to the victim a description of campus resources and services available to the victim, as well as appropriate off-campus services. Each student or employee should have a copy of this procedure.
8. The listing of resources and services shall be available through the Campus/District Police Services, each college’s Counseling Department, and Health Services Unit.
9. A victim of sexual assault shall be provided with information about pursuing the following remedies or actions against the perpetrator:
   a. Employees: Criminal Prosecution/Civil Prosecution: District disciplinary process:
      Violation of this procedure will cause disciplinary action which may include termination of employment or may require an employee to participate in a rehabilitation program.
   b. Students: Criminal Prosecution/Civil Prosecution: District disciplinary process: Students are required to comply with this policy to remain in good standing and as a condition of continued attendance at any of the District’s colleges. Violation of this policy will be cause for disciplinary action against the student, up to and including expulsion, and/or may require the student to participate in a rehabilitation program. Student discipline shall be accomplished in accordance with provisions of Article 3 of the Title 3, Division 7, Part 47, of the California Education Code.
c. **Non-Student/Employer:** Criminal Prosecution/Civil Prosecution:
   
   i. A victim of sexual assault shall be kept informed by the college President/designee or the Chancellor of the status of and disposition of any District/College disciplinary proceedings in connection with the sexual assault.
   
   ii. The Counseling Department and Health Services shall assist, upon request, the victim of sexual assault in dealing with academic difficulties that may arise because of the victimization and its impact.
   
   iii. The identity of a victim of sexual assault shall remain confidential unless otherwise prescribed by law. Requests for information regarding the sexual assault from the press, concerned students, parents, and Peralta employees not involved in the assault or its investigation, will be handled by the college’s Public Information Office or the District’s Office of Marketing in accordance with these regulations: The Family Educational Right and Privacy Act, applicable California Education and Administrative Code sections, and Peralta Community College District Policy and Procedures.

**DISSEMINATION**

1. These procedures shall be published in all student, faculty and staff handbooks, each college’s catalog and schedule of classes and other printed material deemed appropriate by each college’s Vice President of Student Services.

2. These procedures will also be disseminated at each college’s orientation and at periodic workshops to be scheduled by each college’s Vice President of Student Services.

**Note:** Volunteers and student workers are included in relevant board policies and their related administrative procedures, including but not limited to BP 3410 (Nondiscrimination), BP 3420 (Equal Employment Opportunity), BP 3430 (Prohibition of Harassment), and BP 7280 (Volunteers).

References:

- Education Code Sections 212.5; 44100; 66281.5;
- Title IX, Education Amendments of 1972;
- Title 5, Sections 59320 et seq.;
- Title VII of the Civil Rights Act of 1964, 42 U.S.C.A. Section 2000e
- Education Code Sections 66250 et seq., 200 et seq., and 72010 et seq.;
- Penal Code Sections 422.55 et seq.;
- Title 5 Sections 59300 et seq.;
- Accreditation Standard II.B.2.c

**AP 5500: STUDENT STANDARDS OF CONDUCT, DISCIPLINE PROCEDURES AND DUE PROCESS**

I. The purpose of this procedure is to provide a prompt and equitable means to address violations of the Student Standards of Conduct, which ensures 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 purposes of retaliation. It is not intended to substitute for criminal or civil proceedings that may be initiated by other agencies.

II. These procedures are specifically not intended to infringe in any way on the rights of students to engage in free expression as protected by the state and federal constitutions, Education Code Section 76120, and will not be used to punish expression that is protected.

III. A student excluded for disciplinary reasons from one college in the Peralta Community College District may be denied enrollment into other colleges in the District, depending on the specific form of discipline. The President of a college may also deny admission to a student suspended or excluded for disciplinary reasons from other colleges or universities.

IV. Standards of Conduct. Students are responsible for complying with all laws and college regulations and for maintaining appropriate course requirements as established by the instructors.

A. Disciplinary action may be imposed on a student for violation of college rules and regulations, the California Education Code, California Penal Code, and the California Administrative Code. Student misconduct may result in disciplinary action by the college and prosecution by civil authorities.

Student misconduct may also result in disciplinary action that is applicable to other college campuses and central administrative offices at the Peralta Community College District. The college may require restitution as part of the discipline to ensure the return of items or compensation for any loss to the college or district. Misconduct that may result in disciplinary action includes, but is not limited to, the following violations:

1. VIolation of District policies or regulations including parking and traffic regulations (subject to Education Code Section 76036), policies regulating student organizations, and time, place and manner regulations in regard to public expression.
2. Wilful misconduct which results in injury or death of any person on college-owned or controlled property, or college-sponsored or supervised functions; or causing, attempting to cause, or threatening to cause physical injury to another person.
3. Conduct which results in cutting, defacing, damaging, or other injury to any real or personal property owned by the college or to private property on campus.
4. Stealing or attempting to steal college property or private property on campus; or knowingly receiving stolen college property or private property on campus.
5. Unauthorized entry to or use of college facilities.
6. Committing or attempting to commit robbery or extortion.
V. Forms of Discipline

Students facing disciplinary action are subject to any of the following actions:

A. **Written or verbal reprimand**
   An admonition to the student to cease and desist from conduct determined to violate the Code of Student Conduct. Written reprimands may become part of a student's permanent record at the college. A record of the fact that a verbal reprimand has been given may become part of a student's record at the college for a period of up to one year.

B. **Probation**
   A period of time specified for observing and evaluating a student's conduct, with or without special conditions. Probation will be imposed for a specific period of time; the student is considered removed from probation when the period expires. Violation of any conditions during the period of probation may be cause for further disciplinary action.

C. **Loss of Privileges and Exclusion from Activities**
   Exclusion from participation in designated privileges and extracurricular activities for a specified period of time. Violation of any conditions or Code of Student Conduct during the period of sanction may be cause for further disciplinary action.

D. **Educational Sanction**
   Work, research projects, counseling, or community service projects may be assigned. Violation of any requirements of assignment or Code of Student Conduct during the period of sanction may be cause for further disciplinary action.

E. **Treatment Requirement**
   Require enrollment in anger management, drug and alcohol rehabilitation treatment. Such requirement must receive prior approval from the Vice President of Student Services (or designee).

F. **Group Sanction**
   Sanctions for the misconduct of groups or organizations may include temporary or permanent revocation or denial of group registration as well as other appropriate sanctions.

G. **Removal from Class**
   Exclusion of the student by an instructor for the day of the removal and the next class meeting. The instructor must immediately report the removal to the Vice President of Student Services (or designee).

H. **Exclusion from Areas of the College**
   Exclusion of a student from specified areas of the campus. Violation of the conditions of exclusion or Code of Student Conduct during the period of exclusion may be cause for further disciplinary action.

I. **Withdrawal of Consent to Remain on Campus**
   Withdrawal of consent by the Campus Police for any person to remain on campus in accordance with California Penal Code Section 11014.5.
J. **Short-term Suspension**
   Exclusion of the student by the President (or designee) for good cause from one or more classes for a period of up to ten consecutive days of instruction.

K. **Long-term Suspension**
   Exclusion of the student by the President (or designee) for good cause from one or more classes for the remainder of the school term or school year, or from all classes and activities of the college and District for one or more terms.

L. **Expulsion**
   Exclusion of the student by the Board of Trustees from attending all colleges in the District.

VI. **Disciplinary action may be imposed on a student by:**
   A college faculty member who may place a student on probation or remove the student from class and/or a college activity for the remainder of that class/ activity period.

   B. The President (or designee) who may impose any form of discipline, including summarily suspending a student when deemed necessary for the welfare and safety of the college community.

   C. The President who may recommend “expulsion” to the Chancellor.

   D. The Board of Trustees who may terminate a student’s privilege to attend any college of the District.

VII. **Due Process for Discipline, Suspensions, Expulsions**
   A. **Definitions:**
      1. **Student**—Any person currently enrolled as a student at any college or in any program offered by Peralta Community College District.
      2. **Faculty Member** — Any instructor (an academic employee of the District in whose class a student subject to discipline is enrolled), counselor, librarian, or any academic employee who is providing services to the student.
      3. **Day** — A day during which the District is in session and regular classes are held, excluding Saturdays, Sundays, and District holidays.
      4. **Written Notice/Written Decision** — Notice sent by personal service or by registered or certified mail with return receipt requested via the United States Postal Service.
   
   B. **Procedure.**
      Before any disciplinary action to suspend or expel is taken against a student, the following procedures will apply:
      1. **Notice**
         The Vice President of Student Services (or designee) will provide the student with written notice of the conduct warranting the discipline. The written notice will include the following:
         a. The specific section of the Code of Student Conduct that the student is accused of violating.
         b. A short statement of the facts (such as the date, time, and location) supporting the accusation.
         c. The right of the student to meet with the Vice President of Student Services (or designee) to discuss the accusation, or to respond in writing.
         d. The nature of the discipline that is being considered.
      2. **Time limits**
         The notice must be provided to the student within 5 days of the date on which the conduct took place or became known to the Vice President of Student Services (or designee); in the case of continuous, repeated or ongoing conduct, the notice must be provided within 5 days of the date on which conduct occurred or became known to the Vice President of Student Services (or designee) which led to the decision to take disciplinary action.
      3. **Conference Meeting**
         A student charged with misconduct must meet with the Vice President of Student Services (or designee) for a conference regarding the basis of the charge and the possible disciplinary action that may arise as a consequence. If the student fails to respond within 5 days after receipt of the written notice, the Vice President may proceed on the assumption that the charge(s) is (are) valid.
         
         The conference with the Vice President of Student Services (or designee) will be for the purpose of:
         a. Reviewing the written statement of the charge(s) as presented to the student;
         b. Providing a reasonable opportunity at the meeting for the student to answer the charge(s) verbally or in writing to the accusation;
         c. Informing the student in writing of possible disciplinary action that might be taken;
         d. Presenting to the student the College Due Process Procedures.
      4. **Meeting Results**
         One of the following scenarios will occur:
         a. The matter is dismissed, in which case no public record of this incident shall be retained; however, an annual confidential report is required to be submitted to the Peralta Board of Trustees.
         b. A disciplinary action is imposed, and the student accepts the disciplinary action.
VIII. Hearing Procedures:

A. Request for Hearing
Within 5 days after receipt of the Vice President of Student Services' (or designee's) decision regarding a long-term suspension, the student may request a formal hearing. The request must be made in writing to the President (or designee). Any charge(s) to which the student does not respond shall be deemed valid. Any recommendation for expulsion by the Vice President of Student Services (or designee) shall be automatically reviewed by the Student Disciplinary Hearing Panel.

B. Schedule of Hearing
The formal hearing shall be held within 10 days after a written request for hearing is received. Student's failure to confirm attendance at the hearing or failure to appear at the hearing without reasonable cause constitutes waiver of the student's right to appeal. The formal hearing timeline may be tolled (postponed) pending a formal investigation of any discrimination claims by or against the student. Such investigation must be concluded no later than 90 calendar days as required by law.

C. Student Disciplinary Hearing Panel
The hearing panel for any disciplinary action shall be composed of one faculty (selected by the President of the Faculty Senate), one classified (selected by the President of the Classified Senate), one administrator (selected by the President of the College) and one student (selected by the Associated Students).

D. Hearing Panel Chair
The President (or designee), at the beginning of the academic year, will establish the panel, along with alternates. The chair of the committee will be appointed by the President.

E. Conduct of the Hearing
1. The members of the hearing panel shall be provided with a copy of the accusation against the student and any written response provided by the student before the hearing begins.
2. The facts supporting the accusation shall be presented by a college representative who shall be the Vice President of Student Services.
3. The college representative and the student may call witnesses and introduce oral and written testimony relevant to the issues of the matter.
5. Unless the hearing panel determines to proceed otherwise, the college representative and the student shall each be permitted to make an opening statement. Thereafter, the college representative shall make the first presentation, followed by the student. The college representative may present rebuttal evidence after the student completes his or her evidence. The burden shall be on the college representative to prove by substantial evidence that the facts alleged are true.

5. Short-term Suspension
Within 5 days after the meeting described above, the Vice President of Student Services (or designee) may decide whether to impose a short-term suspension, whether to impose some lesser disciplinary action, or whether to end the matter. Written notice of the Vice President of Student Services’ (or designee's) decision shall be provided to the student. The written notice will include the length of time of the suspension, or the nature of the lesser disciplinary action. The Vice President of Student Services (or designee) decision on a short-term suspension shall be final.

6. Long-term Suspension
Within 5 days after the meeting described above, the Vice President of Student Services (or designee) may decide to impose a long-term suspension. Written notice of the Vice President of Student Services’ (or designee) decision shall be provided to the student. The written notice will include the right of the student to request a formal hearing and a copy of the College Student Discipline (Due Process) Procedures describing the procedures for a hearing.

7. Expulsion
Within 5 days after the meeting described above, the Vice President of Student Services (or designee) may decide to recommend expulsion to the President. The Student Disciplinary Hearing Panel shall be convened to provide a recommendation to the President. The President shall then decide whether to make a recommendation of expulsion to the Chancellor and Board of Trustees. Written notice of the President’s (or designee’s) decision to recommend expulsion shall be provided to the student. The written notice will include the right of the student to a formal hearing with the Board of Trustees before expulsion is imposed, and a copy of the College Student Discipline (Due Process) Procedures describing the procedures for a hearing.

c. A disciplinary action is imposed, and the decision of the Vice President of Student Services (or designee) is final due to the form of the discipline.

d. A disciplinary action of a long-term suspension is imposed and the student does not accept the long-term suspension. The student must file at the Office of the President a written notice of intent to appeal to the Student Disciplinary Hearing Panel within 5 days of the written decision from the Vice President of Student Services (or designee).

e. A recommendation for expulsion is made by the Vice President of Student Services (or designee) to the College President.
6. The student may represent himself or herself, and may also have the right to be represented by a person of his or her choice, except that the student shall not be represented by an attorney unless, in the judgment of the hearing panel, complex legal issues are involved. If the student wishes to be represented by an attorney, a request must be presented not less than 5 days prior to the date of the hearing. If the student is permitted to be represented by an attorney, the college representative may request legal assistance. The hearing panel may also request legal assistance; any legal advisor provided to the panel may sit with it in an advisory capacity to provide legal counsel but shall not be a member of the panel nor vote with it.

7. Hearings shall be closed and confidential unless the student requests that it be open to the public. Any such request must be made no less than 5 days prior to the date of the hearing.

8. In a closed hearing, witnesses shall not be present at the hearing when not testifying, unless all parties and the panel agree to the contrary.

9. The hearing shall be recorded by the District either by tape recording or stenographic recording, and shall be the only recording made. No witness who refuses to be recorded may be permitted to give testimony. In the event the recording is by tape recording, the hearing panel chair shall, at the beginning of the hearing, ask each person present to identify himself or herself by name, and thereafter shall ask witnesses to identify themselves by name. Tape recording shall remain in the custody of the District at all times, unless released to a professional transcribing service. The student may request a copy of the tape recording.

10. All testimony shall be taken under oath; the oath shall be administered by the hearing panel chair. Written statements of witnesses under penalty of perjury shall not be used unless the witness is unavailable to testify. A witness who refuses to be tape-recorded is not unavailable.

11. Within 10 days following the close of the hearing, the hearing panel shall prepare and send to the President (or designee) a written recommendation regarding the disciplinary action to be imposed, if any. The recommendation shall include specific factual findings regarding the accusation, and shall include specific conclusions regarding whether any specific section of the Standards of Student Conduct was violated. The decision shall be based only on the record of the hearing, and not on matter outside of that record. The record consists of the original accusation, the written response, if any, of the student, and the oral and written evidence produced at the hearing.

IX. President’s (or Designee’s) Decision
   A. Long-term suspension
      Within 5 days following receipt of the hearing panel’s recommendation, the President (or designee) shall render a final written decision based on the recommendations of the hearing panel and the Vice President of Student Services (or designee). If the President (or designee) modifies or rejects the hearing panel’s recommendation, the President shall review the record of the hearing, and shall prepare a written decision that contains specific factual findings and conclusions. The decision of the President (or designee) shall be final.

   B. Expulsion
      Within 5 days following receipt of the hearing panel’s recommendation, the President (or designee) shall render a written decision either to recommend expulsion or to impose a lesser form of discipline. If the President (or designee) modifies or rejects the hearing panel’s decision, he or she shall review the record of the hearing, and shall prepare a written decision that contains specific factual findings and conclusions. If the President (or designee) decides to recommend expulsion, such recommendation shall be forwarded to the Chancellor and Board of Trustees.

X. Chancellor’s Decision
   A student may, within 10 days of the President’s decision to impose long-term suspension or to recommend expulsion, appeal the decision in writing to the Chancellor. For long-term suspensions, the Chancellor (or designee) shall issue a written decision to the parties and the representatives within ten days of the receipt of the President’s decision. For expulsions, the Chancellor shall forward the President’s recommendation to the Board of Trustees within 10 days and provide an independent opinion as to whether he or she also recommends expulsion.

XI. Board of Trustees’ Decision
   A. Long-Term Suspension Appeal
      The Chancellor’s (or designee’s) decision regarding long-term suspension may be appealed to the Board of Trustees within 10 days of receipt of the Chancellor’s decision. The Board will consider the appeal request, along with the Chancellor’s decision, at the next regularly scheduled meeting. The Board may reject the appeal request and uphold the Chancellor’s decision, or accept the appeal and conduct a hearing. The Board’s procedures for hearing of long-term suspension will be similar to the procedures required for expulsion hearings.

   B. Expulsion
      1. The Board of Trustees shall consider any recommendation from the President for expulsion at the next regularly scheduled meeting of the Board after receipt of the recommended decision.
      2. The Board shall consider an expulsion recommendation in closed session, unless the student has requested that the matter be considered in a public meeting in accordance with these procedures. (Education Code Section 72122)
      3. The student shall receive written notice at least three days prior to the meeting of the date, time, and place of the Board’s meeting.
4. The student may, within 48 hours after receipt of the notice, request that the hearing be held as a public meeting.
5. Even if a student has requested that the Board consider an expulsion recommendation in a public meeting, the Board will hold any discussion that might be in conflict with the right to privacy of any student other than the student requesting the public meeting in closed session.
6. The Board may accept, modify or reject the findings, decisions and recommendations of the President (or designee) and Chancellor (or designee). If the Board modifies or rejects the decision, the Board shall review the record of the hearing, and shall prepare a written decision that contains specific factual findings and conclusions. The decision of the Board shall be final.
7. The final action of the Board on the expulsion shall be taken at a public meeting, and the result of the action shall be a public record of the District.

XII. Time Limits
Any times specified in these procedures may be shortened or lengthened if there is mutual concurrence by all parties.

XIII. Student Grievance
A. Students who believe that they have been improperly subjected to any of the disciplinary measures stated in this policy may file a Student Grievance with the Vice President of Student Services in accordance with Board Policy 5530 Student Rights and Grievance.
B. Students in Allied Health Programs: Board Policy 5531 (Allied Health: Student Appeal of Dismissal for Clinical Performance) may apply in lieu of this Board Policy to students who are enrolled in the Allied Health program for clinical performances.

AP 5530: STUDENT RIGHTS AND GRIEVANCE PROCEDURE
The purpose of this procedure is to provide a prompt and equitable means of resolving student grievances. This procedure shall be available to any student who reasonably believes an experience or decision has adversely affected his or her status, rights or privileges as a student. A grievance may be initiated by a student against an instructor, an administrator, or a member of the classified staff. A grievance may also be initiated against another student.

I. Grounds for Filing Student Grievances
The Student Grievance Procedure shall apply only to grievances involving:

A. Academic (Grade) Grievance:
A complaint alleging mistake, fraud, bad faith or incompetence in the academic (grade) evaluation of student performance.

B. Violation of Law, Policy, and Procedures:
1. Violation of rights which a student is entitled to by law or District policy, including financial aid, exercise of free expression, rules for student conduct, admission, probation, or suspension or dismissal policies.
2. Act or threat of physical aggression.
3. Act or threat of intimidation or harassment.

C. This Student Grievance Procedure does not apply to:
1. Police Citations (i.e. “Tickets”)
Complaints about citations must be directed to the Campus Police in the same way as any traffic violation.
2. Discrimination, Sexual Assault or Sexual Harassment
Any student who feels he/she has been or is presently an alleged victim of sexual harassment, may first contact the Vice President of Student Services to file a complaint verbally or in writing, or may directly contact the District’s Equal Opportunity Coordinator at 333 East Eighth Street, Oakland, CA 94606, (510) 466-7220. At the time a complaint is made known, a copy of the complaint procedures and a complaint form shall be made available to the complainant. For additional information regarding reporting of discrimination, sexual assault or sexual harassment, please refer to Discrimination Complaint Procedures in this catalog.

II. Definitions
A. Party: The student or any persons claimed to have been responsible for the student’s alleged grievance, together with their representatives. “Party” shall not include the Grievance Hearing Committee.
B. Student: A currently enrolled student, a person who has filed an application for admission to the college, or a former student. A grievance by an applicant shall be limited to a complaint regarding denial of admission. Former students shall be limited to grievances relating to course grades to the extent permitted by Education Code Section 76224(a).
C. Respondent: Any person claimed by a grievant to be responsible for the alleged grievance.
D. Observer: An individual who is present at a hearing to observe the proceeding, but shall not be allowed to speak and address the committee.
E. Written Notice/Written Decision: Notice sent by personal service or by registered or certified mail with return receipt requested via the U.S. Postal Service.
F. Day: Unless otherwise provided, day shall mean a day during which the college is in session and regular classes are held, excluding Saturdays, Sundays, and District holidays.
III. Grievance Process

A. Informal Resolution

Within 30 days of the allegation, each student who has a grievance shall make a reasonable effort to resolve the matter on an informal basis prior to requesting a grievance hearing:

1. For an academic (grade) grievance, the student shall make an appointment with the faculty against whom he/she has a grievance during the faculty member's posted office hours or at a mutually-agreed-upon time, in order to discuss the student's complaint. Should the faculty against whom the student has an academic complaint fail to meet with the student in a timely manner, the student may meet with the Division Dean of Instruction of the faculty member.

2. For a grievance based on an alleged violation of law, policy, and procedures, the student shall attempt to solve the problem with the person with whom the student has the grievance, that person's immediate supervisor, or the Vice President of Student Services (or designee).

B. Formal Complaint Procedures

Any student who believes he/she has a grievance must file an approved grievance complaint form with the Vice President of Student Services (or designee). The student may obtain the form from the Office of the Vice President of Student Services.

The student must file within 90 days of the incident on which the grievance is based, or after the student knew or should have known of the basis for the grievance, whichever is later. The grievance complaint must be filed whether or not the student has already initiated efforts at informal resolution, if the student wishes the grievance to become official. Failure to file a formal complaint within such ninety (90) day period constitutes waiver of the student's right to appeal.

1. Filing Complaint

The complaint must include the following:

a. The exact nature of the complaint (grounds)

b. The specific details of the complaint (e.g., chronology of the event and an explicit description of the alleged violation)

c. A description of the informal meeting and attempted resolution, if any

d. The specific resolution/remedy sought

e. Complaint should be filed with Vice President of Student Services.

2. Meeting with Vice President of Student Services (or Designee)

The Vice President of Student Services (or designee) shall provide to the person against whom the grievance has been filed a copy of the grievance and a copy of the procedure. The Vice President of Student Services (or designee) will provide the grievant with a written copy of the policy and procedures and answer all questions regarding the policy, including the student's rights and responsibilities in the process of filing a grievance. For academic (grade) grievance, the Vice President of Student Services (or designee) will inform the student that a grade change may only be made where there is a finding of fraud, mistake, bad faith or incompetence. The student and Vice President of Student Services (or designee) shall attempt to reach an informal resolution.

3. Request for Grievance Hearing

If an informal resolution cannot be reached, the Vice President of Student Services (or designee) shall make a request for records and documents from the student filing the complaint and forward copies of all documents pertinent to the alleged violations to the Chair of the Grievance Committee and the parties. Documents or accusations not specifically related to the alleged violations shall not be forwarded to the committee or the parties.

a. For academic (grade) grievance, the Chair shall request records and documents from the faculty member against whom the complaint has been filed.

b. For grievance based on an alleged violation of law, policy, and procedures, the Chair shall request records and documents from the party against whom the complaint has been filed. The Grievance Hearing timeline may be tolled (postponed) pending a formal investigation of any discrimination claims by or against the student. Such investigation must be concluded no later than 90 calendar days as required by law.

4. Grievance Hearing Committee

Within 90 days following receipt of the grievance complaint form, the Grievance Hearing Committee shall conduct a hearing. The following College Grievance Committee members shall be appointed for a term of one academic year as follows:

a. The Vice President of Instruction, who shall Chair the committee;

b. One faculty member (and one alternate) jointly appointed by the PFT and the Faculty Senate;

c. One administrator (and one alternate) jointly appointed by the College President;

d. One student (and one alternate) appointed by the President of the Associated Students;

Additional committee member:

e. For academic (grade) grievances, one faculty member (and one alternate) jointly appointed by the PFT and the Faculty Senate; or

f. For other grievances, one classified employee (and one alternate) jointly appointed by Local 790 and the Classified Senate.

A committee member shall withdraw from participation in the hearing if a conflict of interest is anticipated, in which case the alternate member shall serve. The members of the Committee shall be provided with a copy of the grievance and any written response provided by the respondent before the hearing begins. Four-fifths of the members of the committee shall be present in order for the committee to act.
5. Hearing Procedure  
   a. The Vice President of Instruction, as Chair, shall provide written notice, including the date, time and place of the hearing to both parties at least ten days prior to the hearing. The notice shall be hand-delivered or sent by certified mail and shall include a copy of the complaint.  
   b. The Chair shall provide the involved complainant with a written summary of rights he/she may be entitled to by law or contract at least 10 days before the hearing. For academic (grade) grievance, the Chair of the committee shall provide the involved faculty member with a written summary of rights he/she may be entitled to by law or contract at least 10 days before the hearing. Both parties shall be given adequate time (at least 10 days) to read and review all documents, consistent with privacy laws. This right may be waived by either party. Both parties shall be informed that all relevant evidence presented to the hearing committee, whether written or oral, may be used against them in this or any other proceeding unless otherwise prohibited by law. The written notice shall inform the parties of this fact. The Chair of the committee shall inform both parties orally of this fact at the commencement of the hearing.  
   c. The decision of the Chair shall be final on all matters relating to the conduct of the hearing unless there is a vote by a majority of the other members of the panel to the contrary. The Chair may do whatever is necessary, so long as it is legally permissible, to ensure that the hearing is conducted in a fair, dignified and orderly manner.  
   d. The Chair of the committee may exclude a witness from the hearing when the witness is not giving testimony.  
   e. Anyone who disrupts the proceeding or interferes shall be excluded from the proceeding.  
   f. All information derived from the complaint is confidential. Information may not be made public nor discussed with anyone except those with a legitimate need to know.  
   g. The hearing shall be open only to persons directly involved in the matters to be heard. The bargaining agent representing the respondent may send an observer to any hearing.  
   h. The committee may call in “expert witnesses” if the subject of the grievance is beyond their expertise.  
   i. The committee shall inform the witnesses (other than the accused) in writing that they are sought for interview purposes and their participation in the process is requested by the committee. Witnesses shall also be informed as to the purpose of the interview, the general subject of the interview, and their right to request representation by anyone of their choosing and their participation in the process is requested by the committee. Witnesses shall also be informed as to the purpose of the interview, the general subject of the interview, and their right to request representation by anyone of their choosing and their participation in the process is requested by the committee.  
   j. Any member of the committee may ask questions of any witness.  
   k. The hearing shall be conducted so as to bring all of the relevant information and evidence to the members of the committee in an orderly and intelligible form. Formal rules of evidence shall not apply. Any relevant evidence shall be admitted, if it is the sort of evidence on which responsible persons are accustomed to rely upon in the conduct of serious affairs. Accusations not specifically related to the alleged violation shall not be considered relevant. The rules of privilege shall apply to the same extent that they are recognized in civil actions.  
   At all steps of the process, both the student filing and the other party have the right to be accompanied, advised and represented by a person or counsel of their choosing. If either party wishes to be represented by an attorney, a request must be presented not less than 10 days prior to the date of the hearing. If the student is permitted to be represented by an attorney, the college representative may request legal assistance. The hearing committee may also request legal assistance; any legal advisor provided to the panel may sit with it in an advisory capacity to provide legal counsel but shall not be a member of the panel nor vote with it.  
   l. If the respondent or his/her representative, or both, are absent from all or a part of the hearing, the committee shall make its recommendations on the basis of whatever evidence is submitted before the hearing and on whatever evidence and testimony is presented to the committee during the hearing.  
   m. The committee shall make all evidence, written or oral, part of the record.  
   n. The committee shall judge the relevancy and weight of testimony and evidence and make its findings of fact, limiting its investigation to the formal charge. The decision shall be based only on the record of the hearing, and not on matter outside of that record.  
   o. The burden shall be on the grievant to prove by a preponderance of the evidence that the facts alleged are true and a grievance has been sufficiently established.  
   p. The hearing date may be postponed or continued at the discretion of the Chair of the committee. Both parties shall be given notice of the new or continued hearing date.  
   q. The votes of the majority of the members present (at least 3 votes) are necessary in order for the committee to make a recommendation to the Vice President of Student Services.  
   r. The Chair of the committee shall notify the Vice President of Student Services of the committee's recommendation within 10 days.  
   s. A summary record of the proceedings held in a closed session shall be kept in a confidential file by the Vice President of Student Services and shall be available at all times to the accused person. The Vice President of Student Services has the responsibility to ensure that a proper record is maintained and available at all times.
6. Final Decision by Vice President of Student Services

Based on the grievance hearing committee's recommendations, the Vice President of Student Services (or designee) may accept the recommendation, return it to the committee for further review, or reject it. Within 10 days of receipt of the committee's recommendation, the Vice President of Student Services (or designee) shall send written notification to the parties and committee informing them of:

a. The committee's recommendation;

b. The final decision by Vice President of Student Services; and

c. Appeals procedure

Any decision to reject findings of the committee must be supported by a summary finding of fact. The decision to recommend a grade change must be supported by a summary finding of fact, establishing mistake, fraud, bad faith or incompetence.

7. Appeals

a. President's Decision

The President of Student Services' (or designee's) decision may be appealed by either party in writing within 10 days of the President of Student Services' (or designee's) decision. The President shall issue a written decision to the parties and their representatives within ten (10) days of receipt of the appeal. A decision to change a grade must be supported by a summary finding of fact, establishing mistake, fraud, bad faith or incompetence.

b. Chancellor's Decision

The Chancellor's decision may be appealed to the Chancellor in writing within 10 days of receipt of the decision. The Chancellor, or designee, shall issue a written decision to the parties and the representatives by certified mail within 10 days of the receipt of the decision. A decision to change a grade must be supported by a summary finding of fact, establishing mistake, fraud, bad faith or incompetence.

c. Board of Trustees' Decision

The Board of Trustees' decision may be appealed to the Board of Trustees in writing within 10 days of the receipt of the decision. The Board will review the documentation of the prior steps of the case and determine whether to confirm the Chancellor's decision or hear the appeal. If the Board confirms the Chancellor's decision, the appellant has exhausted his or her remedies. If the Board decides to consider the appeal, it will do so in closed session subject to Education Code 72122, and will issue a final decision within forty-five (45) days after receipt of the decision. A decision to change a grade must be supported by a summary finding of fact, establishing mistake, fraud, bad faith or incompetence. Implementation of any grade change shall be held in abeyance until the internal appeal process has been exhausted. All recommendations, resolutions, and actions taken by the Board of Trustees shall be consistent with the State and Federal law, the Peralta Community College District Policies and Procedures, and the PFT and Local 790 Collective Bargaining Agreements. (In the event of a conflict between the Collective Bargaining Agreement and the PCCD Policies and Procedures, the Collective Bargaining Agreement shall govern.)

8. Time Limits

Any times specified in these procedures may be shortened or lengthened if there is mutual concurrence by all parties.

AP 3550 requires the Peralta Community College District to maintain campuses where students are prohibited from the unlawful manufacture, distribution, dispensing, possession, or use of controlled substances and from the use of alcohol.

A. For purposes of this administrative procedure, campus shall mean those places where a student is engaged in an authorized college activity. The campus includes property owned or leased by the District; property used by the District for student participation in field trips, field study, athletic competition, or study travel programs; and District or private vehicles while being used for official District business.

B. All students are required to comply with this procedure to remain in good standing and as a condition of continued attendance in any of the District's colleges. Any violation of this procedure will be cause for disciplinary action against the student, up to and including expulsion, and/or may require the student to participate satisfactorily in a substance abuse assistance or rehabilitation program. Student discipline shall be accomplished in accordance with the provisions of AP 5520 Student Discipline Procedures.

C. Any student who needs information about substance abuse treatment may consult a counselor, who can provide the student with information about available treatment resources. The District does not provide substance abuse treatment.

D. The District shall provide annual notice to its students in the "Standards of Student Conduct" document of the prohibitions stated in this policy, including a description of the health risks associated with drug or alcohol abuse and of the District and community resources available for counseling and rehabilitation of those persons with alcohol or drug-related problems. The District shall also provide notice of the consequences of campus illicit drug and alcohol abuse violations, including possible criminal sanctions and student disciplinary action up to and including expulsion pursuant to applicable state law and District policy and administrative regulations. The purpose of such sanctions and discipline is to urge the students to begin the personal process of rehabilitation.
AP 3570: SMOKING

I. Applicability
Smoking is prohibited in all indoor and outdoor Peralta Community College District’s ("PCCD") campus locations and District Administrative Centers, except for the following areas:

A. Merritt College:
   No exceptions designated.

B. College of Alameda:
   The area immediately outside the southwest corner of parking lot B; The grass area immediately to the east of the southernmost parking lot which is near buildings A and L.

C. Laney College:
   No exceptions designated.

D. Merritt College:
   All parking lots, except parking lots adjacent to the child care center, between buildings A & D, and the faculty and staff parking lot behind the A Building.

E. District Administrative Center Offices:
   50 feet away from all buildings in the parking lot behind the main Administrative Office building.

II. Penalties
A. Violations of the smoking procedures of PCCD are subject to a fine equal to the current fee for parking violations. However, smoking fines shall be limited to a maximum fine of $100. Persistent offenders, 3 offenses or more, shall be fined $100.

B. If payment is not received within 21 calendar days, the offenders will be notified of the consequences of failure to pay.

C. Payment must be sent to: Parking Enforcement Center, PO Box 6010, Inglewood, CA 90312. Check or money order shall be made payable to the "Peralta Community College District".

III. Enforcement Procedure
A. Citation Enforcement
   1. Peralta Police Services and other security entities (collectively, "Security Personnel") shall have authority to issue citations for violations of PCCD’s smoking policy using the procedures established herein.
   2. Citations shall be issued using the Peralta Police Services Notice of Parking Violations.
   3. All Security Personnel who issue smoking citations shall complete all sections of the citation and shall include personally identifiable information, based on information required and available.
   4. Security Personnel will leave a copy of the citation with the individual being cited.
   5. Voiding Citations. A citation shall only be voided if it is determined that the citation was written in error, prior to the citation being issued. Once the citation has been issued, the citation may only be dismissed through the administrative review process.
      a. Write void on all copies of the citation; and
      b. Submit all voided copies to the Peralta Police Services office.
   6. All copies of each voided citation will be filed and maintained for one year.

B. Citation Correction Notice
   1. If an error was written on a smoking citation, but the citation is valid on its face, the Security Personnel who issued the citation shall complete a Citation Correction Notice.
   2. If the error is discovered by a person other than the issuing Security Personnel, the citation will be returned to the issuing Security Personnel.
   3. Once the error is confirmed, the issuing Security Personnel will complete a Notice of Correction and forward it to Peralta Police Services Administrative Sergeant for review.
   4. Once the Notice of Correction has been reviewed, it will be mailed to the individual cited on the citation.
   5. A copy of the Notice of Correction will be attached to the original citation and filed.

IV. Appeals (3 Levels)
A. Request for Citation Cancellation (Level 1)
   1. An individual may request a Citation Cancellation within 21 calendar days of the citation issuance date.
   2. Requests for cancellation must be done in writing on the Citation Cancellation form. Forms are located at the Peralta Police Services Office, 333 E. 8th Street, Oakland, CA 94606.
   3. Upon submittal of the Citation Cancellation form, the validity of the appeal shall be evaluated. Any decision made shall be based on the facts as represented on the face of the citation, the review request, and applicable laws and regulations.
      a. For citations issued by Peralta Police Services, their Administrative Sergeant shall evaluate the validity of the appeal.
      b. For citations issued by Security Personnel other than Peralta Police Services, the Vice Chancellor of General Services shall evaluate the validity of the appeal.
4. The evaluating officer can:
   a. Dismiss the violation and request PCCD to remit any payment made;
   b. Find no grounds for dismissal;
   c. Determine that an individual is not a persistent offender; or
   d. Reduce any late fees.
5. Decisions will be mailed to the individual who requested the Citation Cancellation. A copy of the decision will be kept on file until one year after the appeals process has been finalized.

B. Administrative Hearing (Level 2)
1. Individuals dissatisfied with the findings of the Level 1 hearing may request an “Administrative Hearing” (Level 2 hearing).
2. A request for an Administrative Hearing must be made to Peralta Police Services in writing within 21 calendar days from the date that the Level 1 hearing results were mailed.
3. The individual requesting a hearing may provide the information for his/her Administrative Hearing in writing. Forms are located at Peralta Police Services office, 333 E. 8th Street, Oakland, CA 94606. At the time of his/her request, the individual must provide a check or money order made payable to the “Peralta Community College District” for the full amount of the smoking fine. At that time, a formal hearing will be scheduled.
4. The Vice President, Student Services at the appropriate campus and a Peralta Police Services’ hearing Officer will conduct an Administrative Hearing with the contesting party. Once a decision has been reached, the decision will be mailed to the individual.

C. Superior Court (Level 3)
Within 20 days after service of the Level 2, Administrative Hearing decision, an individual may request review by filing an appeal to be heard by the superior court of competent jurisdiction.

V. Allocation of Proceeds from Fines
Funds shall be allocated to the PCCD and its colleges. Allocation shall include, but not be limited to, enforcement, education and promotion of this policy, and tobacco cessation treatment options.

VI. Initial Implementation
Upon the initial implementation of this policy, PCCD shall observe a six-month grace period before any fine is distributed. Warnings shall be issued at the discretion of Security Personnel. During this grace period, PCCD shall inform employees and students of the tobacco use policy and of enforcement measures.

AP 3530: WEAPONS ON CAMPUS
Firearms, knives, explosives or other dangerous objects, including but not limited to any facsimile firearm, knife or explosive, are prohibited on any District campus or in any facility of the District except as detailed below.

Any person who believes that he/she may properly possess a firearm or other weapon on campus or other facility of the District must promptly notify the Peralta Police Services. Kitchen knives are restricted to food services use under the direct supervision of employees and shall remain in food services facilities or with a food service event.

Bringing or possessing any firearms, ammunition, explosives, air guns, slingshots, firecrackers, fireworks, cherry bombs, metal knuckles, Billy clubs, dirks, daggers, ice picks, or knife having blade longer than 5 inches upon the grounds is prohibited, unless the person is authorized to possess such a weapon in the course of his/her employment, has been authorized by a District employee, or is a duly appointed peace officer, who is engaged in the performance of his/her duties.

Weapons are prohibited on any District campus or in any facility of the District, unless the person is authorized to possess such a weapon in the course of his/her employment, has been authorized by District Personnel, or is a duly appointed peace officer, who is engaged in the performance of his/her duties.

I. Applicability
A. These procedures apply to all employees and students of the Peralta Community College District; associates of the District; respective contractors, and guests.
B. These procedures apply to any and all District property, including all campuses, administrative facilities, parking areas, grounds and other publicly-accessible areas, and at all events and activities occurring on District property.
C. These procedures are not applicable to online students unless such a student possesses or uses a weapon (1) while [s]he is physically present on a District campus or at a District-located event or, (2) in violation of federal, state or local law.
II. Definitions
A. “District” may include all colleges within the District, and all administrative, maintenance and other District-owned and/or controlled facilities, lots or open spaces. “Weapon” is any instrument or device designed primarily for use in inflicting death or injury upon a human being or animal, and which is capable of inflicting death upon a human being when used in the manner for which it was designed.

1. Weapons may include, but are not limited to any offensive weapon; firearms of any kind such as pistols, revolvers, or other guns; BB or pellet guns, knives such as daggers, razors, stilettos, switchblade knives or knives with a blade exceeding five inches in length, tasers, stun guns, or other portable devices directing an electric current that are designed to immobilize a person; explosives or incendiaries such as bombs, grenades, or fireworks, poison gas; or simulations of any such items (devices that appear to be real such as a realistic toy, replica, paint-ball gun, etc.).

2. A weapon may also include an object of any sort whatsoever which is used in such a manner as to indicate that the person using the object intends to inflict death or serious injury upon another person, or which is threatened to be used in such a manner, and which, when so used, is capable of inflicting death upon a human being.

3. “Possession” means that the person has actual physical control of the weapon because it is on or in the person’s body, or in an item of personal property belonging to the person (including, but not limited to, a book bag, backpack, briefcase, or purse), or in a space individually assigned to the person. “Possession” also means that the person knows, or should know, of the presence of a weapon within a vehicle which the person owns or operates and that the person has the ability or right, either alone or with any other person, to maintain control of the weapon.

III. Personnel
A. The Vice Chancellor of General Services is responsible for implementing and overseeing these procedures. Peralta Police Services, under contract to the Peralta Community College District, is responsible for the management and enforcement of these procedures.

B. Authorized Personnel for all approvals noted herein are:
   1. Chancellor
   2. Vice Chancellor of General Services
   3. The Captain of Peralta Police Services
   4. The Lieutenant of Peralta Police Services

C. College President of an impacted campus will participate in decision-making as appropriate.

IV. Operating Procedures
A. District Authorized Personnel designated in section III. B above shall work together to develop and implement operating procedures for the safe use, storage and control of firearms and other weapons that may be necessary and appropriate for instructional aids in relevant educational programs and to further the implementation of this policy through more specific procedures.

V. Incident Response
A. Any person who observes a student, faculty, staff, or visitor violating this Policy shall immediately inform any or all of the College President’s office, if on a campus, Peralta Police, Chancellor’s office and Vice Chancellor for General Services.

B. Alleged violations of this policy will be promptly investigated;

C. Policy violations will result in appropriate disciplinary action and may result in referral to law enforcement.

VI. Violations
A. Any person who violates this Administrative Procedure may be subject to:
   1. An order to leave the immediate premises or property owned or controlled by the District;
   2. Arrest for criminal trespass if a previous order to leave the immediate premises or property owned or controlled by the District is refused or disobeyed;
   3. Disciplinary proceedings, up to and including expulsion or termination, if the person is a student, employee, faculty member, or administrator.
   4. Prosecution by local, state, or federal authorities if the person is suspected of and/or in violation of local, state or federal law.

B. Any vendor or contractor who violates the provisions of this policy shall be subject to the termination of his/her business relationship with the System Office and/or affected technical college, as well as possible criminal prosecution.

C. If an individual believes he/she is not responsible for an alleged violation of the Weapons on Campus policy, appeal may be made to the Chancellor or designee within ten (10) business days of receipt of the violation notification from the District.

D. Failure to appeal in writing within the scheduled time period will result in ratification of the violation.

VII. Notification
A. Signage shall be publicly posted at each site that firearms, weapons, and unlawful explosive compounds are prohibited at each college campus, administrative building and other District-owned and controlled property or site.
B. All employees, students, volunteers, visitors, vendors, and contractors must be informed of the following:
   1. Legal implications of prohibiting firearms, weapons, and unlawful explosive compounds on District property or at District sanctioned functions.
   2. Possible penalties associated with violations of this policy.
   3. Reporting procedures to notify appropriate law enforcement agencies of a potential violation.

VIII. Exceptions
   A. All requests for exception to this Policy must be made in writing to the Chancellor or designee prior to the requesting individual entering a District property in possession of a weapon.
   B. Statements must substantiate that requesting individual:
      1. Is a current federal, state or local law enforcement officer or other person who is required by law to carry a weapon, member of the armed forces, campus public safety officer, or person required to carry a weapon by law or official rules of conduct applicable to such person.
      2. Agrees to abide by all policies, procedures and instructions of the District with respect to the possession or use of weapons.
   C. Statement shall identify the specific weapon(s) to be carried.
   D. Authorizing Official, after verifying that request includes required information and gathering any additional information deemed appropriate, shall determine whether (and if so, to what extent) to grant the request.
   E. Determination shall be communicated in writing and considered final.
   F. Permission granted under this Policy shall be confirmed through a written and signed Agreement stating that grantee has read and understands this Policy; understands that the weapon is not to be visible or used, except to the extent required by applicable laws, regulations or rules of conduct; agrees to (a) follow all applicable laws, (b) take all appropriate precautions to secure the weapon, avoid injury or disruption to members of the District community, affiliated entities or unaffiliated third parties, and (c) unconditionally agrees to indemnify and hold harmless the District, its affiliates, respective trustees, employees, agents and representatives against any losses, liabilities and related expenses (including, but not limited to, reasonable attorney fees) that may be incurred in connection with such person's possession or use of a weapon, whether or not such possession or use is determined to be negligent or in violation of this Policy or any applicable law, regulation or rule of conduct.
   G. A person receiving such authorization, which shall only apply to the specific weapon(s) identified in the granted request, shall promptly notify chancellor or designee in writing of:
      a. any loss or theft of the weapon, or
      b. any material change in the facts or circumstances upon which permission was granted.
   H. Upon granting or revoking permission under this Policy, grantee shall immediately furnish written notice to the appropriate District Personnel for the campus or site at which the person to whom permission has been granted will be located.
   I. Except as otherwise set forth in writing by this procedure, permission granted under this Policy:
      1. Shall be effective only for the specific time period for which it is granted unless renewed in writing.
      2. May be revoked at any time, in writing.
      3. Shall terminate automatically when the person to whom permission has been granted leaves the District, College or is suspended for any reason.
   J. Granting of permission applicable to a stated term does not guarantee that this Policy shall not be revised or that permission will remain in effect for the remainder of that term or for any subsequent terms.

IX. Violations
   A. Any student or employee found to be in possession of a firearm or other weapon in violation of this policy is subject to immediate dismissal, termination, and/or prosecution in accordance with applicable statutes.
   B. Any other person in violation of this policy is, in addition to being subject to criminal prosecution under applicable statutes, subject to immediate expulsion from institutional facilities and prohibition against reentry.
AP 3560: ALCOHOLIC BEVERAGES

A. The possession, sale or the furnishing of alcohol on campus is governed by California state law and these procedures. The possession, sale, consumption or furnishing of alcohol is controlled by the California Department of Alcohol and Beverage Control. However, the enforcement of alcohol laws on-campus is the primary responsibility of the District’s campus police or responsible security officers. The campus has been designated “Drug free” and only under certain circumstances is the consumption of alcohol permitted. The possession, sale, manufacture or distribution of any controlled substance is illegal under both state and federal laws. Such laws are strictly enforced by the District’s campus police or responsible security officers. Violators are subject to disciplinary action, criminal prosecution, fine and imprisonment. It is unlawful to sell, furnish or provide alcohol to a person under the age of 21. The possession of alcohol by anyone under 21 years of age in a public place or a place open to the public is illegal. It is also a violation of this policy for anyone to consume or possess alcohol in any public or private area of campus without prior District approval. Organizations or groups violating alcohol or substance policies or laws may be subject to sanctions by the District.

B. Alcoholic beverages on campus are permitted if:

1. The alcoholic beverage is beer or wine for use in connection with a course of instruction, sponsored dinner, or meal demonstration given as part of a culinary arts program at a community college campus, and the instructor or individual has been authorized to acquire, possess, use, sell, or consume it by the College President.

2. A student of at least 18 years of age tastes, but does not swallow or consume, beer or wine for educational purposes as part of the instruction in an enology or brewing degree program, and the beer or wine remains in the control of the instructor.

3. The alcoholic beverage is for use during a non-college event at a performing arts facility built on District property and leased to a nonprofit public benefit corporation.

4. The alcoholic beverage is wine produced by a bonded winery owned or operated as part of an instructional program in viticulture and enology.

5. The alcoholic beverage is wine that is for use during an event sponsored by the District or the Peralta Colleges Foundation in connection with the District’s instructional program in viticulture or the District’s instructional program in enology.

6. The alcoholic beverage is possessed, consumed, or sold, pursuant to a license or permit obtained for special events held at the facilities of a public community college during the special event. "Special event" means events that are held with the permission of the governing board of the community college district as delegated for approval by the College President (if the special event is held at the college) or by the Chancellor (if the special event is held at the district office) that are festivals, shows, private parties, concerts, theatrical productions, and other events held on the premises of the public community college and for which the principal attendees are members of the general public or invited guests and not students of the public community college.

7. The alcoholic beverage is acquired, possessed, or used during an event sponsored by the District or the Peralta Colleges Foundation at a community college-owned facility in which any grade from kindergarten to grade 12, inclusive, is taught, if the event is held at a time when students in any grades from kindergarten to grade 12, inclusive, are not present at the facility.

C. The alcoholic beverage is for use during a fundraiser held to benefit a nonprofit organization that has obtained a license under the Business and Professions Code to do so provided that no alcoholic beverage can be acquired, possessed or used at a football game or other athletic contest sponsored by the District.

Policies and procedures are subject to revision to comply with appropriate laws, requirements, and best practices. For a complete list of Board and Administrative Policies including regarding:

- AP 3440: Service Animals
- AP 3840: Students on Campus
- AP 5140: Disabled Students Programs and Services
- AP 5013: Students in the Military
- AP 5015: Residency Determination
- AP 5030 Student Fees
- AP 5040: Student Records and Directory Information
- AP 5400: Associated Students Organization
- AP 5410: Associated Students Elections
- AP 7500: Volunteers

Please visit: http://web.peralta.edu/trustees/bps-aps
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<td>B.A., San Francisco State University M.S., San Francisco State University</td>
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<td>ELLIOTT, ANN</td>
<td>English</td>
<td>B.A., University of California, Santa Cruz M.A., University of Arizona</td>
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<td>FLEMING, LESLIE</td>
<td>Anthropology</td>
<td>A.A., College of Marin B.A., San Francisco State University M.A., San Francisco State University</td>
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<td>Name</td>
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<td>FORKNER, MANFORD (GUY)</td>
<td>Real Estate</td>
<td>A.A., Riverside City College B.S., San Jose State University Certificate in Real Estate, University of California, Berkeley Extension</td>
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<td>FORLIN, LAURA</td>
<td>Landscape Horticulture</td>
<td>A.A., Diablo Valley College B.S., San Francisco State University M.S., University of California, Davis</td>
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<td>GIORGI, GISELE</td>
<td>Biology, Bioscience</td>
<td>B.S., Georgetown University Ph.D, University of California, Berkeley</td>
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<td>GONZÁLEZ SANTANA, ISELA</td>
<td>English</td>
<td>B.A., University of California, Berkeley M.A., Harvard University</td>
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<td>GRAMPP, CHRISTOPHER</td>
<td>Landscape Horticulture</td>
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<td>HACKETT, TIMOTHY</td>
<td>Librarian</td>
<td>B.A., University of California, Davis M.A., University of California, Berkeley</td>
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<td>HANRAHAN, MONTE</td>
<td>Computer Information Systems</td>
<td>A.A., Merritt College</td>
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<td>HENDERSON, IONA</td>
<td>Nursing, A. D.</td>
<td>A.S., Merritt College A.S., Ohlone College B.S.N., University of Phoenix M.S.N., University of Phoenix</td>
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<td>HOLLISTER, JERRY</td>
<td>Radiologic Science</td>
<td>A.S., City College of San Francisco B.A., Golden Gate University RT (R)</td>
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<td>IDOWU, OLUFUNMILAYO (GRACE)</td>
<td>Medical Assisting, Health Occupations</td>
<td>R.N., Riverside City College B.S.N., California State University, San Bernardino M.S.N., California State University, Sacramento</td>
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<td>JOHNSON, TODD</td>
<td>English</td>
<td>B.A., Vassar College M.A., Howard University</td>
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<td>KELLY, MIA</td>
<td>Nursing, A. D.</td>
<td>A.S., St. Mary's College Diploma, Samuel Merritt College B.S.N., California State University, Dominguez Hills M.S.N., California State University, Dominguez Hills Ed.D, Saint Mary's College</td>
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<td>KHAJA, WASEEM</td>
<td>Mathematics</td>
<td>B.S., Punjab University, Pakistan M.S., Utah State University Ph.D, Manchester University, England</td>
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<td>KHOO, ANGELA</td>
<td>Counselor</td>
<td>B.A., Golden Gate University M.A., Golden Gate University</td>
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<td>LAWSON, DANIEL</td>
<td>Mathematics</td>
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<td>Physical Education</td>
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<td>African-American Studies</td>
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<td>MOY, FRANCES</td>
<td>Disability Services Program, Coordinator/Counselor</td>
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<td>First Year Experience Counselor</td>
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<td>ROSS, DERRICK</td>
<td>Counselor, Sankofa Program</td>
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<td>SALCEDA, JOSE</td>
<td>Counselor, Puente Program</td>
<td>A.A., Napa Valley College</td>
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SCOTT, STEVEN
Biology, Microbiology
B.S., North Carolina Agricultural and Technical State University
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SCURRY, LESLEY
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ROM, PATRICIA  
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SHAPIRO, SAADI  
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SIZEMORE, ROBERT
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M.A., University of the Rockies
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Chapman University

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VICTORIAN, CHARLOTTE
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B.S., San Francisco State University

WALKER, ANTHONY
Custodian, Custodial Department

WOODWARD, DENISE
Staff Assistant/Instruction, Library Arts and
Social Sciences Division I Office
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