Citrus Community College District
1000 West Foothill Boulevard, Glendora, California 91741-1885
www.citruscollege.edu • (626) 963-0323
(TDD) Telecommunication Device for the Deaf, (626) 914-8674 (available 24 hours)
<table>
<thead>
<tr>
<th>Table of Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Welcome to Citrus College: Superintendent/President's Message</strong> .......................................................... 5</td>
</tr>
<tr>
<td>Board of Trustees ............................................................................................................................................ 5</td>
</tr>
<tr>
<td>Institutional Memberships ............................................................................................................................... 6</td>
</tr>
<tr>
<td><strong>2015-2016 Academic Calendar</strong> .................................................................................................................. 6</td>
</tr>
<tr>
<td><strong>Who are We? History, Mission and Community</strong> .......................................................................................... 7</td>
</tr>
<tr>
<td>Overview/History ............................................................................................................................................... 8</td>
</tr>
<tr>
<td>Accreditation and Affiliations .......................................................................................................................... 8</td>
</tr>
<tr>
<td>Mission Statement and Objectives .................................................................................................................... 8</td>
</tr>
<tr>
<td>Vision and Values ............................................................................................................................................. 9</td>
</tr>
<tr>
<td>Foundation and Alumni .................................................................................................................................... 9</td>
</tr>
<tr>
<td>Citrus College: A College of Completion ........................................................................................................ 10</td>
</tr>
<tr>
<td>College Directory .............................................................................................................................................. 11-14</td>
</tr>
<tr>
<td><strong>How Do I Get Started? Admission and Registration</strong> .................................................................................. 15</td>
</tr>
<tr>
<td>Admission ........................................................................................................................................................ 15</td>
</tr>
<tr>
<td>International Student Admission ..................................................................................................................... 15</td>
</tr>
<tr>
<td>High School Students ...................................................................................................................................... 15</td>
</tr>
<tr>
<td>How to Apply ................................................................................................................................................... 15-16</td>
</tr>
<tr>
<td>Residency Requirements ................................................................................................................................. 16</td>
</tr>
<tr>
<td>Transcripts ....................................................................................................................................................... 16-17</td>
</tr>
<tr>
<td>Class Schedules ............................................................................................................................................... 17</td>
</tr>
<tr>
<td>Registration ..................................................................................................................................................... 17-18</td>
</tr>
<tr>
<td>Unit Limitations ............................................................................................................................................. 18</td>
</tr>
<tr>
<td>WingSpan ......................................................................................................................................................... 18</td>
</tr>
<tr>
<td>Waitlist ............................................................................................................................................................ 18</td>
</tr>
<tr>
<td>Add Codes ....................................................................................................................................................... 18</td>
</tr>
<tr>
<td>Enrollment Verification ..................................................................................................................................... 18-19</td>
</tr>
<tr>
<td>Distance Education .......................................................................................................................................... 19</td>
</tr>
<tr>
<td>Fees and Expenses .......................................................................................................................................... 19-20</td>
</tr>
<tr>
<td>Refund Policy ................................................................................................................................................ 20</td>
</tr>
<tr>
<td>Student Financial Obligations ....................................................................................................................... 20</td>
</tr>
<tr>
<td>Cancelled Classes .......................................................................................................................................... 20</td>
</tr>
<tr>
<td><strong>How Do I Adjust to Campus Life? Student Success and Support Program</strong> ................................................. 21</td>
</tr>
<tr>
<td>Assessment, Orientation, and Counseling ..................................................................................................... 21</td>
</tr>
<tr>
<td>Student Success and Support Program ........................................................................................................ 21</td>
</tr>
<tr>
<td>Matriculation .................................................................................................................................................. 21</td>
</tr>
<tr>
<td>Criteria for Exemption from Matriculation .................................................................................................... 21</td>
</tr>
<tr>
<td>What is Assessment? ..................................................................................................................................... 21-22</td>
</tr>
<tr>
<td>What is Required Orientation? .................................................................................................................... 22</td>
</tr>
<tr>
<td>Counseling/Advisement ................................................................................................................................. 22-23</td>
</tr>
<tr>
<td>Prerequisites, Co-Requisites, and Recommendations ................................................................................ 23</td>
</tr>
<tr>
<td>Verification of Prerequisites .......................................................................................................................... 23</td>
</tr>
<tr>
<td>Challenging Prerequisites ............................................................................................................................ 23-24</td>
</tr>
<tr>
<td><strong>Información en Español</strong> .......................................................................................................................... 25</td>
</tr>
<tr>
<td>Admisión ......................................................................................................................................................... 25</td>
</tr>
<tr>
<td>Estudiantes de la Preparatoria ....................................................................................................................... 25</td>
</tr>
<tr>
<td>Cómo Solicitar Admisión ................................................................................................................................. 26</td>
</tr>
<tr>
<td>Requisitos de Residencia ............................................................................................................................... 26</td>
</tr>
<tr>
<td>Exención para no Pagar la Colegiatura Como No Residente de California (AB 540) .................................. 26-27</td>
</tr>
<tr>
<td>Cuotas y Gastos .............................................................................................................................................. 27</td>
</tr>
<tr>
<td>Póliza de Reembolso de Cuotas .................................................................................................................... 28</td>
</tr>
<tr>
<td>Obligaciones Financieras de los Estudiantes ................................................................................................. 28</td>
</tr>
<tr>
<td>Ayuda Financiera ............................................................................................................................................. 28-33</td>
</tr>
<tr>
<td>Asesoría y Orientación Qué es la Asesoría? ................................................................................................ 34</td>
</tr>
<tr>
<td>Que es una Orientación Requerida? ............................................................................................................ 35</td>
</tr>
<tr>
<td>Consejería/Asesoría Académica ..................................................................................................................... 35-36</td>
</tr>
<tr>
<td>EOP&amp;S/CARE ............................................................................................................................................... 36</td>
</tr>
<tr>
<td>Educación Continua y Educación Nocédito ................................................................................................... 36-38</td>
</tr>
<tr>
<td>Lista de personal que habla español: .......................................................................................................... 38</td>
</tr>
<tr>
<td><strong>What are the Rules? Academic Policies and Requirements</strong> ..................................................................... 39</td>
</tr>
<tr>
<td>Attendance Policy ........................................................................................................................................... 39</td>
</tr>
<tr>
<td>Absences ......................................................................................................................................................... 39</td>
</tr>
<tr>
<td>Adding and Dropping Classes ...................................................................................................................... 39</td>
</tr>
<tr>
<td>Instructor Drop ............................................................................................................................................ 39</td>
</tr>
<tr>
<td>Auditing Courses .......................................................................................................................................... 39</td>
</tr>
<tr>
<td>Program Changes: Adding and Dropping Classes ...................................................................................... 39</td>
</tr>
<tr>
<td>Credits, Grades and Academic Status .......................................................................................................... 39</td>
</tr>
<tr>
<td>Academic Record Symbols and Grade Points ............................................................................................. 39-40</td>
</tr>
<tr>
<td>Evaluating Academic Progress .................................................................................................................. 40-41</td>
</tr>
<tr>
<td>Probation, Dismissal and Reinstatement ....................................................................................................... 41-42</td>
</tr>
<tr>
<td>Course Repetition ....................................................................................................................................... 42</td>
</tr>
<tr>
<td>New Rules on Course Repeatability and Course Families ......................................................................... 42-44</td>
</tr>
<tr>
<td>Pass/No Pass Courses ................................................................................................................................ 44</td>
</tr>
<tr>
<td>Credit by Examination ................................................................................................................................ 44-45</td>
</tr>
<tr>
<td><strong>Citrus College Credit for Advancement Placement (AP) Tests</strong> .................................................................. 46-51</td>
</tr>
</tbody>
</table>
How Does Citrus Recognize High Achievement?
*Honors Programs and Recognition*
- Academic Honors ........................................... 52
- Achievement Awards ...................................... 52
- Honors at Graduation ...................................... 52
- Honors Program ............................................. 52
- Honor Societies ............................................. 52

Who Records My Grades and Credits?
*Policies Regarding Academic Records*
- Academic Records ......................................... 53
- Academic Renewal ......................................... 53
- Transcripts .................................................... 53
- Challenge of Educational Records .................... 53

Where Do I Find Help and How Do I Become Involved? Student Services and Student Life
- Admissions and Records .................................... 54
- Athletics ....................................................... 54
- Bookstore ..................................................... 54-55
- CalWORKs ..................................................... 55
- Campus Safety ............................................... 55
- Cashier .......................................................... 55
- Center for Teacher Excellence ............................ 55-56
- Counseling & Advisement Center ..................... 56
- Disabled Students Programs & Services ............. 56
- EOP&S/CARE ................................................ 56
- Financial Aid .................................................. 57-62
- Food Services ............................................... 62
- Health Center ............................................... 62-63
- International Student Center ............................. 63
- Student Employment Services ........................... 63
- Student Government and Student Affairs .......... 63
- Student Activities and Organizations ................ 63
- Transfer Center ............................................. 63-64
- Veterans Success Center .................................. 64

What Additional Resources are Available at Citrus? Campus Facilities and Learning Resources
- Adaptive PE/Fitness Center ............................. 65
- Aquatic Center .............................................. 65
- Art & Coffee Bar ............................................ 65
- Art Gallery .................................................... 65
- Athletics Facilities ......................................... 65
- Campus Center ............................................. 65
- Cashier/Bursar Offices .................................... 65-66
- College Success Program ................................ 66
- Golf Driving Range ........................................ 66
- Haugh Performing Arts Center .......................... 66-67
- Learning Center ............................................ 67
- The Writing Center ........................................ 67
- Library Services ............................................ 67-68
- STEM Resource Center .................................. 68
- Study Abroad Program .................................... 68
- Technical Services and Computer Labs ............. 68
- What Programs of Study Does Citrus College Offer? .................................................. 69-72

How Do I Earn a Degree at Citrus College?
*Programs of Study Leading to an Associate Degree*
- Degree Requirements ...................................... 73
- Degree Programs List ....................................... 73
- Associate Degrees for Transfer ........................ 73
- Core Competencies and Student Learning
  - Outcomes .................................................... 74

Graduation Requirements for an Associate Degree
- Associate in Art and Associate in Science Degrees ... 75-76
- Associate in Art and Associate in Science Degrees for Transfer ............................................. 76
- General Education Philosophy and Requirements ........................................... 76-81
- Application for Graduation ................................ 81-82
- Planning for Transfer ...................................... 82
- California State University ................................ 82-88
- University of California ................................... 89-90
- Interssegmental General Transfer Curriculum (IGETC) ...................................................... 90-94

Associate Degrees
- Associate Degrees for Transfer ........................ 95
- Associate Degrees (A.A. and A.S.) ..................... 95-130

What Career and Technical Programs Does Citrus Offer? Programs of Study Leading to a Certificate of Achievement
- Program Listings ........................................... 131
- Programs of Study ........................................... 132-154

How Do I Earn a Skill Award From Citrus? Programs of Study Leading to a Skill Award
- Program Listings ........................................... 155
- Programs of Study ........................................... 155-159

How Do I Earn a Noncredit Certificate of Competency or Completion from Citrus? 160-161
Does Citrus Offer Courses for Growth and Development? Continuing, Noncredit and Community Education
- Continuing Education .............................................. 162
- Noncredit Education ................................................. 162
- Community Education .............................................. 162-163

Citrus College Institutional Outcomes ...................... 164-176

How are Citrus College’s Academic Programs Organized? Academic Divisions, Departments, and Subjects
- Subjects by Division and Department ......................... 177
- Course Code Directory .............................................. 178
- A Guide to Understanding the Course
  - Descriptions ..................................................... 179

Course Descriptions
- Credit Courses ...................................................... 187-281
- Noncredit Courses ................................................ 180-187

College Policies and Notices: Rules for Safety and Success
- Academic Freedom Statement .................................. 282
- Academic Honesty .................................................. 282
- Athletic Eligibility .................................................. 282
- Drug Free Policy ..................................................... 282
- Campus Disturbances .............................................. 282
- Cheating and Plagiarism .......................................... 282
- Code of Conduct ...................................................... 282-283
- Standards of Conduct .............................................. 283-284
- Driving and Parking ............................................... 284
- Grievance Procedures .............................................. 284
- Hazing ................................................................. 284
- Sexual Violence and Sexual Harassment
  - Prevention ......................................................... 284-286
- Smoking on Campus .............................................. 286
- Substance Abuse Policy .......................................... 286

Notices
- Campus Safety ....................................................... 286-287
- Registered Sex Offender Information ......................... 287
- Catalog Rights ......................................................... 287
- Continuous Enrollment ........................................... 287
- Nondiscrimination Policy ........................................ 287
- Open Enrollment ..................................................... 287
- Public Safety ......................................................... 287
- Student Rights and Privacy Act ................................. 287-288

Student Right-to-Know ............................................. 288

Faculty and Administrators ...................................... 289-295

Faculty and Administrators Emeriti ........................ 296-299

Definitions ............................................................. 300-301

Maps ........................................................................ 302

Index ........................................................................ 303-305

Notice to Students
The information contained in this catalog is advisory only and does not constitute a contractual agreement by the college or guarantee that course content will be strictly followed or fulfilled. Citrus College and the Citrus Community College District reserves the right to change at any time, without notice, academic requirements to graduate, curriculum course content and structure, and such other matters as may be within their control, notwithstanding any information set forth in this catalog.

All changes, corrections, and revisions to the catalog that occur after printing will be posted in the online version of the catalog and accessed by visiting www.citruscollege.edu.

There is a $3.00 charge for the Citrus College Catalog.

Citrus College publications are available in an alternate format upon request by persons with verifiable disabilities.

Citrus College is an Equal Opportunity Institution.
Superintendent/ President’s Message

On behalf of the Citrus College community, welcome to Citrus College! Whether you are a new student just beginning your educational journey or a continuing student approaching degree completion, everyone here at Citrus College, from the counselors, faculty, staff, and administration, is ready and eager to support you as you work towards your academic and career goals.

Citrus College has just celebrated 100 years of providing the academic excellence that has become the hallmark of the college. Throughout its history, Citrus College has received many honors for helping students succeed academically and personally. These kudos include Community College Week magazine’s annual “Top 100 Associate Degree Producers” lists and recognition in The Hispanic Outlook in Higher Education magazine as one of the nation’s top 25 community colleges for awarding associate degrees to Hispanic students. Citrus College has also been recognized as a “Military Friendly School” by GI Jobs magazine for five consecutive years.

Attending college is not just about taking classes; it has the potential to be so much more. Therefore, as you peruse the 46 academic programs of study and 55 academic and career technical programs listed in this course catalog, I encourage you to also participate in the many co-curricular activities available through Citrus College’s Student Life and Leadership Office. The opportunity to personally connect with peers, and collaborate with faculty and staff beyond the classroom can have a significant impact on your college experience.

I am proud of the legacy Citrus College has created and as the college enters its second century, I am excited to welcome you as a part of Citrus College’s next 100 years of excellence.

Best wishes for a productive and successful academic year.

Sincerely,

Geraldine M. Perri, Ph.D.
Superintendent/President

Citrus Community College District Board of Trustees

The Citrus Community College District Board of Trustees establishes policies, approves current and long-range educational plans and programs, and promotes the orderly growth and development of the college.

Residents of the district communities–Azusa, Claremont, Duarte, Glendora and Monrovia–elect a representative to serve on the board for a four-year term. The student trustee is elected annually in a general student body election and serves on the board in a non-voting capacity.

The Board of Trustees meet on the first and/or third Tuesday of every month at 4:15 p.m. All meetings of the board are open to the public and meeting dates are announced in advance. A record of all board transactions is available to the public in the college library.
Institutional Memberships and Professional Certifications

Citrus College is proud of its memberships and certifications with some of the most credible and prestigious organizations in the country. These affiliations include, but are not limited to, the following:

American Association of Community Colleges
American Dental Association
Association of Community College Trustees
Automotive Engine Builders Association
Automotive Service Councils, Foothill Chapter #5
Azusa Chamber of Commerce
Califa Library Group
California Association of School Business Officials
California Community College Coaches Associations
  Baseball
  Cross Country & Track
  Fastpitch (Softball)
  Football
  Ladies Golf
  Men’s Basketball
  Men’s Golf
  Men’s Soccer
  Men’s Water Polo
  Swimming and Diving
  Women’s Basketball
  Women’s Soccer
  Women’s Volleyball
  Water Polo
Claremont Chamber of Commerce
Community College Public Relations Organization
Duarte Chamber of Commerce

Citrus College Student Ambassadors promote the college in the community and assist with college events.

Glendora Chamber of Commerce
Hispanic Association of Colleges and Universities
Honors Transfer Council of California
Irwindale Chamber of Commerce
Monrovia Chamber of Commerce
National Student Clearinghouse
San Gabriel/Foothill Association of Community Colleges
Specialty Equipment Market Association (SEMA)
Western States Conference
### 2015-2016 Academic Calendar

Please refer to the Schedule of Classes for registration deadlines.

#### Fall Semester 2015
August 21-December 12

- **August 21**: Convocation
- **August 22 & 24**: Instruction Begins
- **September 5 & 7**: Labor Day Holiday
- **November 13 & 14**: Veterans Day Holiday
- **November 26-28**: Thanksgiving Holiday
- **December 7-12**: Final Exams
- **December 14**: Winter Break

#### Winter Session 2016
January 4-February 11

- **January 4**: Instruction Begins
- **January 18**: Dr. Martin Luther King Jr. Holiday
- **February 11**: Instruction Ends

#### Spring Semester 2016
February 15-June 11

- **February 12, 13 & 15**: Presidents’ Day Holiday
- **February 16**: Staff Development Activities—No Classes
- **April 11-16**: Spring Break
- **May 28 & 30**: Memorial Day Holiday
- **June 4-10**: Final Exams
- **June 11**: Commencement

#### Summer Session 2016
June 20-August 11

- **June 20**: Instruction Begins
- **July 4**: Independence Day Holiday

Although many six week classes will end Friday, July 29, eight week classes end Friday, August 12.
Who Are We?
History, Mission and Community

Overview and History
Citrus College is located in Glendora, California, near the foothills of the San Gabriel Mountains, and approximately 25 miles northeast of metropolitan Los Angeles. The college has the distinction of being the oldest community college in Los Angeles County and the fifth oldest in California.

This public community college serves nearly 200,000 residents and the students of the Azusa, Claremont, Duarte, Glendora and Monrovia school districts.

Citrus College was founded in 1915 under the leadership of Dr. Floyd S. Hayden, who helped bring the community college movement to California. From 1915 to 1961, the college was operated by the Citrus Union High School District. In July 1961, the Citrus Junior College District was created to include the Azusa and Glendora unified school districts. In 1967, the district expanded to include the Claremont, Duarte and Monrovia school districts. In 1970, the district was renamed the Citrus Community College District to better represent the college's mission.

Today, Citrus College occupies a 104-acre campus. Since 2004, the college has been undergoing a major facilities expansion project that is changing the look of the campus and providing facilities that will enhance learning.

The college enrolled 27 students in 1915 and currently serves over 18,000 students.

Accreditation and Affiliations
Citrus College is accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) of the Western Association of Schools and Colleges (WASC), 10 Commercial Boulevard, Suite 204, Novato, CA 94949, (415) 506-0234.

ACCJC is an institutional accrediting body recognized by the Council for Higher Education and the U.S. Department of Education. Citrus College’s professional memberships include the American Association of Community Colleges (AACC) and the Community College League of California (CCLC). Citrus College is also a G.I. Jobs magazine “Military Friendly School.”

Mission Statement
Citrus College delivers high quality instruction to students both within and beyond traditional geographic boundaries. We are dedicated to fostering a diverse educational community and learning environment by providing an open and welcoming culture that supports successful completion of transfer, career/technical education, and basic skills development.

We demonstrate our commitment to academic excellence and student success by continuously assessing student learning and institutional effectiveness.

Mission Objectives
Citrus College is a safe, friendly, accessible environment where all students and community members may optimize their academic, career, and cultural development. As Citrus College continues to advance as a dynamic center for lifelong learning, we will:

• provide general, lower division coursework leading to an associate degree in the arts or the sciences;
• prepare students to transfer to four-year colleges and universities;
• offer technological services and support for students, faculty, and staff;
• deliver programs to improve basic math, reading, communication, and ESL skills;
• grant opportunities for students to develop a global perspective through a curriculum with international and multicultural applications;
• furnish support services for the intellectual and personal development of all Citrus College students, including opportunities to participate in campus governance;
• foster a comprehensive and enriching program of extracurricular activities;
• conduct community education programs that encourage learning at every stage of life; award occupational certificates and degrees for career preparation and advancement;
• administer customized training programs for business and industry;
• increase career development support for students, faculty, and staff through career exploration, counseling, job preparation, job opportunities, and academic and classified staff development;
• collaborate with local high schools in articulation and curriculum development;
• advance cultural and personal enrichment programs for the college and community members, and promote intercollegiate competition opportunities for students.

Vision Statement
Citrus College will provide excellent educational opportunities that are responsive to the needs of the community and help students meet economic, social, and environmental challenges to become active participants in shaping the world of the future.

Values
1. Student Focus
   Meeting community and student needs by creating an educational environment and culture so students can attain a variety of goals.

2. Excellence
   Maintain a high standard of integrity and performance leading to the achievement of academic and professional goals.

3. Collaboration
   Seeking input from all sectors of the college and the community.

4. Diversity
   Fostering a learning community in which the values, goals, and learning styles of all students are recognized and supported.

5. Life-Long Learning
   Serving enthusiastic, independent thinkers and learners striving for personal growth.

6. Integrity
   Behaving ethically in all interactions at all levels.

7. Technological Advancement
   Keeping pace with global technology trends and enhancing traditional instruction with technology to prepare students for success in the work place.

Foundation and Alumni
The Citrus College Foundation is a 501(c)(3) nonprofit corporation founded in 1966 and revitalized in 1982. It is governed by a volunteer board of directors.

In 2014, the Foundation awarded scholarships to nearly 200 students and grants valued at over $100,000. This assistance enabled Citrus College students to accomplish their educational goals.

The Citrus Alumni and Friends Association advances the general interest of Citrus College alumni, promotes goodwill in the community, raises funds for scholarships, helps Citrus Union High School and Citrus College alumni plan reunions, and assists with special projects that benefit Citrus College students. Every year during the month of May the college observes Alumni Month, and members of the Alumni and Friends Association select and announce the recipients of the Distinguished Alumni Award.
Citrus College: A College of Completion

In 2012, the Citrus College community adopted the national community college completion agenda established by the American Association of Community Colleges, the Phi Theta Kappa Honor Society and the White House. The initiative is designed to encourage and support students as they strive to complete their education, transfer to four-year colleges and universities, and pursue the careers of their choice.

**Faculty and Staff Call to Action in Support of Students**

**We believe** the student success and completion agenda is the future of Citrus College.

**We believe** that completion matters and every student counts.

**We believe** in every student’s potential and responsibility to succeed.

**We believe** the “open door” must not be a “revolving door.”

**We believe** that community colleges are the gateways to the middle class and beyond.

**We believe** that community colleges are an invaluable economic engine driving the nation toward prosperity.

**We believe** that talented people working at Citrus College are ready to take on leadership roles.

**We believe** in changing institutional culture, from emphasis on access only to emphasis on access and success.

**We commit** to courageous conversations about diversity, equity, and evidence reflecting student success and institutional performance.

**We commit** to eliminating the attainment gaps that separate student groups.

**We commit** to acting on facts to make positive changes.

**We commit** to promoting faculty and staff development focused on evidence based educational practice.

**We commit** to providing development opportunities, for college administrators, trustees, faculty, staff, and students.

**We ask** every trustee, employee, and student organization to identify ways to help students understand the added value of degrees and certifications.

**We ask** every student to help one other student succeed.

**We ask** community members to work with us.

**We ask** elected officials to create the policy conditions that enable, support, and reward our work to strengthen student success.

**We ask** other community colleges to join us by signing this call to action.

**Student Pledge: Commitment to Completion**

**We believe** every student has the potential and responsibility to succeed.

**We believe** completion matters and every student counts.

**We believe** in an institutional culture that emphasizes student success.

**We believe** community college allows individuals to grow as far as their talents will allow.

**We commit** to reaching out to students in need by encouraging, nurturing, and guiding them toward college completion.

**We commit** to serving as role models by attending classes, being prepared, and participating in and engaging in discussions with professors and students inside and outside of class.

**We commit** to discussing career-planning with professors and staff to ensure timely completion.

**We commit** to learning about and using college support services.

**We ask** and trust every trustee, employee, and student organization to help the student body understand the added value of degrees and certifications.

**We ask** and trust community members to work with us.

**We ask** and trust our college to encourage the faculty and staff to create meaningful ways of supporting students in scholarly endeavors, social engagement, and career planning efforts.

**We ask** and trust the community as a whole to work with us towards our pursuit of college completion.
# Citrus College Directory

## Office of the Superintendent/President

(All telephone numbers are area code 626)

<table>
<thead>
<tr>
<th>Title</th>
<th>Name</th>
<th>Phone Number</th>
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<tbody>
<tr>
<td>Superintendent/President</td>
<td>Dr. Geraldine M. Perri</td>
<td>914-8821</td>
</tr>
<tr>
<td>Executive Assistant</td>
<td>Christine Link</td>
<td>914-8821</td>
</tr>
<tr>
<td>Administrative Assistant</td>
<td>Patricia Robidoux</td>
<td>914-8821</td>
</tr>
</tbody>
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## Administrative Divisions

### Finance and Administrative Services

**Vice President**

Claudette Dain

Judy Rojas, 914-8890  
Jeff Eichler, 914-8704  
Fred Diamond, 914-8691  
Rosalinda Buchwald, 914-8897  
Lauri Stoner, 914-8835  
Dawn Dineley, 857-4116  
Robert Iverson, 914-8888  
Thomas Reynolds, 914-8740  
Eric Guzman, 914-8889

**Administrative Assistant**

Judy Rojas, 914-8890  
Jeff Eichler, 914-8704  
Fred Diamond, 914-8691  
Rosalinda Buchwald, 914-8897  
Lauri Stoner, 914-8835  
Dawn Dineley, 857-4116  
Robert Iverson, 914-8888  
Thomas Reynolds, 914-8740  
Eric Guzman, 914-8889

**Environmental Health & Safety Programs Supervisor**

Jeff Eichler, 914-8704

**Facilities and Construction Director**

Fred Diamond, 914-8691

**Fiscal Services Director**

Rosalinda Buchwald, 914-8897

**Golf Driving Range Supervisor**

Lauri Stoner, 914-8835

**Mailroom Coordinator**

Dawn Dineley, 857-4116

**Purchasing/Warehouse Director**

Robert Iverson, 914-8888

**Reprographics Supervisor**

Thomas Reynolds, 914-8740

**Risk Management Supervisor**

Eric Guzman, 914-8889

### Development

**Foundation Director**

Christina M. Garcia

Clarence Cernal, 914-8825

**Administrative Assistant**

Clarence Cernal, 914-8825

### Human Resources

**Director**

Dr. Robert Sammis

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Brenda Fink, 914-8830

**Administrative Assistant**

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Brenda Fink, 914-8830

**Human Resources/Staff Diversity Manager**

Brenda Fink, 914-8830

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Yueyhi Huang, 852-6408

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Yueyhi Huang, 852-6408

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Leigh Buchwald, 914-8810  
Marilyn Grinsdale, 914-8824  
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Glenna Johnson, 914-8812

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**Technology Operations & Support Services Supervisor**

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Schedule/Catalog Analyst
Gwen Harris, 914-8882
Administrative Secretary
Kathleen Bueno, 914-8858

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Career Technical Programs Supervisor
Marti De Young, 914-8702
Continuing Education Supervisor
Debbie Vanschoelandt, 852-8022

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Haugh Performing Arts Center Interim Director
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Assistant Athletics Director
Cliff Wurst, 914-8845

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Honors Transfer Program Counselor
Stephanie Yee, 914-8638
Honors Transfer Program Counselor
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Dr. Marianne Smith, 914-8701

Health Sciences Director
Heath McClain
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Salima Allahbachayo, 914-8791
Nursing (CNA) Coordinator
Deborah Bowman, 914-8791
Nursing (LVN) Coordinator
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Administrative Secretary
Caroline Tippins, 914-8874

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Public Services Librarian/Bibliographic
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Administration of Justice, Anthropology, Child Development, Distance Education, Economics, Ethnic Studies, Geography, History, Humanities, Leadership (Student Government), Philosophy, Political Science, Psychology, Sociology, Study Abroad Program

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Administrative Assistant

**Admissions and Records**
Admissions, Records, Financial Aid
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Administrative Secretary
Registrar
Financial Aid Director

**Counseling Programs and Services**
Articulation, Center for Teacher Excellence, Counseling/Advisement Center, EOP&S/CARE, CalWORKs, DSP&S,
Matriculation (credit and noncredit), Transfer Center
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Administrative Secretary
Articulation Officer
Athletics Counselor
Career/Technical Education Counselor
Center for Teacher Excellence Counselor
Counseling and Advisement Center Faculty Lead
College Success Counselor
DSP&S Coordinator
Early Alert Counselor
EOP&S/CARE, CalWORKs Director
Honors Counselor
Honors Transfer Program Counselor
International Student Center Supervisor
Nursing Program Counselor
STEM Counselor
Transfer Center Coordinator
Veterans Counselors

**Student Affairs**
Bookstore, Campus Safety, Food Services, School Relations and Outreach, Student Conduct, Student Life and Leadership Development, Student Health Center, Veterans Success Center
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Campus Safety Supervisor
Food Services Supervisor
School Relations/Outreach Coordinator
Student Life and Leadership Development Supervisor
Student Health Center, College Nurse
Veterans Success Center Director

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Benjamin Macias, 914-8611
Philomena O’Shea, 914-8615
Ivon McCraven, 857-4162
Adrienne Thompson, 914-8603
Shauna Bigby, 914-8671
Monica Christianson, 852-6457
How Do I Get Started? Admission and Registration

Admission
Citrus College is an open access institution, offering admission to high school graduates, persons who possess a high school diploma, GED, certificate of proficiency, or the equivalent. Special provisions for high school students are addressed in this section.

A person 18 years of age or older who has not received a high school diploma may be admitted to Citrus College to take general education courses or to enroll in specialized vocational programs. The student may also prepare for transfer to a four-year institution without a high school diploma.

Concurrent High School Student to First-Time Freshman
Graduating high school seniors concurrently enrolled at Citrus College planning to attend a subsequent term will need to submit a new application as a first-time college student, not as a concurrent enrollment student.

International Student Admission
The Citrus College International Student Office admits international students holding or attempting to obtain an F-1 Student Visa upon approval of their applications. These students are required to pay international student tuition.

In order to qualify for admission, an international student must do the following:
1. Submit a Citrus College application for admission.
2. Complete the international student application and pay a fee.
3. Submit confidential financial support documents.
4. Obtain a passing score of the TOEFL examination: 450 (paper based), 133 (computer based), or 45 (Internet based).
5. Provide transcripts from high school and/or college.
6. Provide proof of Tuberculosis (TB) test.

The following items are required for current F-1 Visa students transferring to Citrus College:
1. Copy of I-20
2. Copy of I-94
3. Transfer Form
4. Visa
5. Passport
6. College transcripts

The TOEFL, admissions application, and all supporting materials must be received on or before the published application deadlines for the intended semester. Students are required to take the Accuplacer ESL exam when they arrive at the college.

High School Students Classes for High School Students
Citrus College offers selected programs and classes for high school students. These students must be enrolled concurrently at their high schools and at Citrus College. Concurrent enrollment high school students are required to submit a college application and a Concurrent Enrollment Packet. This packet, which requires signatures from a parent and from a counselor or principal, is available online at www.citruscollege.edu/ar.

Citrus College summer school classes are offered at Azusa, Claremont, Duarte and Monrovia high schools through the Noncredit Program. For more information, contact the counseling office at these high schools.

Early Decision Program
The Early Decision Program enables seniors from Azusa, Claremont, Duarte, Gladstone, Glendora and Monrovia high schools, who have submitted a Citrus College application, to visit the campus, take the assessment test and meet with a counselor during the second semester of their senior year.

Seniors who attend other high schools and who are interested in the Early Decision process are encouraged to call the School Relations and Outreach Office at 626-857-4162.

How to Apply
Prospective students may submit an application online through our website, at https://wingspan.citruscollege.edu. There is no charge to submit an application and an application can be submitted at any time. Computers allowing access to the college Web site are also available in the lobby of the Student Services Building, as well as other areas on campus.

Once an application is completed and submitted, the new student will receive a “Welcome to Citrus College” e-mail which will include a student user ID and Personal Identification Number (PIN). The student will need the ID and PIN to register for classes, pay fees, and officially enroll at Citrus College.

Credit students may register for noncredit courses; however, students interested in taking only noncredit courses should refer to the Noncredit and Community Education section of the catalog.
First-Time Freshmen Under 18 Years Old
A verification of graduation is required for students who will not be 18 years of age by the first day of instruction at Citrus College. The verification must be submitted to the Admissions and Records Office.

Acceptable documents of verification include a high school diploma, GED, Certificate of California Proficiency, a Target Letter submitted on school letterhead stating that the student has fulfilled his or her graduation requirements, or a sealed high school transcript with the student's graduation date posted.

Residency Requirements
As a public community college, Citrus College is required by law to verify each applicant’s residence in accordance with Title 5 and the California Education Code. Residence status is determined as of the day before each term begins and determines the fees and tuition to be collected at the time of registration. Please note that noncredit courses are tuition free.

Residency Classification
Residency classifications shall be determined for each student at the time of application.

California Residents
California residents attend Citrus College tuition free and pay enrollment and other fees.

Nonresidents
Students who do not meet the California residence requirements will be charged nonresident tuition, plus enrollment and other fees. For more information, visit www.citruscollege.edu/ar.

California Nonresident Tuition Exemption (AB 540)
Any student, other than a nonimmigrant alien, who meets all of the following requirements, shall be exempt from paying nonresident tuition:

• The student must have attended a high school (public or private) in California for three or more years.
• The student must have graduated from a California high school or attained the equivalent prior to the start of the term; for example, passing the GED, California High School Proficiency exam, or California High School Exit Exam.
• An alien student who is without lawful immigration status must file an affidavit with the college stating that he or she has filed an application to legalize his or her immigration status, or will file an application as soon as he or she is eligible to do so.

Students who hold nonimmigrant visas; for example, Tourist (B-1, B-2), Foreign Student (F-1), NAFTA (TN & TD) and Exchange Student (J), are not eligible for this exemption.

Residency Reclassification
Students classified as nonresidents may submit a Residency Reclassification Petition along with required proof to the Admissions and Records Office.

Students who enroll into classes pending notification of a decision are responsible for the quoted tuition. Students, who are approved based on the submitted documents, will receive a refund of the nonresident tuition they have paid.

The burden of proof for the Residency Reclassification Petition rests with the student. For more information visit www.citruscollege.edu/ar. Reclassification to Resident Status must be initiated by the student. Evidence of physical presence and intent to reside in the state of California for at least one year and one day prior to the semester’s start date must be submitted for a residency review.

For additional information on residency, visit www.citruscollege.edu/ar and read Administrative Procedure 5015.

Transcripts
Transcripts from Other Institutions
Official high school transcripts are required of new students who attended high school within the last three years. Official college transcripts are required of new students who were previously enrolled in a college or university.

To ensure a smooth registration process it is recommended that transcripts are received and are on file prior to a student’s registration appointment. Transcripts may be used to clear course prerequisites and are also required for financial aid and veterans benefits consideration.

Transcripts from colleges accredited by a regional accrediting institution may be evaluated during a student’s first semester of attendance at Citrus College.

Foreign transcripts must be evaluated by an approved transcript evaluation service.

Military service credits based on a DD-214 are posted after a veteran’s first semester of attendance.

Citrus College Transcripts
Students who request their Citrus College transcript receive their first two transcripts free. Thereafter, the
All credit and noncredit students may access a copy of their unofficial transcripts through WingSpan.

**Class Schedules**
Citrus College publishes a Schedule of Classes each semester and session. These class schedules list the intended credit course offerings and teaching assignments. All class schedules are available online at www.citruscollege.edu/schedule.

Community and Noncredit Education schedules are published separately. Class schedules are available at http://www.citruscollege.edu/ce/Documents.

**Registration**
Registration is conducted prior to every semester and session. In addition to class selection, all fees must be paid during registration. Dates, deadlines, policies, and guidelines for registration are listed in the class schedule published for a specific semester or session.

**Registration Limits**
A student will not be able to add a course if he or she:
- has a fee hold, admission hold, or another type of hold;
- is on academic or progress dismissal;
- is subject to expulsion or suspension;
- registers for a class that places him or her on overload, and the student has not been approved for an overload;
- attempts to register for a class for which the class time overlaps with another class he or she is enrolled in;
- has failed to clear the prerequisites(s) and/or corequisites for the course;
- previously enrolled in the course and the enrollment exceeds the number of repetitions allowed.

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

New students need to complete assessment, orientation and a student educational plan to receive an earlier appointment (higher registration priority). Students are also strongly encouraged to identify a program of study. It is very important to work hard in classes and get good grades to maintain priority registration status.

Continuing students must maintain good academic standing and earn a 2.0 grade point average, complete at least 50% of their courses each semester, and not exceed 100 degree applicable units to prevent receiving a lower registration appointment. Students are encouraged to only enroll in courses that can be completed and select courses carefully. Degree applicable units do not include basic skills courses. In some circumstances, students may be temporarily exempted from receiving a lower registration appointment. Students should see a counselor if they will be over 75 degree-applicable units.

Noncredit students receive a registration appointment for one date and time separate from credit students. Students that receive a noncredit registration appointment will not be able to register for credit classes unless they go through the credit application process and receive a registration based on the rules above.

For additional information on enrollment priority, please see Administrative Policy 5055.

**Dropping Classes Online**
Students are able to drop classes using WingSpan by the Drop and/or Refund deadlines. Students wishing to receive a refund for a class, must drop the class online by the refund deadline. Please visit the important dates section of the Admissions and Records web page for all deadline dates. To receive refunds for a paid parking pass and/or paid student service sticker, the student must return those items to the cashier by the refund deadline(s) for his/her classes.

**Paying for Classes**
WingSpan allows Citrus College students two options to pay their fees quickly and easily.
- Choose to pay online by credit card: VISA, MasterCard, Discover or American Express.
- Pay in person with cash or check.

**Student Classifications**
A Citrus College student who has earned fewer than 30 units is classified as a freshman, and a student with more than 30 units is a sophomore. Other student classification categories include:

**Full time:**
Enrolled in 12 or more units in a semester

**Part time:**
Enrolled in fewer than 12 units in a semester

**Three-quarter time:**
Enrolled in 9 but fewer than 12 units in a semester
Half time:
- Enrolled in 6 but fewer than 9 units in a semester

New Student
You are a new student if you have never enrolled in a credit class at Citrus College.

Continuing Student
You are a continuing student if previously enrolled at Citrus College. K-12 students do not receive continuing student status for purposes of priority registration.

Noncredit Students
Students that are enrolled in noncredit courses only do not receive a standing classification. However, those students may still obtain an enrollment verification.

Unit Limitations
There is no minimum, but the maximum number of units a student may enroll in for a semester is 21 units (fall and spring). The maximum number of units a student may enroll in for summer and winter session is 13 units. High school students are limited to 11 units in a semester and 5 units in a session.

A student wishing to take more than the maximum units may file a petition through the Counseling and Advisement Center. High school students wishing to enroll full time must receive approval from the Admissions and Records Office and will be charged enrollment fees for all courses taken.

WingSpan
WingSpan is Citrus College’s one-stop resource for information and the primary method of registration. It provides online access for students to:
- Apply for admission
- Check application status
- View appointments for registration
- Check registration status
- Register for classes
- Drop classes
- Print individual student schedules
- Pay fees by credit or debit card
- Print enrollment verifications

WingSpan features include access to grades and unofficial transcripts. Visit the college website https://wingspan.citruscollege.edu and download the student guidelines handbook for more information.

Waitlist
During registration, once a class has reached its enrollment capacity, the status of that class will change from Open to Closed. When a class closes, a waitlist may open, allowing students the option to place themselves on the list.

The waitlist has a limit of 20 spots, with the exception of classes that need special approvals, such as cosmetology, nursing or music.

The first student on the waitlist will be the first to have the opportunity to register and so on.

Students on the waitlist will be contacted via student e-mail address if a seat opens. Once notified, students will have 24 hours to register for the class through WingSpan. Students that miss the 24-hour window to register will be removed from the waitlist. The waitlist stops two days prior to the first class meeting.

From the first class meeting forward, students will need an add code from the instructor to register for the class. Add codes will be issued by the instructors at their discretion. Instructors may use the waitlist order to issue add codes.

Add Codes
An add code may be provided by an instructor to students who were unable to enroll in the class.

Add codes will be available from the instructor at the first class meeting. When an add code is provided by the instructor, students will be allowed to add that class during Late Registration, the period beginning with the first day of class and ending with the add deadline date. All classes have a deadline date and the add codes will be effective through that deadline date. Deadline dates vary by section, please review the Add/Drop/Refund Deadline dates on the Admissions and Records web page.

Instructors have discretion to issue add codes when space is available in the class. Students that obtain an add code must register for the class using WingSpan. An add code is only valid for one person and, once used, becomes invalid.

Misuse of Add Codes
Only the student who receives an add code from a faculty member or another Citrus College official is authorized to use that code.

Students may not sell or give add codes to another student. The misuse of add codes is considered a student conduct violation.

Students who misuse add codes will be dropped from the course and will be subject to student discipline proceedings as outlined in Administrative Procedure 5520.

Enrollment Verification
Citrus College has authorized the National Student Clearinghouse to act as its agent for verification of student enrollment status. An official Enrollment Verification Certificate may be obtained through WingSpan.
This certificate may be presented to parties such as health insurance agencies, housing authorities, consumer-product companies, and banks when asked to provide official evidence of enrollment at Citrus College.

Students enrolled in noncredit courses may obtain an enrollment verification from the Admissions and Records Office.

**Distance Education (Online Classes)**

Distance Education classes utilize computer technology to deliver instruction to students. These classes have the same content and meet the same requirements as traditional classes, but provide a more flexible way for students to take courses. Many of these online classes require orientations and testing on campus.

Students who do well in online courses are typically self-motivated, organized, and proactive about their education. Some knowledge of how to use a computer is helpful. In addition, online classes rely heavily on the exchange of information through reading and writing, so proficiency in these skills is important.

For a complete list of available classes, or for more information, visit the Distance Education Web site at [www.citruscollege.edu/de](http://www.citruscollege.edu/de) or call the Distance Education office at 626-914-8831.

**2015-2016 Fees and Expenses**

The enrollment fee is set by the California State Legislature.

**Enrollment Fee:** $46 per unit
- International Student Tuition* $224 per unit
- Nonresident Tuition* $224 per unit

**Campus Service Fees**

<table>
<thead>
<tr>
<th>Service Fee</th>
<th>Fall &amp; Spring</th>
<th>BOGW Students</th>
<th>Winter &amp; Summer</th>
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<tr>
<td>Parking Fee</td>
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<tr>
<td>Student Representation Fee</td>
<td>$1</td>
<td>$15</td>
<td>$10</td>
<td></td>
</tr>
</tbody>
</table>

*Nonresident and international students are required to pay tuition and enrollment fees.

**Health Service Fee**

The Health Services Fee is mandatory for both full-time and part-time students. The following students are exempt from payment of the fee:

- Students who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or organization. To receive an exemption, these students must present valid documentation of his or her membership in such a religion to the office of the vice president of student services.
- Students who are attending Citrus College under an approved apprenticeship training program.
- Distance Education and Noncredit only students. However, these students may pay the fee and receive services from the Student Health Center.

**Student Service Fee**

The Student Service Fee supports campus activities such as athletics, clubs, cultural events, campus improvements, scholarships and other special programs and services that directly benefit students and campus life.

Students receive an ASCC sticker upon receipt of all payments. Stickers must be picked up from the Cashier in the Student Services Building. The accompanying flier lists the many benefits, services and discounts available to students who have paid the service fee and received a sticker. Because of the broad range of programs and services provided, all students are requested to pay the Student Service Fee.

Students may waive this fee prior to payment of classes by obtaining a waiver form from the Office of Student Life and Leadership Development, located in the Campus Center. Proof of registration is required. Students who waive the fee will become ineligible for the benefits associated with this fee, but not for any other student services. Students enrolled in only distance education classes or only enrolled in noncredit classes are not assessed the student service fee. However, these students may pay the fee and receive the benefits outlined above.

**Student Representation Fee**

The Student Representation Fee is a $1 mandatory fee to be used solely for advocacy purposes on behalf of students. A student may refuse to pay for political, religious, financial or moral reasons. Students desiring to waive this fee must submit a written statement justifying their refusal to pay.

This waiver will be subject to approval by the Dean of Students’ office.
Instructional Materials Fee
A student may be charged this fee for instructional or other materials required for specific classes. These materials may include but are not limited to, textbooks, tools, equipment and clothing.

Fee Refund Policy
Refund of parking, enrollment, non-resident tuition, health and/or student service fees shall be made to eligible students who file a refund request by the college’s established deadlines.

In the case of an active or reserve military service member who receives orders compelling them to withdraw from Citrus College, a full refund shall be made upon verification of his or her orders.

It is the student’s responsibility to return their parking permit before the refund deadline in order to receive a refund for parking upon official withdrawal from the college and if a student changes from an on-campus schedule to a Distance Education schedule.

Cash refunds will not be issued. Credit will be immediately issued to credit card payments. However, the student and cardholder must be present, with the credit card and the credit card receipt, at the time of the refund request. Otherwise, a refund request form must be submitted. Fee payments made with cash, check or debit card will receive a refund by check. This check will be mailed to the address on file with the Admissions and Records Office. Therefore, it is important the address on file is current and correct.

Student Financial Obligations
All fees must be paid prior to the rollout date to avoid being dropped from classes, including waitlisted classes. Fee payment schedules are included in the class schedules and online.

Citrus College will withhold grades, transcripts, degrees, registration privileges, or any combination thereof, from any student or former student who has failed to pay any financial obligation due to the college. Holds on a student’s record will be released when the debt obligation has been met. Debts must be paid in the form of cash or money order: a bank service charge or chargeback fee may apply.

Cancelled Classes
Classes may be cancelled at the discretion of the college. Students enrolled in a cancelled class may enroll in other open classes.

Students who have a class or classes cancelled by the college are eligible for a full refund of fees paid for those classes. The student must file a refund request at the Cashier’s (Bursar’s) Office. All applicable receipts, cards and permits must be attached to the request form.
How Do I Adjust to Campus Life?
Student Success and Support Program
Assessment, Orientation and Counseling Ensure Completion Success

Student Success and Support Program
What is the Student Success and Support Program?
The objective of the Student Success and Support Program (SSSP), also known as Matriculation, is to provide support to students while completing their educational goals.

Matriculation
Matriculation is defined by the Seymour-Campbell Student Success Act of 2012 as “a process that brings a college and a student into an agreement for the purpose of achieving the student’s educational goals and completing the student’s course of study.” The agreement involves the responsibilities of the college and the student. The Student Success and Support Program includes services to optimize students’ opportunities to foster academic success.

The college’s responsibility is to provide:
- Assessment before course registration
- Orientation services about the college’s programs and services
- Counseling and other education planning services, including student educational plans (SEP)
- Evaluation of the academic progress of and provision of support services to at risk students to include referrals to appropriate interventions

The student’s responsibility is to:
- Identify an education and career goal.

- Attend class and complete assigned coursework.
- Complete courses and maintain progress toward an educational goal and course of study identified in the SEP.
- Nonexempt first time students are strongly encouraged to (required beginning fall 2015):
  - Take the English and math assessments to determine appropriate course placement.
  - Complete an orientation activity provided by the college (Required).
  - Participate in counseling services and complete an abbreviated SEP (first semester plan) before first term of class.
  - Complete a comprehensive SEP (multi-semester plan) after completing 15 degree applicable units or prior to the end of the third semester.

3. Enrollment at the college as a special admit student pursuant to Education Code section 76001

An exemption form can be processed in the Counseling and Advisement Center. Documentation is required to verify the exemption criteria.

Assessment, Orientation, and Counseling/Advisement
The assessment, orientation, and counseling/advisement process offered through the Student Success and Support Program provides students with the finest academic advisement and counseling possible. Students who participate in these services will be more prepared when transitioning to college life and completing their course of study.

Students can also earn an earlier registration date by completing assessment, orientation and a student educational plan by specific deadline dates.

SSSP Exemption Criteria from Matriculation Activities
A student may be exempted from matriculation activities including orientation, assessment, counseling or advisement based on one or more of the following:

1. Completion of an associate degree or higher from a regionally accredited college
2. Enrollment at the college solely to take a course that is legally mandated for employment as defined in Title 5 section 55000 or necessary in response to a significant change in industry or licensure standards

What is Assessment?
The assessment process at Citrus College provides information regarding language, mathematics skills, and other activities necessary for a successful college experience. Student-reported information is also used, along with available official high school and/or college transcripts. Other factors that are used in assessing college readiness may include evaluation of study skills, student goals and career aspirations, and the results of the placement exam.
Assessment information assists the counselor in outlining a useful and clear educational program for the student’s long-range educational plans and the eventual attainment of a chosen career.


Students who have a disability that requires testing accommodations are advised to make arrangements through the DSP&S Office, (626) 914-8675. Deaf Services are available 24 hours, (626) 914-8674 TDD.

**Review of Placement**

Students who feel their placement does not reflect their abilities may request a Review of Placement with a counselor.

Students may appeal their English and/or math placement if they can demonstrate proof of course equivalency or competency. Students should be prepared to present documentation such as official high school or college transcripts, or additional test results. After a student’s information is reviewed by a counselor, placement may be adjusted or a retest may be recommended. The assessment test practice is as follows:

1. Students must wait a minimum of four weeks to retake the placement exam.
2. Placement exams may only be retaken once for each subject. With the exception of expired placement results (older than 2 years), additional retestings will not be permitted. It is important that students take the placement exam seriously, prepare adequately, and do their very best.

3. All placement results are valid for a period of two years. Students are strongly encouraged to enroll in math and English classes during their first term.

**What is Required Orientation?**

The orientation program is designed to introduce students to a course of study programs, campus resources, student support services, and college success tips. Students will have the necessary tools to make a smooth transition to college life and complete their goals successfully.

Students who are new to Citrus College are urged to complete the assessment and **MUST** complete orientation. All future registration will be withheld from students who have applied to the college and did not complete the orientation requirement by their specific deadline date.

Students who believe they are exempt or those who want to read about procedures for challenging matriculation regulatory provisions can be referred to the matriculation section in the Citrus College catalog or Administrative Procedure 5050 Matriculation located on the Citrus College webpage under Administrative Procedures and Board Policies in the A-Z index.

**Orientation Options**

Orientation can be satisfied through any of the following options:

- **In-person orientation** (recommended for new students)
  - New student Assessment/Orientation session includes SEP beginning July 2014.
  - Early Decision Day at Citrus College (only available through high school districts)
- **Online orientation at [http://orientation.citruscollege.edu](http://orientation.citruscollege.edu)**

Assessment and orientations are scheduled periodically throughout the year. For more information, please view the assessment/orientation schedule at [http://www.citruscollege.edu/lc/testing/Pages/AssessmentPlacementTesting.aspx](http://www.citruscollege.edu/lc/testing/Pages/AssessmentPlacementTesting.aspx).

**Counseling/Advisement**

The college counseling staff provides a variety of services including but not limited to, educational planning, career counseling, university transfer counseling, personal counseling (personal concerns and issues affecting students’ academic progress), Disabled Student Programs and Services (DSP&S), Extended Opportunity Programs and Services (EOP&S), and financial assistance programs. The counselors assist in long-range planning and checking specific requirements so that students meet graduation requirements and course prerequisites, secure career/technical certificates and licenses, and fulfill requirements for transfer to other colleges or universities.

It is important for new students to have college success skills to make a smooth transition into college. The following counseling courses are strongly recommended for new students to take during their first semester at Citrus College:

- **COUN 145**, Career/Life Planning
- **COUN 156**, College Planning Today for Tomorrow
- **COUN 159**, On Course to Success
- **COUN 160**, Strategies for College Success
- **COUN 161**, Higher Education Transitional Skills for Student Veterans and Their Families
• COUN 200, Education Planning for Student Success

It is important for all students to have a Student Educational Plan (SEP) while attending Citrus College. Counselors assist students in developing an educational plan that reflects their goals. All first time non-exempt students are encouraged to complete an abbreviated SEP to enhance their success in completing their course of study. Also, beginning with new fall 2014 students, completing assessment, orientation and a SEP by designated deadline dates will result in earlier registration. Abbreviated SEP services for nonexempt first time students will be available as follows:

• **Students with 15 units or less**: Nonexempt first-time students with 15 college units or less will be able to complete an abbreviated SEP during an in-person orientation or Course Planning Session. A listing of the schedule can be viewed at [http://citruscollege.edu/lc/testing/Pages/AssessmentPlacementTesting.aspx](http://citruscollege.edu/lc/testing/Pages/AssessmentPlacementTesting.aspx) and [http://citruscollege.edu/stdntsrv/counsel/Pages/default.aspx](http://citruscollege.edu/stdntsrv/counsel/Pages/default.aspx).

• **Students with 16 units or more**: Nonexempt first-time students will be directed to meet with a counselor during an individual appointment to create a SEP. Prior to the appointment, students must complete assessment, complete orientation, declare a course of study, and official college transcripts must be on file.

As students progress, the plan can be changed as frequently as their goals change. When these changes occur, the student should meet with a counselor to update his/her SEP.

**Veterans planning to receive G.I. benefits** are required to make an appointment with the Veterans Center prior to seeing a counselor.

**Counseling Follow-up**

Follow-up services are designed to evaluate and track the student’s academic progress. Special services are provided to students on academic and/or progress probation, students in basic skills courses, and students who are undecided about their course of study. Counselors also give referrals to appropriate programs and services, both on and off campus.

**Students on probation are required** to complete an online probation workshop at [http://citruscollege.edu/stdntsrv/counsel/Pages/NewStudentMandatoryOrientation.aspx](http://citruscollege.edu/stdntsrv/counsel/Pages/NewStudentMandatoryOrientation.aspx) well in advance of registration.

Registration is withheld until the workshop is completed.

**Prerequisites, Co-Requisites and Recommendations**

Citrus College students receive information about courses that require specific knowledge or skills needed to be successful in that course. This information is presented as a requisite statement under the title of the course. The definitions of these statements are:

- **Prerequisite** - A course that a student is required to complete in order to demonstrate current readiness for enrollment in a course or program. (Example: MATH 190 must be completed before taking MATH 191.)

- **Co-Requisite** - A course that a student is required to take at the same time with another course. (Example: VNRS 150 must also be taken with VNRS 151L.)

**Recommendation** - A skill or course that is strongly suggested before enrollment in a course, but is not required. (Example: ENGL 101 is strongly recommended before HIST 108H.)

**Verification of Prerequisites**

Prior to registration, students are required to provide verification of how skill or course prerequisites have been satisfied. Students unable to verify how a prerequisite has been satisfied will not be allowed to enroll in those courses.

Official transcripts are required from other colleges to verify course prerequisites. Skills prerequisites must be verified through the Citrus College assessment process or the assessment process from another college.

**Challenging Prerequisites**

Students have the right to challenge any prerequisite or co-requisite by obtaining the Prerequisite Challenge Petition from the Admissions and Records Office. This form requires written documentation, explanation of alternative course work, background, abilities, or other evidence which has adequately prepared you for the target course.

The challenge petition may include one or more of the following:

- A prerequisite or co-requisite has not been made reasonably available;

- A prerequisite or co-requisite has not been established in accordance with the District’s process for establishing prerequisites and co-requisites;

- Provide evidence of having the knowledge or ability needed to succeed in the course despite not meeting the prerequisite or co-requisite;

- Challenge other limitations on enrollment;
• Challenge a prerequisite or co-requisite established to protect the health and safety of himself, herself, and/or others;
• A prerequisite, co-requisite, or limitation on enrollment is discriminatory or applied in a discriminatory manner;
• A prerequisite or co-requisite is in violation of Title 5.

If the challenge is upheld or the college fails to resolve the challenge within a five working-day period, the student will be allowed to enroll 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 will be permitted to enroll if space is available when registering for the subsequent term.

Prerequisite and co-requisite challenges are addressed by the appropriate academic discipline, department, or division.

Citrus College’s Learning Communities allow two faculty members to teach their subjects to a cohort of students.

Members of the college's counseling faculty celebrate at Commencement
¿Cómo Empezar? Admisión e Inscripción

Admisión
Citrus College es una institución de acceso abierto, que ofrece admisión a estudiantes que se gradúan de la preparatoria o a personas que cuentan con un diploma de 'high school', un certificado 'GED', o un certificado de constancia, o el equivalente. Reglas especiales para los estudiantes de preparatoria se encuentran en esta sección.

Una persona que tiene 18 años o es mayor de 18 años, y no cuenta con su diploma de 'high school' puede ser admitida a Citrus College para inscribirse en clases de educación general o para inscribirse en programas vocacionales de especialización. El estudiante también puede prepararse para transferirse a una institución de cuatro años de estudios sin contar con un diploma de 'high school'.

Estudiante Actual de Preparatoria a Estudiante de Primer Año
Si es un estudiante que va a graduarse de la preparatoria y que está inscrito de forma simultánea en Citrus College y planea continuar asistiendo por otro semestre, necesitará llenar una solicitud nueva como estudiante de primer año, y no como un estudiante que ya está inscrito.

Admisión para Estudiantes Extranjeros
La Oficina para Estudiantes Extranjeros de Citrus College admite a estudiantes extranjeros que tengan una visa o estén en trámites para obtener una Visa de Estudiante F-1 una vez que sea aprobada su solicitud. Se requiere que estos estudiantes paguen cuotas de estudiantes extranjeros.

Para poder calificar para admisión, un estudiante extranjero debe hacer lo siguiente:
1. Entregar una solicitud de admisión para Citrus College.
2. Completar la solicitud para estudiantes extranjeros y pagar la cuota.
3. Entregar documentación confidencial sobre sus finanzas.
4. Obtener una calificación de haber pasado el examen TOEFL: calificación de 450 puntos (si lo tomó por escrito), 133 puntos (si realizó el examen computarizado), ó 45 puntos (si lo hizo vía Internet)
5. Entregar archivos oficiales de la preparatoria y/o colegios.
6. Entregar comprobante de prueba de Tuberculosis (TB).

Se requieren los siguientes documentos de los estudiantes con Visa F-1 que se están transfiriendo a Citrus College:
1. Copia de la I-20
2. Copia de la 1-94
3. Formulario de Transferencia
4. Visa
5. Pasaporte
6. Archivos de colegio

La prueba TOEFL, solicitud de admisión, y toda la documentación requerida deben de recibirse en el día o antes de la fecha límite publicada para el semestre deseado. Se requiere que los estudiantes tomen la prueba 'Accuplacer' ESL (Inglés como Segundo Idioma) al llegar al colegio.

Estudiantes de Preparatoria 'High School'
Clases para Estudiantes de 'High School'
Citrus College ofrece una selección de programas y clases para estudiantes de preparatoria.

Estos estudiantes deben de estar inscritos de forma simultánea en su preparatoria y en Citrus College. Se requiere que estos estudiantes que asisten de forma simultánea a su preparatoria llenen una solicitud de admisión para el colegio y el paquete de documentos para asistir a ambas escuelas a la misma vez llamado 'Concurrent Enrollment Packet'. Este paquete, que requiere la firma de uno de los padres, y de un consejero o director de la escuela, está disponible en internet en www.citruscollege.edu/ar.

Citrus College ofrece clases de verano en las preparatorias Azusa, Claremont, Duarte y Monrovia a través del Programa de Clases de No-crédito. Para mayor información, comuníquese con la oficina de consejería de estas escuelas preparatorias.

Programa de Decisión Temprana
El Programa de Decisión Temprana hace posible que los estudiantes en el último año de la preparatorias Azusa, Claremont, Duarte, Gladstone, Glendora y Monrovia que ya sometieron sus solicitudes a Citrus College, puedan visitar el campus, puedan tomar la prueba de colocación y se reúnan con un consejero durante el segundo semestre de su último año en la preparatoria.

Los estudiantes en su último año en preparatoria y que asisten a otras 'high schools' y que están interesados en participar en el proceso de Decisión Temprana pueden comunicarse con la oficina de Relaciones y Enlace con Escuelas al 626-857-4162.
Cómo Solicitar Admisión
Los estudiantes interesados en asistir a Citrus College pueden llenar una solicitud de admisión en línea en nuestro sitio de internet en https://wingspan.citruscollege.edu. No hay ningún cobro por someter esta solicitud y la solicitud se puede llenar en cualquier momento. Hay computadoras en el lobby del edificio de Servicios Estudiantiles y en otras áreas del colegio que permiten el acceso al sitio de Internet del colegio.

Una vez que se somete una solicitud de admisión, el estudiante nuevo recibirá un correo electrónico de bienvenida a Citrus College ("Welcome to Citrus College") que incluye su número de identificación de estudiante y su Número Personal de Identificación (PIN). El estudiante necesita ambos, el número de ID y del PIN para inscribirse en las clases, pagar cuotas y de forma oficial inscribirse en Citrus College.

Los estudiantes de clases de crédito pueden inscribirse en clases de no-crédito; sin embargo, los estudiantes que estén interesados en tomar únicamente clases de no-crédito deben consultar la sección de este catálogo de Clases de No-Crédito y Educación Comunitaria.

Estudiantes de Primer Año Menores de 18 Años
Se requiere comprobante de graduación para los estudiantes que no tendrán 18 años el primer día de clases en Citrus College. Se debe entregar una copia de la certificación de graduación a la Oficina de Admisiones y Récords.

Los estudiantes de preparatoria que no llenan el requisito de residencia de California deben pagar cuotas de no residentes además de las cuotas de inscripción y otras cuotas. Para más información, visite www.citruscollege.edu/ar.

Exención para No Pagar Colegiatura como No Residente de California (AB 540)
Cualquier estudiante, con la excepción de estudiantes extranjeros no inmigrantes, que llenar todos los siguientes requisitos, estará exento a pagar cuotas como no residente.

- El estudiante debió haber asistido a la preparatoria ‘high school’ (privada o pública) en California por tres o más años.
- El estudiante debió haberse graduado de una preparatoria de California o haber obtenido el equivalente antes del comienzo del semestre; por ejemplo, haber pasado el GED, el examen de Constancia de Preparatoria, o la prueba conocida ‘California High School Exit Exam’ (Examen de Salida de Preparatoria).
- Un estudiante indocumentado que no tiene estatus legal migratorio debe llenar una declaración jurada (affidavit en inglés) con el colegio en donde indica que ha llenado una solicitud para legalizar su estatus migratorio, o que llenará una solicitud tan pronto él o ella sea elegible a hacerlo.

Los estudiantes que tienen visas de no inmigrantes, por ejemplo, Turista (B-1, B-2), Estudiante Extranjero (F-1), NAFTA (TN & TD) o Estudiante de Intercambio (J), no son elegibles para recibir esta exención.

Reclasificación de residencia
Los estudiantes clasificados como no residentes pueden someter a la Oficina de Admisiones y Récords una Petición de Reclasificación de Residencia junto con los comprobantes requeridos.

Los estudiantes que se inscriben en clases en espera de la notificación de la decisión sobre la residencia, son responsables de pagar la cuota que se indica para ese semestre. Los estudiantes que son aprobados en base a los comprobantes que sometieron, recibirán un reembolso del pago que hicieron como no residentes.
La responsabilidad de comprobar la residencia recae en el solicitante. Para mayor información visite [www.citruscollege.edu/ar](http://www.citruscollege.edu/ar). La Reclasificación a Estatus como Residente debe ser iniciada por el estudiante. Se debe presentar evidencia para ser evaluada de que el estudiante ha estado físicamente en el estado de California por lo menos un año y un día antes de la fecha en que empieza el semestre.

Para información adicional sobre la residencia, favor de visitar [www.citruscollege.edu/ar](http://www.citruscollege.edu/ar) y vaya a la sección Procedimiento Administrativo 5015.

### Cuota de Servicios de Salud
La Cuota de Servicios de Salud es obligatoria tanto para estudiantes de tiempo completo como de medio tiempo. Los siguientes tipos de estudiantes están exentos a pagar la cuota:
- Los estudiantes que dependen de forma exclusiva en la oración para sanar de acuerdo a las enseñanzas de una secta religiosa, denominación u organización. Para estar exento de esta cuota, el estudiante debe presentar documentación válida de su membresía en dicha religión a la oficina del vicepresidente de servicios estudiantiles.
- Los estudiantes que asisten a Citrus College bajo un programa aprobado de entrenamiento como aprendiz.
- Los estudiantes que toman clases de Educación a Distancia y de clases de no-crédito. Sin embargo, estos estudiantes pueden pagar la cuota y recibir servicios del Centro de Salud Estudiantil.

### Cuotas y Gastos 2015-2016
La cuota de inscripción está fijada por la Legislatura Estatal de California:

| Cuota de Inscripción: $46 por unidad |
| Matriculación para Estudiante Extranjero*: $224 por unidad |
| Matriculación No Residente*: $224 por unidad |

### Cuotas de Servicios en el Campus

#### Cuota de Servicios de Salud
- Otoño & Primavera: $19
- Estudiantes BOGW: $14
- Invierno & Verano: $16
- Estudiantes BOGW: $11

#### Cuota de Estacionamiento
- Otoño & Primavera: $52
- Invierno & Verano: $26
- Cuota de Representación: $1

#### Cuota de Servicios Estudiantiles
- Otoño & Primavera: $15
- Invierno & Verano: $10

*Se requiere que los estudiantes no residentes y extranjeros paguen cuotas de inscripción y de matriculación en clases.

### Cuota de Representación Estudiantil
La Cuota de Representación Estudiantil es una cuota obligatoria de $1 que se utiliza exclusivamente para programas y servicios que benefician de forma directa la vida estudiantil y del campus.

Los estudiantes reciben una calcomanía de ASCC una vez que pagan estas cuotas. La calcomanía se debe recoger en la cajera en el edificio de Servicios Estudiantiles. El volante que acompaña la calcomanía contiene una lista de los beneficios disponibles para los estudiantes que pagan la cuota para servicios y que han recibido la calcomanía. Debido a la gran cantidad de programas y servicios que se ofrecen, requiere que todos los estudiantes paguen la Cuota de Servicios para Estudiantes.

Los estudiantes pueden solicitar no pagar esta cuota antes de pagar la matriculación de clases a través de solicitar un formulario para no pagar dicha cuota en la Oficina de Vida Estudiantil y Desarrollo de Liderazgo ‘Office of Student Life and Leadership Development’, ubicada en la parte central del colegio. Se requiere comprobante de estar inscrito en el colegio. Los estudiantes que piden no pagar esta cuota, no serán elegibles para recibir los beneficios asociados con esta cuota, pero sí lo serán para los otros servicios estudiantiles. No se aplica esta cuota a los estudiantes inscritos en clases a distancia o en clases únicamente de no crédito. Sin embargo, estos estudiantes pueden pagar la cuota y recibir beneficios descritos arriba.

### Cuota de Servicios para Estudiantes
La Cuota de Servicios para Estudiantes apoya las actividades del campus, como actividades deportivas, clubes, eventos culturales, mejoras en el colegio, becas y otros programas y servicios especiales que benefician de forma directa la vida estudiantil y del campus.

Los estudiantes reciben una calcomanía de ASCC una vez que pagan estas cuotas. La calcomanía debe recogerse en la cajera en el edificio de Servicios Estudiantiles. El volante que acompaña la calcomanía contiene una lista de los beneficios disponibles para los estudiantes que pagan la cuota.
**Cuotas de Material de Instrucción**

Se puede solicitar que el estudiante tenga que pagar una cuota por material instructivo, u otros materiales que se requieren para una clase específica. Estos materiales pueden incluir, pero no están limitados a libros, herramientas, maquinaria y vestimenta especial.

**Póliza de Reembolso de Cuotas**

Reembolso de estacionamiento, inscripción, matrícula de no residentes, cuotas de salud o servicios para estudiantes se pueden dar a los estudiantes que son elegibles y que solicitan una petición de reembolso para la fecha límite establecida por el colegio.

En el caso de un miembro activo o de la reserva del servicio militar que recibe órdenes que como consecuencia piden que se den de baja de sus clases en Citrus College, se les otorgará un reembolso completo una vez que se verifique que hayan recibido dichas órdenes.

Es la responsabilidad del estudiante regresar su permiso de estacionamiento antes de la fecha límite para recibir el reembolso y poder así recibir su reembolso de estacionamiento al darse de baja oficialmente del colegio o al cambiar sus clases en el colegio a clases a educación a distancia.

No se dan reembolsos en dinero en efectivo. Se otorgará crédito inmediato a los pagos realizados con tarjeta de crédito. Sin embargo, el estudiante o portador de la tarjeta debe de estar presente con la tarjeta de crédito y el recibo de haber hecho el pago con la tarjeta de crédito, en el momento en que se solicita el reembolso. De no ser así, una solicitud de reembolso debe ser sometida. Las cuotas que se pagaron con dinero en efectivo, cheque o tarjeta de débito recibirán un reembolso con cheque. Este cheque será enviado por correo postal a la dirección que se encuentra archivada en la Oficina de Admisiones y Récords. Por lo tanto, es importante que la dirección que se encuentra archivada en el colegio sea la correcta.

**Obligaciones Financieras de los Estudiantes**

Todas las cuotas deben de estar pagadas antes de la fecha límite para evitar ser dado de baja de la clase, incluyendo las clases en donde hay lista de espera. Las fechas límites para pagar cuotas se encuentran en el horario de clases y en Internet.

Citrus College no dará a conocer las calificaciones, no otorgará archivos oficiales, títulos, o privilegios de inscripción o ninguna combinación de lo mencionado anteriormente, a ningún estudiante que ha fallado en pagar sus obligaciones financieras que se le deben al colegio. Se retirarán las restricciones en los archivos del estudiante una vez que se haya liquidado la deuda pendiente. Las deudas deben liquidarse con dinero en efectivo, o giro postal: se pudiera cobrar una cuota de servicio del banco o un recargo.

**Cancelación de Clases**

Las clases pudieran ser canceladas por la discripción del colegio. Los estudiantes inscritos en clases canceladas pueden inscribirse en otras clases abiertas.

Los estudiantes que tienen una clase o clases que fueron canceladas por el colegio son elegibles para obtener un reembolso completo de sus cuotas pagadas por dichas clases. El estudiante debe de llenar el formulario para solicitar un reembolso en la Oficina de la Cajera. Todos los recibos, tarjetas, o permisos deben de ir adjunto a ese formulario.

**Ayuda Financiera**

La Oficina de Ayuda Financiera es responsable de iniciar, monitorear, y de entregar los fondos federales y estatales. Estos programas se ofrecen a los estudiantes en formas de becas, subsidios, empleos y préstamos. Además de los programas generales de ayuda financiera, también está disponible la exención de la Cuota BOG. Información detallada sobre el proceso de ayuda financiera y las fechas límites se puede obtener en la oficina de ayuda financiera o en Internet en [http://www.citruscollege.edu](http://www.citruscollege.edu) (hacer clic en la opción que dice ‘financial aid’).

La regla básica para todos los programas de ayuda financiera en base a necesidad económica es que la responsabilidad principal para financiar la educación post-secundaria recae en la familia del estudiante. La ayuda financiera para estudiantes tiene la intención de cubrir los costos educativos que existen después de que los recursos y contribución esperada hecha por la familia del estudiante se han tomado en cuenta. Para ser considerado para recibir ayuda financiera, el estudiante debe de completar una Solicitud Gratuita para Ayuda Federal Estudiantil (FAFSA) cada año académico nuevo, empezando el 1 de enero y de preferencia antes del 2 de marzo para poder ser elegible a recibir la cantidad máxima de ayuda financiera. El código FAFSA Título IV para escuelas federales designado para Citrus College es: 001166
Para solicitar ayuda financiera federal se debe cumplir con todos los siguientes requisitos:

1. Ciudadanía: Los solicitantes de ayuda financiera deben ser ciudadanos estadounidenses, nacionalizados, o un ciudadano estadounidense elegible.


2. Los estudiantes deben tener un número de seguro social válido.

3. Los varones que se encuentran entre los 18-25 años de edad deben registrarse con el Servicio Selectivo. Llame al 1-847-688-6888 o vaya al sitio: www.sss.gov para las fechas límites para registrarse o para verificar el registro.

4. Contar con un diploma de 'high school' (preparatoria), o de GED, o equivalente a preparatoria. Los estudiantes que asisten por primera vez al colegio, que no cuentan con un diploma de 'high school' o un diploma de Educación General (conocido como GED), o que no han pasado el Examen de Constancia de California (CPE), o que no tienen un certificado de haber tomado clases en el hogar, NO son elegibles para recibir ayuda financiera federal o estatal.

5. Los solicitantes de ayuda financiera deben de ser estudiantes de estudios superiores inscritos en un programa que conduzca a obtener un certificado, título de asociado, o programa de transferencia. Los estudiantes que cuentan con un título universitario o más alto, no son elegibles para recibir ayuda financiera federal de tipo 'Pell Grants' o estatal de tipo 'Cal Grants'.

6. Los estudiantes no deben deber ningún reembolso a ninguna institución por subsidios que se recibieron; ni tampoco estar en incumplimiento de pago de un préstamo Stafford o Perkins.

7. Mantener un Promedio Satisfactorio de Calificaciones (SAP) como lo define la Oficina de Ayuda Financiera.

8. Demostrar una necesidad económica, que es determinada por la Oficina de Ayuda Financiera y en base a los costos de asistencia al colegio (lo que se le conoce como COA) menos la Contribución Familiar Esperada (conocida como EFC), tal y como define la metodología federal.

Una vez que el estudiante haya completado de forma satisfactoria la FAFSA, deben estar en contacto con la Oficina de Ayuda Financiera para revisar el estatus de su solicitud. Los estudiantes también pueden revisar su solicitud a través de su cuenta en WingSpan. La cuenta estudiantil de email de Citrus College debe de ser activada. Esta es la primera fuente de comunicación entre la oficina de ayuda financiera y el estudiante.

La Oficina de Ayuda Financiera pudiera solicitar alguno o todos los siguientes documentos:

- La declaración de impuestos del IRS del estudiante o de sus padres con Formularios W-2
- Comprobante de ingreso libre de impuestos
- Tarjeta/s de Seguro Social
- Otra información relacionada con ingresos financieros
- Archivos académicos oficiales de todas las escuelas a las que asistió anteriormente

Cuando se determina la elegibilidad financiera, se toman en consideración diversos factores, tales como:

- Ingreso familiar libre de impuestos
- Inversión (es)
- Impuestos pagados
- Número de miembros en el hogar
- Número de miembros de la familia en el colegio

Los estudiantes que completan la FAFSA pudieran ser elegibles para uno o más de los siguientes programas:

Programas Federales
Los siguientes programas federales son subsidios, los cuales no se tienen que pagar. Sin embargo, los préstamos tienen que ser pagados.

- Federal Pell Grant es un subsidio para estudiantes que se ha determinado son elegibles basado en la metodología federal. Este programa asiste a los estudiantes que no han obtenido su título universitario.
- Federal Supplement Educational Opportunity
Grant (FSEOG) es un subsidio para estudiantes elegibles con un nivel muy alto de necesidad económica. Los estudiantes además tienen que ser elegibles a recibir un subsidio de tipo ‘Pell Grant’ para poder recibir el subsidio FSEOG.

- Federal Work Study (FWS) se otorga a estudiantes que han indicado en la solicitud FAFSA estar interesados en participar en el programa FWS. Le da a los estudiantes la oportunidad de obtener fondos a través de trabajar en empleos en el campus o fuera del campus.

- Préstamos se otorgan a estudiantes en base a su elegibilidad y son fondos que el estudiante debe pagar. Préstamos Directos (Subsidiados o No Subsidiados) se otorgan a estudiantes que los solicitan y que han de forma satisfactoria completado su solicitud de ayuda financiera (FAFSA).

Programas Estatales AB540
La ley Acta de Soñadores 'California Dream Act', está compuesta de las leyes estatales AB 130 y AB 131, las cuales extienden la elegibilidad para ciertos tipos de ayuda institucional y estatal para estudiantes, incluyendo los estudiantes indocumentados, que califican para estar exentos de pagar la matrícula como no residentes bajo la ley AB 540. Los estudiantes elegibles pueden recibir la exención para no pagar la matrícula conocida como "BOG Fee Waiver", la beca Cal Grant, la beca Chaffee Grant y la beca EOP&S. Para mayor información sobre el acta 'California Dream Act', favor de visitar el sitio de la Comisión de Ayuda Estudiantil de California.

La Exención para No Pagar Matrícula de la Junta de Regentes
La Exención para No Pagar Matrícula (BOGF por sus siglas en inglés) es una exención que se otorga a los estudiantes residentes de California, incluyendo a estudiantes AB540, para no pagar la cuota de matrícula si es que demuestran tener necesidad económica.

Pérdida de la Exención de la Junta de Regentes
La ley SB 1456 requiere que cualquier estudiante con dos semestres consecutivos que no cumple los estándares o progreso académico perderá su Exención de Cuotas BOG. El no cumplir con los estándares académicos significa tener una calificación menos de 2.0 GPA. El no cumplir con el progreso académico significa completar menos del 50% de las clases. Los estudiantes que son hijos de crianza (foster youth) no están sujetos a la pérdida de la exención de cuotas bajo estos reglamentos.

La pérdida de la elegibilidad será efectiva al primer momento de inscribirse en clases después del otoño del 2016. Si un estudiante se inscribe para un semestre antes de que haya registrado dos semestres de estar en probatoria, la pérdida ocurirá el siguiente semestre. Si un estudiante se inscribe en un semestre después de que se haya determinado que tiene dos semestres en probatoria, la pérdida de la exención ocurrirá para ese semestre. Los estudiantes pueden recuperar su elegibilidad llenando los siguientes criterios: cumplir con los estándares académicos y de progreso, no participar en clases por dos términos consecutivos (las clases de intercesión de verano e invierno no cuentan), apelar de forma satisfactoria la pérdida de la exención. Hay un proceso de apelaciones disponible para los estudiantes que tienen circunstancias graves.

Los estudiantes deben solicitar servicios de apoyo estudiantil y académico cuando lo necesiten. Para obtener una lista de los servicios de apoyo estudiantil favor de visitar la página de Servicios Estudiantiles en el sitio de Internet de Citrus College.

Cal Grants
Cal Grants son becas de subsidios diseñados para asistir a los estudiantes de familias con bajos y medios ingresos a pagar por sus gastos educativos. Estos subsidios están patrocinados por la Comisión de Ayuda Estudiantil de California (CSAC). La elegibilidad se basa en el promedio de calificación del estudiante (GPA), el ingreso del estudiante o de sus padres, y la carrera seleccionada. Para ser elegible a recibir esta beca, el estudiante debe completar la solicitud FAFSA y cumplir con las fechas límites de las becas Cal Grant, que es el 2 de Marzo de cada año. Los estudiantes AB540 son elegibles para solicitar becas de subsidio 'Cal Grants'. La disponibilidad de fondos depende del presupuesto estatal.

Chafee Grants
Los estudiantes elegibles que tienen una necesidad económica pueden calificar para recibir hasta $5,000 al año. Estos fondos se pueden usar para una carrera o entrenamiento técnico, universidad o colegio comunitario. Para calificar, el estudiante debe de ser un actual joven de crianza o haber sido uno, y no haber cumplido aún los 22 años de edad para el 1 de julio del año en que se otorgan los fondos. La corte debe de haber establecido la dependencia del estudiante mientras que tenía entre 16 y 18 años de edad (las clasificaciones
Los estudiantes que reciben una Becas Chafee no tienen que pagar este dinero. El estudiante también puede usar estos fondos para pagar por gastos de guardería, transporte y renta mientras que asiste a la escuela.

Becas
A través de su Fundación, Citrus College también ofrece una gran variedad de becas que están disponibles para estudiantes nuevos, que continúan o que se transfieren a otras instituciones. Se exhorta a los estudiantes de Citrus College a solicitar becas de fuentes externas. Para más información sobre las oportunidades de becas, favor de visitar la Oficina de Ayuda Financiera o los sitios en Internet:

www.citruscollege.edu/stdlibntsrfy/finaid
www.collegeboard.com
www.collegenet.com
www.college-scholarships.com
www.salliemae.com
www.supercollege.com
www.usafunds.org

Otras Fuentes
Se invita y exhorta a los estudiantes a comunicarse con la Oficina de Ayuda Financiera o a visitar el sitio en Internet para información adicional.

Ubicación de la Oficina de Ayuda Financiera de Citrus College:
Edificio 'Student Services', Primer Piso (626) 914-8952
financialaid@citruscollege.edu
www.citruscollege.edu/stdlibntsrfy/finaid

Departamento de Educación de EE.UU.
1-800-4FED-AID (1-800-433-3243)
Lunes a Viernes 8:00 a.m. a 8:00 p.m. EST.
www.ed.gov
1-800-730-8913 (Línea para sordomudos)

Programas Elegibles
Todos los estudiantes deben declarar una meta educativa elegible para poder establecer su elegibilidad a la ayuda financiera. Los estudiantes nuevos deben indicar su meta educativa en su solicitud de admisión. Los estudiantes que continúan sus estudios y que desean cambiar su meta educativa deben actualizar su meta educativa en la Oficina de Admisiones y Récords. La Oficina de Ayuda Financiera revisa las metas educativas para asegurarse que los estudiantes están inscritos en programas elegibles.

Las clases en las que se inscriben los estudiantes deben ser requeridas y aplicables a un título elegible, certificación, o para transferirse a la universidad. Todos los títulos son elegibles para la ayuda financiera, sin embargo, únicamente las siguientes metas educativas y certificados son elegibles para la ayuda financiera:

A - Recibir un título de asociado y transferirse a una universidad de cuatro años de estudio
B - Transferirse a una institución de cuatro años sin recibir un título de asociado
C - Recibir un título de asociado en dos años sin transferirse
D - Recibir un certificado de educación vocacional sin transferirse

Otras Fuentes
*Estos son programas que se cuentan por horas.

Programas de Conteo por Horas
La ayuda financiera federal (por ejemplo Pell Grants, Préstamos Federales) se otorga depende de los reglamentos federales. Casi todos los programas en Citrus College son elegibles para recibir ayuda federal y la entrega de fondos en manera tradicional. Sin embargo, los programas de conteo de horas tienen ciertos requisitos para reportar y para la entrega de fondos para poder ser elegible a la ayuda federal financiera bajo el Título IV. El Departamento de Educación de Estados Unidos designó los siguientes programas como programas de Conteo de Horas: Cosmetología, Asistente de Dentista, Esteticista, y Enfermero Vocacional. Los estudiantes en programas de Conteo de Horas deben de forma satisfactoria completar la mitad del número total de horas y semanas de instrucción dentro del periodo para recibir fondos para poder avanzar al siguiente periodo de pago de fondos. Los estudiantes que participan en estos programas recibirán un pago inicial de ayuda financiera al comenzar el programa y no recibirán un segundo pago hasta que hayan completado la mitad de las horas de instrucción y las semanas de instrucción.

El Progreso Académico Satisfactorio para los programas de Conteo de Horas también se calcula en base al número de horas de conteo a las que se asistió a clases y el número de semanas que se asistió a la clase.

Unidades Mínimas
El número de unidades requeridas para alcanzar estatus de estudiante de tiempo completo, lo que resulta en la cantidad máxima para que un estudiante pueda recibir fondos, es por lo menos 12 unidades. Sin embargo, los estudiantes también pueden recibir fondos por estar inscritos en tres cuartos del tiempo (9-11.5 unidades), medio tiempo (6-8 unidades), y menos de medio tiempo (0.5-5.5 unidades). La elegibilidad para ayuda financiera se basa en el número de unidades en las que está inscrito el estudiante. Un estudiante debe estar inscrito en seis unidades para recibir una Cal Grant, un préstamo, o para participar en el programa trabajo-estudio, y él o ella debe de estar inscrito en por lo menos una mitad de una unidad para recibir una beca Pell. Esta clasificación de inscripción se aplica para el otoño, invierno, primavera, y verano y la designación puede diferenciar a la de otros departamentos en el colegio. Los pagos para los programas de Conteo por Horas se calculan en base al número de conteo de horas y semanas completadas.

Cambios en la Información
Cualquier cambio en el nombre legal del estudiante, dirección, número de seguro social, o número telefónico debe reportarse inmediatamente a la Oficina de Admisiones y Récords y a la Oficina de Ayuda Financiera.

Inscripciones, Cambio en el Estatus de Inscripción, Comienzo Tarde de Clases, Darse de Baja de Clases
La ayuda financiera que se da inicialmente se basa en el estatus de estudiante de tiempo completo y se ofrece bajo la condición de que el estudiante continuará inscrito y asistirá a las clases en Citrus College. Para poder recibir la ayuda financiera como estudiante de tiempo completo, el estudiante debe de estar inscrito en un mínimo de 12 unidades a lo largo del semestre. Esto se aplica al otoño, invierno, primavera, y verano. Los estudiantes también pueden recibir fondos por estar inscritos en tres cuartos del tiempo y mantienen un número de entre 9-11.5 unidades. Estatus de medio tiempo es de 6-8.5 unidades. La ayuda de menos de la mitad del tiempo es para 0.5-5.5 unidades.

Las clases de Comienzo Tarde/ Tiempo Corto no serán contadas como parte del estatus de inscripción del estudiante hasta que la clase haya comenzado. Como resultado, la ayuda financiera del estudiante será reducida o retrasada hasta que la clase haya comenzado. Las unidades en las clases “consortium” aprobadas no se pagarán hasta después de que la clase se haya completado y los archivos oficiales se hayan recibido.

Un cambio en el estatus de inscripción durante el semestre pudiera cambiar o cancelar la cantidad de fondos de ayuda financiera del estudiante. Si el estudiante se da de baja de sus clases, su ayuda financiera será cancelada.

Cantidades en Sobregiro
Sin importar cuál sea la razón, cualquier cantidad de fondos de ayuda financiera en exceso de la cantidad que el estudiante debe de recibir, debe de ser regresada por el estudiante.

Detención de Orden de Suspensión de Ayuda Financiera
Cualquier estudiante que tenga un adeudo actual en el colegio, está sujeto a que se le detenga la ayuda financiera ‘hold’ o que se atrasé la entrega de estos fondos, hasta que se realice el pago del balance por completo.
Progreso Académico Satisfactorio (SAP)
El Congreso y el Departamento Federal de Educación otorgan fondos para estudiantes que están teniendo progreso satisfactorio en su meta educativa. El SAP se define por el Departamento Federal de Educación como el 150 por ciento del tiempo normal que le toma a un estudiante lograr su objetivo educativo. Por consecuencia, la Oficina de Ayuda Financiera requiere monitorear el progreso académico y negar la ayuda a cualquier estudiante que no mantenga un progreso académico satisfactorio:

1. Mantener un mínimo de 2.0 en Promedio de Calificaciones (GPA).
2. Mantener progreso académico (completar de forma exitosa por lo menos el 75% de las unidades en las que está inscrito)
3. Total de unidades (Período Máximo de Tiempo)- Los estudiantes pueden intentar tomar hasta 72 unidades para completar su título, o si están inscritos en un programa de certificación, un máximo de 150% del tiempo del programa para poder completarlo.

Las unidades que fueron completadas en otros colegios o tomadas sin la asistencia de ayuda financiera pudieran ser calculadas dentro del número total de unidades tomadas.

Hasta 30 unidades de cursos de preparación en Citrus College pueden ser deducidos del total de unidades acumuladas. Las clases de ESL son contadas dentro del total de número de unidades tomadas. Los estudiantes que se inscriban en un número excesivo de clases de ESL o de cursos de preparación no relacionadas con sus carreras o certificación pudieran acabar con su elegibilidad para su ayuda financiera antes de completar su programa.

La ayuda financiera del estudiante puede ser finalizada por no cumplir con el SAP. Los estudiantes que tengan situaciones graves pueden solicitar una Apelación para la Ayuda Financiera para que su ayuda sea reinstaurada. Un estudiante será colocado en probatoria de ayuda financiera si se aprueba la Apelación de Ayuda Financiera. Si el estudiante no cumple con el SAP mientras que está en probatoria, se le negará la ayuda financiera. Los estudiantes deben leer la póliza sobre la ayuda financiera y el SAP y los criterios de Elegibilidad para la Apelación para poder determinar si son elegibles para apelar su caso.

Bases para la Negación de Ayuda Financiera
Se puede negar la ayuda financiera por las siguientes razones:
- Incumplimiento en Préstamos Federales para Estudiantes
- Tener un adeudo o deber un pago en el Pell FSEOG
- No cumplir con los estándares de SAP adoptados por Citrus College para los estudiantes que reciben ayuda financiera
- Haber completado ya un título AA o un AS, o haber tomado ya 72 unidades o más o haber acumulado un 150% de las unidades requeridas para un programa de certificación
- Falsificar la información que afecta la determinación de la elegibilidad de ayuda financiera
- Falta de verificación suficiente/documentación del ingreso y recursos

Política de Reembolso de la Ayuda Financiera del Título IV (R2T4)
Los fondos del Título IV se otorgarán al estudiante bajo la creencia de que el estudiante asistirá a la escuela durante todo el periodo para el cual se le dio la ayuda financiera. Cuando un estudiante se da de baja de sus clases, el estudiante pudiera ya no ser elegible para recibir el monto total de los fondos del Título IV los cuales el estudiante originalmente recibiría. Si los fondos que se otorgaron son mayores que la cantidad que el estudiante debió haber obtenido, lo que se le llama un sobrepago de Título IV, se debe de regresar la diferencia de dicha cantidad a través de un pago hecho en un lapso de 45 días a partir de la fecha de notificación. El balance de los fondos que el estudiante no pagó, se reporta al Departamento de Educación para que sean colectados. Además de calcular el porcentaje de ayuda financiera que el estudiante fue elegible para recibir, el Departamento de Educación requiere que el colegio calcule cualquier pago institucional (cuotas) que el colegio debe regresarle al Departamento de Educación por sobrepagos. Cualquier costo que el colegio deba pagarle al Departamento de Educación será cobrado al estudiante como una Deuda Institucional. Esta deuda es adicional a cualquier sobrepago del Título IV que el estudiante deba. Hasta que se liquide el balance, se colocará una restricción en la cuenta del estudiante, lo que no permite que se inscriba en clases, o tener acceso a su archivo oficial de Citrus College. Favor de referirse a la página web de la oficina de ayuda financiera para más detalles.

Citrus College colecciona deudas a través del programa que se le conoce en inglés como ‘Chancellor’s Office Tax Offset Program’ (COTOP). COTOP autoriza
al Departamento de Recaudación de Impuestos de California (FTB) a cobrar la cantidad que se le debe al Distrito de los impuestos personales de la persona que tiene la deuda, premios de lotería o cualquier otro reembolso estatal. Si el estudiante debe dinero al Distrito y no se recibe pago, el Distrito entonces entregará la deuda para su colección a COTOP, incluyendo la Deuda Institucional. Además de la cantidad que el estudiante le debe al distrito, COTOP cobrará el 25% en cuotas de colección. Los estudiantes pueden obtener más información en el sitio de Internet de la Oficina del Tesorero o de la Cajera del Colegio sobre pagos a COTOP.

Recalculando la Pell
La Oficina de Ayuda Financiera recalculará la elegibilidad para la beca ‘Pell’ cada semestre basándose en las fechas de recálculo. Los estudiantes que fallen y no mantengan los números de unidades por los cuales se les otorgue ayuda para asistir al colegio y en las fechas indicadas, tendrán que pagar la diferencia en base a su elegibilidad de la beca ‘Pell’. La cantidad de elegibilidad para ayuda financiera es en base al número de unidades que el estudiante está inscrito al momento de recibir la ayuda en base a esta fecha (vea fechas importantes y fechas límites en la página de internet de la oficina de ayuda financiera para saber cuáles son las fechas topes).

Los estudiantes que agregan clases después de esta fecha no recibirán ayuda financiera para las clases agregadas tarde. Los estudiantes que se den de baja de clases en esta fecha o antes de esta fecha y que reciben fondos en exceso de su estatus actual de inscripción serán requeridos a pagar la cantidad en exceso que recibió basada en su número de unidades en las que estén inscritos para dicha fecha. No habrá ajustes a las cantidades de ayuda financiera después de esta fecha. Estos pagos serán adicionales a cualquier cantidad que se tenga que devolver debido a las Calculaciones del Título IV.

Asesoría, Orientación y Consejería
El proceso de asesoría, orientación, y consejería que está disponible a través del Programa de Éxito Estudiantil y Programas de Apoyo ofrece a los estudiantes con los mejores programas de asesoría académica y de consejería. Los estudiantes que participan en estos servicios estarán mejor capacitados para hacer la transición a sus estudios en el colegio y para completar su plan de estudios.

Los estudiantes también podrán obtener una fecha de inscripción con prioridad si completan la asesoría, la orientación y desarrollan su plan educativo estudiantil para una fecha específica.

¿Qué es la Asesoría?
El proceso de asesoría en Citrus College ofrece información sobre habilidades para lenguaje y matemáticas, y otras actividades necesarias para tener una experiencia exitosa en el colegio. La información que reporta el mismo estudiante se utiliza también, en conjunto con los archivos de la preparatoria o de otros colegios. Otros factores también se utilizan para asesorar que tan preparado está el estudiante para asistir al colegio, entre éstos se encuentran una evaluación de los hábitos para estudiar, metas del estudiante y aspiraciones para carrera, y los resultados en la prueba de colocación.

La evaluación de la información ayuda al consejero a determinar cuál es el programa educativo a seguir para que el estudiante pueda lograr sus metas educativas a largo plazo y poder obtener una carrera.

El horario de las pruebas de colocación se puede encontrar en http://www.citruscollege.edu/lc/testing/pages/AssessmentPlace menTesting.aspx Se recomienda a los estudiantes que tienen una discapacidad y que requieren arreglos especiales para tomar pruebas, comunicarse con la Oficina DSP&S al (626) 914-8675 para hacer los arreglos necesarios. Servicios para sordomudos están disponibles las 24 horas del día (626) 914-8674 TDD.

Revisión de la Colocación
Los estudiantes que no estén de acuerdo con los resultados de la prueba de colocación y que opinan que sus habilidades no reflejan el nivel en que se les asignó, pueden solicitar con un consejero una Revisión de la Colocación.

Los estudiantes pueden apelar el nivel de colocación en clases de inglés y/o matemáticas si pueden demostrar comprobantes de dominio del curso o haber estado en ese nivel anteriormente. Los estudiantes deben de estar preparados para presentar documentación tales como archivos de preparatoria o de colegio, o resultados de pruebas adicionales. Después de que un consejero revise la información del estudiante, se pudiera recomendar que el estudiante vuelva a tomar la prueba o se pudieran hacer ajustes en el nivel de colocación. La práctica para tomar la prueba de colocación es la siguiente:

1. El estudiante debe esperar un mínimo de cuatro
semanas antes de volver a retomar la prueba de colocación.

2. Las pruebas de colocación deben ser retomadas solamente una vez para cada materia. Con la excepción de los resultados ya expirados de pruebas de colocación (más viejos de 2 años) no se permitirá retomar pruebas adicionales. Es importante que el estudiante tome en serio la prueba de colocación, preparándose adecuadamente y hacer lo mejor que pueda.

3. Todos los resultados de pruebas de colocación son válidos por un periodo de 2 años. Se recomienda a los estudiantes a inscribirse en matemáticas e inglés en su primer año.

¿Qué es una Orientación Requerida?
El programa de orientación está diseñado a introducir a los estudiantes a un curso de estudio, los recursos del campus, los programas de apoyo estudiantil, y recomendaciones para tener éxito en el colegio. Los estudiantes tendrán las herramientas necesarias para hacer una transición fácil a la experiencia del colegio y tener éxito en sus metas.

Se exhorta a los estudiantes nuevos a Citrus College completar la prueba de asesoría y DEBEN completar su orientación. No se permitirá ninguna inscripción futura de estudiantes que han solicitado admisión al colegio y que no completaron el requisito de orientación para la fecha límite.

Los estudiantes que creen estar exentos de este requisito o aquellos que desean leer información sobre el procedimiento para cuestionar estos reglamentos de matriculación pueden referirse a la sección sobre matriculación que se encuentra en el catálogo de clases de Citrus College o en los Procedimientos Administrativos Sobre la Matriculación 5050 que se encuentran en la página de internet de Citrus College bajo “Administrative Procedures and Board Policies” buscando en el índice de la A-Z.

Opciones para la Orientación
La orientación se puede cumplir a través de las siguientes opciones:
- Orientación en persona (se recomienda para los estudiantes nuevos)
- Sesión de Asesoría y Orientación para nuevos estudiantes, incluye SEP a partir de julio del 2014
- Día de Decision Temprana en Citrus College (está disponible únicamente a través de los distritos de las "high schools")
- Orientación en línea vía Internet en http://orientation.citruscollege.edu

La sesión de Asesoría/Orientación está programada periódicamente a través de todo el año. Para mayor información, revise las fechas de colocación/orientación en la página en http://www.citruscollege.edu/lc/testing/Pages/AssessmentPlacementTesting.aspx

Consejería/ Asesoría Académica
El personal del colegio que brinda consejería ofrece una gran variedad de servicios, incluyendo pero sin estar limitados a, planificación de estudios, asesoría sobre carreras, consejería sobre transferencia a la universidad, consejería personal (problemas personales y temas que afectan el progreso académico del estudiante), Programas y Servicios para Estudiantes con Discapacidades (DSP&S), Programas de Oportunidades y Servicios (EOP&S), y programas de ayuda financiera. Los consejeros asisten a los estudiantes a planificar a largo plazo y revisan ciertos requisitos para que el estudiante pueda cumplir con los requisitos de graduación y de ciertas clases con prerrequisitos, puedan obtener su certificado en carreras o estudios técnicos, y puedan cumplir con los requisitos para transferirse a otros colegios o universidades.

Es importante que los estudiantes nuevos tengan habilidades para poder tener éxito en el colegio y poder hacer una transición fácil al colegio. Se recomienda que los estudiantes nuevos tomen los siguientes cursos de consejería durante su primer semestre en Citrus College:
- COUN 145, Career/Life Planning
- COUN 156, College Planning Today for Tomorrow
- COUN 159, On Course to Success
- COUN 160, Strategies for College Success
- COUN 161, Higher Education Transitional Skills for Student Veterans and Their Families
- COUN 200, Education Planning for Student Success

Es importante que todos los estudiantes cuenten con un Plan Estudiantil Educativo (SEP) mientras que asisten a Citrus College. Los consejeros asisten a que los estudiantes desarrollen estos planes educativos para reflejar sus metas. Se recomienda a todos los estudiantes nuevos que no son exentos a completar un SEP corto para reforzar su éxito para poder completar sus estudios. También, a partir del otoño de 2014, los estudiantes nuevos que completan sus prueba de colocación, su orientación y desarrollan su SEP para las fechas designadas contarán con in-
scripción temprana. Los SEP cortos para los estudiantes nuevos que no son exentos serán de la siguiente manera:

- **Estudiantes con 15 unidades o menos:** los estudiantes nuevos que no son exentos con 15 unidades de colegio o menos podrán completar un SEP corto durante una orientación en persona o durante una Sesión de Planificación de Cursos. Hay una lista con los horarios en [http://citruscollege.edu/lc/testing/Pages/AssessmentPlacementTesting.aspx](http://citruscollege.edu/lc/testing/Pages/AssessmentPlacementTesting.aspx) y en [http://citruscollege.edu/stdntsrv/counsel/Pages/default.aspx](http://citruscollege.edu/stdntsrv/counsel/Pages/default.aspx)

- **Estudiantes con 16 unidades o más:** Los estudiantes nuevos que no son exentos tendrán que reunirse con un consejero durante una reunión individual para crear su SEP. Antes de la cita con el consejero, el estudiante debe completar la prueba de colocación, completar la orientación y declarar un curso de estudios, además de que el archivo oficial del estudiante debe ya estar archivado en el colegio.

Como vaya progresando el estudiante, el plan se puede ir cambiando frecuentemente para reflejar sus metas. Cuando estos cambios ocurren, el estudiante debe reunirse con su consejero para actualizar su plan SEP.

**Los veteranos que planean recibir beneficios de G.I. deben** hacer una cita con el Centro para Veteranos antes de ver a un consejero.

**Seguimiento de Consejería**
Los servicios de seguimiento están diseñados para evaluar y monitorear el progreso académico del estudiante. Se ofrecen servicios especializados para los estudiantes que se encuentran en probatoria académica, en clases de habilidades básicas, y para los estudiantes que están indecisos sobre sus metas educativas. Los consejeros también refieren a programas y servicios apropiados, tanto en el campus como fuera del campus.

**Se requiere que los estudiantes en probatoria académica completen un taller en línea** sobre probatoria en [http://citruscollege.edu/stdntsrv/counsel/Pages/NewStudentMandatoryOrientation.aspx](http://citruscollege.edu/stdntsrv/counsel/Pages/NewStudentMandatoryOrientation.aspx) mucho antes de inscribirse en clases. No se permitirá la inscripción hasta que el estudiante haya tomado el taller.

**EOP&S/ CARE**
El programa ‘Extended Opportunity Programs & Services/Cooperative Agencies Resources for Education (EOP&S/CARE)’ ayuda a los estudiantes de los colegios comunitarios y que están en desventaja económica y educativa a lograr su meta académica y de carrera. Los servicios de apoyo consisten de información y asistencia para llenar la solicitud de admisión, inscripción, ayuda financiera, asesoría, y selección de carrera o especialización.

EOP&S también ofrece:
- Servicios de apoyo tales como inscripción con prioridad, asistencia para comprar libros, exenciones para no pagar cuotas de pruebas, tutoría y talleres de desarrollo personal
- Enlace a preparatorias, organizaciones comunitarias y agencias
- Asesoría con jóvenes diseñada para retener a los estudiantes utilizando mentores y personas ejemplares
- Consejeros y asesores académicos que ofrecen asesoría académica y consejería personal
- Referencias a otros servicios disponibles en el campus y en la comunidad
- Programa Puente ‘Summer Bridge Program’ de seis semanas en donde estudiantes potenciales de escuelas preparatorias locales asisten a clases, aprenden estrategias para tener éxito en el colegio y participan en paseos.

El Programa CARE, establecido por la Legislatura de California (AB 3103), asiste a los estudiantes de EOP&S que son padres solteros y que se encuentran recibiendo asistencia pública y que tienen por lo menos un hijo menor de 14 años de edad.

A través de CARE, los estudiantes reciben servicios adicionales de apoyo educativo, tales como consejería, asesoría académica y actividades de enlace con otros jóvenes específicamente diseñadas para padres solteros de bajos ingresos.

Adicionalmente, CARE ofrece subsidios y dinero para gastos de guardería, transporte, compra de libros y materiales didácticos para asegurar la retención en el colegio, la persistencia, y las tasas de transferencia entre estos estudiantes, para que puedan obtener su meta educativa, que incluye un certificado vocacional, licencias o constancias, un título de asociado o la transferencia a un colegio o universidad de cuatro años de estudio.

**¿Ofrece Citrus College Cursos para el Crecimiento & Desarrollo?**
Educación Continua, Clases de No Crédito y Educación Comunitaria
Educación Continua

Educación Continua en Citrus College ofrece oportunidades para el desarrollo personal y profesional a los miembros de la comunidad. Las clases están diseñadas para reforzar las habilidades profesionales o para ayudar a los estudiantes a aprender actividades nuevas que puedan disfrutar en su tiempo libre. Las clases de educación continua ofrecen oportunidades de aprendizaje para enriquecer la vida de las personas y mejorar la calidad de vida en nuestras comunidades.

Clases de Educación de No-Crédito

La educación de clases de no crédito son un suplemento para el continuo crecimiento de las habilidades de los estudiantes en ciertos empleos, a través de clases que incluyen habilidades básicas, desarrollo de carreras, salud y ejercicio, preparación vocacional y reentrenamiento para empleos. La inscripción en clases de educación continua es gratis y es continua durante todo el año. Ver las páginas 268-275 para la lista disponible de clases. Todas las clases de no crédito que se ofrecen están sujetas al presupuesto y al número de estudiantes inscritos.

Los estudiantes potenciales que pudieran asistir a Citrus College y que se encuentren indecisos sobre el colegio pueden empezar o continuar su experiencia del colegio con clases de no crédito. Hay servicios de consejería disponibles en el Departamento de Consejería y Asesoría. Para hacer una cita con un consejero para clases de no crédito, favor de llamar al (626) 852-6445.

La educación no-crédito ofrece clases de Inglés como Segundo Idioma (ESL) dentro de un formato tradicional de instrucción en salón de clases para estudiantes con dominio limitado del inglés.

Visite el departamento de Educación Continua en el centro ‘Lifelong Learning Center’ o llame al (626) 852-8022.

Empezando el Proceso:
Admisión para Clases de No Crédito e Inscripciones en Clases
http://www.citruscollege.edu/ce/apply/Pages/default.aspx

Paso 1: Como Solicitar Admisión para Clases de No Crédito

Los solicitantes nuevos deben crear una cuenta NUEVA si están solicitando ser admitidos en clases de no crédito en internet por primera vez. Los estudiantes que continuarán tomando clases de no crédito pueden ingresar en internet indicando que es un usuario que regresa “RETURNING”.

- Los solicitantes deben contar con un correo electrónico para poder completar su solicitud de admisión.
- Complete y someta su solicitud en línea; asegúrese de hacer clic en “APPLICATION IS COMPLETE” para indicar que ya terminó su solicitud.
- Importante: imprima la página de verificación para su archivo. Esta página de verificación incluye su Número de Identificación de Citrus College, el cual es necesario para inscribirse en las clases y para tener acceso a WingSpan.
- Revise WingSpan en 24 horas después de haber sometido la solicitud en línea para poder revisar y activar su cuenta de correo electrónico de Citrus College.

Paso 2: Inscripción para Clases de No Crédito

Una vez que la solicitud de admisión esté completada y sometida, espere una hora, luego vaya a WingSpan para inscribirse en clases. El Número de Identificación de Citrus College y el número PIN que se usaron en el paso 1 son necesarios para poder tener acceso a WingSpan.

- Para más información y para ver la lista completa de las clases ofrecidas, puede ver el catálogo de clases y horarios de Educación Comunitaria y de No Crédito. Los horarios están disponible en línea en http://www.citruscollege.edu/ce/apply/Pages/default.aspx

Educación Comunitaria

El programa Educación Comunitaria de Citrus College ofrece oportunidades de crecimiento personal y de desarrollo profesional a los miembros de la comunidad. Las clases tienen precios moderados, talleres, seminarios y actividades, y están disponibles para personas que deseen desarrollar sus habilidades profesionales, empezar o ampliar un negocio, enriquecer sus experiencias culturales, sus vidas, o relaciones, o participar en actividades recreativas y de entretenimiento.

El Colegio también tiene una sociedad con el programa ‘ED2GO/ GES Career Training Program’ y con “Career Step” para preparar a los estudiantes para carreras a través de clases en línea.

Entrenamiento especializado está disponible para negocios y organizaciones que tienen necesidades de desarrollo de su fuerza laboral.

Clases de Educación Comunitaria, actividades y eventos están disponibles en los días y horarios...
que responden a las necesidades de los adultos activos de hoy día. Las sesiones de clases varían de clases por unas horas a clases que se reúnen por varias fechas.

Clases de Educación Comunitaria son financiadas por cuotas que se colectan de los participantes de las clases. Los horarios de clases se publican tres veces al año y son enviados por correo postal a los residentes que viven en el área del Distrito de Colegio Comunitario Citrus College y se puede acceder en internet en www.citruscollege.edu/ce.

Inscripción en Clases de Educación Comunitaria con Costos
Miembros de la comunidad que estén interesados en tomar clases con costos de educación comunitaria deben pre-registrarse antes de tomar la clase. El pre-registro para estas clases es obligatorio. La inscripción previa asegura el espacio en la clase para el estudiante, y determina si la clase se llevará a cabo o se tendrá que cancelar por falta de suficientes estudiantes, además de que permite el aviso a los estudiantes para indicarles si se canceló la clase. Todas las clases están sujetas a cambios a la discreción del Departamento de Educación Comunitaria. Hay cuatro maneras fáciles de inscribirse en clases con costos.

1. En Internet
Los estudiantes se pueden registrar en las clases y ver la selección actual de clases al hacer clic en citruscollege.augusoft.net. Ahí pueden crear una cuenta, buscar clases, y registrarse. Información adicional sobre cómo registrarse por Internet se encuentra en la página web de Educación Comunitaria, Instrucciones para el Registro en Internet, http://www.citruscollege.edu/ce/Pages/RegistrarAdvance.aspx

2. Por Correo Postal
Hay un formulario para registrarse en clases en el horario de clases impreso. Escriba legible y provea toda la información que se requiere en el formulario para asegurarse que la inscripción sea rápida. Las cuotas se pueden pagar con tarjeta de crédito, cheque o giro postal hecho a nombre de Citrus College. Los pagos se pueden enviar por correo postal a: Continuing Education Office Citrus College 1000 W. Foothill Blvd. Glendora, CA 91741-1899

3. Por Teléfono
El registro por teléfono está disponible, se aceptan tarjetas VISA, MasterCard y Discover. Llame al (626) 852-8022, de lunes a jueves de 8 a.m. a 9 p.m. y los viernes de 8 a.m. a 12 p.m.

4. Por Fax
Los estudiantes se pueden registrar en clases en cualquier momento a través de enviar un fax y hacer el pago por medio de VISA, MasterCard o Discover. Complete el formulario que se encuentra en el horario de clases impreso y envíelo por fax al (626) 852-8028.

5. En Persona
Los estudiantes se pueden registrar en persona en la Oficina de Educación Continua. La oficina está ubicada en el 'Lifelong Learning Center', el horario es de lunes a jueves de 8 a.m. a 9 p.m. y los viernes de 8 a.m. a 12 p.m.

Lista de personal que habla español:

Admisiones y Registros
Julie Miranda
(626) 857-4132
Gerald Sequeira
(626) 914-8519

Transferencia
Maria Le Duc
(626) 857-4096

Consejería Académica
Claudia Castillo
(626) 914-8537
Laura Villegas
(626) 857-4093

Ayuda Financiera
Guillermo Miranda
(626) 914-8592

Programas Educativos de Oportunidades y Servicios (EOP&S)
Joanne Hinojosa
(626) 914-8558

Servicios Fiscales
Rosalinda Buchwald
(626) 914-8897
What are the Rules?
Academic Policies and Requirements, Attendance and Enrollment

Attendance Policy
Students are expected to attend all of the classes in which they are enrolled. Meetings include regularly scheduled course sessions and other required activities such as labs, field trips, athletic meets, and performances. It is the instructor’s responsibility to notify the students of all such required activities early enough in the semester to enable students to attend all meetings.

Absences
It is the student’s responsibility to speak to the instructor regarding their absence and arrange to make up the coursework missed. Instructors may allow makeup work for excused absences for reasons that include:
- Illness, bereavement, personal emergency or medical appointment
- College-approved field trips, performances or intercollegiate events

Adding and Dropping Classes
Students are responsible for dropping their own unwanted classes. This can be done online via the students’ WingSpan account. Deadlines for dropping classes with and without record are posted online for each semester, along with other vital information regarding important dates to remember.

Instructor Drop
An instructor may drop a student who has missed three class meetings in a regular semester class that meets two or more times a week or who has missed two class meetings in a class that meets once a week. Instructors teaching classes that meet less than a full semester (summer, winter, short-term) may allow fewer absences.

If a student fails to attend the first class meeting of a term without prior permission from the instructor, the instructor may give that student’s place to another student on the waitlist.

Auditing Courses
Auditing classes is not permitted.

Program Changes: Adding and Dropping Classes
Students wishing to make adjustments in their program (add or drop a class) may do so by the add/drop deadline dates posted on the Admissions and Records Office web page.

Credits, Grades and Academic Status
All courses listed in the description of courses section have been reviewed by the Citrus College Curriculum Committee and approved by the Board of Trustees in accordance with California Education Code requirements.

Units
A unit is the amount of college credit earned by satisfactory completion of a course taken for one semester. A unit of credit may be earned by:
- One hour per week of lecture or recitation
- Three hours in a laboratory or other exercises not requiring outside preparation

Grades
Grade reports will be available online, a few days after the close of each semester and session, through https://wingspan.citruscollege.edu Contact the Admissions and Records Office for more information.

Academic Record Symbols and Grade Points

Evaluative Grades
Evaluative grades are assigned grade point values, which are used in calculating a student’s GPA. An instructor’s determination of a student’s grade is final if no evidence of mistakes, fraud, bad faith or incompetence has been determined.

Symbol Definition Grade Point
A Excellent 4
B Good 3
C Satisfactory 2
D Less than satisfactory 1
F Failing 0
FW Failing/Withdrawal 0 Indicates that a student ceased participating in a course after the drop date without achieving a final passing grade.
P Passing 0 At least satisfactory, units awarded, not counted in grade point average
NP No Pass 0 Less than satisfactory, or failing, units and grade not counted in grade point average

Minimum Grade Requirements
A C or better is required in courses that are prerequisites to other courses. Other instances in which a C or better is required include courses taken to:
• Satisfy competency for degree or transfer
• Fulfill major requirements for the associate degree or transfer
• Complete requirements for a vocational certificate of achievement
• Meet statutory regulations (usually part of a transfer pattern)
• Complete courses within IGETC (Intersegmental General Education Transfer Curriculum) categories

A D is the minimum acceptable grade in electives and other limited categories of coursework.

Progress Indicators for Noncredit Courses
Students enrolled in noncredit courses receive one of the following progress indicators. Progress indicators do not receive grade points and are not used in calculating a student’s GPA.

P  Pass, satisfactory completion of a course
SP  Satisfactory Progress toward completion of a course
NP  Did not complete the course satisfactorily (no measurable or unknown progress)

Non-Evaluative Grades
Non-evaluative grades are not assigned a grade point value and therefore are not used in calculating GPA. Credits are not issued when the following non-evaluative grades are assigned.

Incomplete: I
Incomplete academic work for unforeseeable, emergency and justifiable reasons may result in the I symbol being entered in a student’s record at the end of the term. The condition for removal of the I, and the grade to be assigned at the time of its removal, is stated by the instructor in a written record. An I will not be used in calculating units or grade points.

A copy of the written record is given to the student and the original is filed in the Admissions and Records Office. A final grade is assigned when the required work has been completed and evaluated, or when the time limit for completing the work has passed.

An incomplete grade may be made up within one year following the end of the term in which it was assigned.

Withdrawal: W
W denotes withdrawal from a class or classes when a student withdraws after the no-notation deadline, but before the drop with a W deadline. No notation is made on the academic record of a student that withdraws before the no-notation deadline. Please consult the Admissions and Records Office for deadline dates.

Although W is not used in calculating grade point average, excessive withdrawals are used as factors in calculating academic standing and may result in a student being placed on progress probation or dismissal. Withdrawals count towards repetition limits for courses.

Withdrawal from a class or classes due to extenuating circumstances—verified cases of accident, illness or other circumstances beyond the control of the student—may be authorized after the withdrawal deadline and before the issuance of a grade, upon petition by the student.

Military Withdrawal: MW
MW is assigned to active or reserve members of the military who receive orders that compel a withdrawal from courses. Upon verification of such orders, a MW will be assigned at any time, during which no notation is made for withdrawals. A Military Withdrawal shall not be counted in progress probation and dismissal calculations, or in course repeatability limits.

In Progress: IP
IP is used only in those courses that extend beyond the normal end of an academic term. It indicates that work is “in progress,” and that a grade will be assigned upon completion of the work. When the appropriate evaluative grade and unit credit is assigned, it will appear on the student’s record for the term in which the required work of the course is completed.

Report Delayed: RD
RD is assigned by the registrar when there is a delay in reporting the grade of a student, due to circumstances beyond the control of the student. It is a temporary notation and is replaced by a permanent symbol as soon as possible.

Evaluating Academic Progress

President’s List
To be eligible for the President’s List, a student must have a 3.8 GPA in at least 6 units completed in the semester they are being recognized, and a minimum 24 units completed at Citrus College. Non-degree applicable courses are not included.

Dean’s List
Dean’s List students must have a 3.5 GPA in at least 6 units completed in the semester they are being recognized, and a minimum of 24 units completed at Citrus College. Non-degree applicable courses are not included.
Notice of Satisfactory/Unsatisfactory Work
It is the instructor’s responsibility to provide at least two evaluations of a student’s progress, such as exams and/or papers, before the mid-semester or before the withdrawal deadline.

Probation, Dismissal and Reinstatement
Probation
A student shall be placed on academic probation if he/she has attempted a minimum of 12 semester units of work and has a cumulative grade point average of less than a C (2.0). A student shall be placed on progress probation if he/she has enrolled in a total of at least 12 semester units and the percentage of all units in which the student has enrolled, for which entries of W, I, NC and NP were recorded reaches or exceeds fifty percent.

A student on academic probation shall be removed from probation when the student’s cumulative grade point average is 2.0 or higher. A student on progress probation shall be removed from probation when the percentage of units in the categories of W, I, NC and NP drops below fifty percent. Military withdrawals (MW) are not included in the progress probation calculation.

Each student shall be notified of his/her academic status and the availability of college support services before the student is subject to dismissal. A probation notice shall be sent after the fall and spring semesters to the student via Citrus College e-mail informing him/her that he/she is on academic and/or progress probation.

The notification advising the student of probation will cover, at a minimum, the significance of being on probation, and a referral to counseling services to assist the student to improve his/her academic standing.

Review of Probation Status
A student on probation will be required to participate in a counseling probation intervention and take corrective actions to improve his/her academic standing. A counselor may limit the number of units a student may enroll in and/or require enrollment in specific courses.

Dismissal Standards of Dismissal
A student who is on academic probation for two consecutive semesters and whose semester grade point average for both semesters is less than 2.0 shall be subject to dismissal.

A student who is on progress probation shall be subject to dismissal if fifty percent or more of the cumulative units recorded in each of two consecutive semesters have an entry of W, I, NC and NP. Military withdrawals (MW) are not included in the progress probation calculation.

Dismissal Notification
A notice will be sent to dismissed students via Citrus College e-mail informing the student that he/she has been dismissed for the semester. The notice will make reference to this procedure, and explain the dismissal process, the procedure for readmission and the procedure to appeal the dismissal.

Petition To Appeal Dismissal
Because of Extenuating Circumstances
A student who has been dismissed from Citrus College may only appeal the decision if he/she encountered extenuating circumstances and can prove that these circumstances affected his/her scholastic performance. Petitions will be accepted in the Counseling and Advisement Center.

A petition for readmission must be supported with evidence of readiness to do successful college work. The student is encouraged to meet with a counselor prior to registration each semester until he/she is removed from probationary status.

Petition for Readmission from Dismissal After One Semester
A student who has been dismissed must sit out at least one semester. A dismissed student may file a petition with the Counseling and Advisement Center for readmission. The student will be required to make an appointment with a counselor to complete the petition process. A student may be limited to the number of units and/or required to enroll in specific classes. The petition will be reviewed by the dean of counseling and the dean of admissions.

A petition for readmission must be supported with evidence of readiness to do successful college work. The student is encouraged to meet with a counselor prior to registration each semester until he/she is removed from probationary status.

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A petition for readmission must be supported with evidence of readiness to do successful college work. The student is encouraged to meet with a counselor prior to registration each semester until he/she is removed from probationary status.
and change of work hours (work documentation), etc.

A personal statement describing the extenuating circumstance and how the student’s school work was affected.

The decision of the committee will be communicated to the student within 10 working days of appeal. The student may appeal the decision to the committee in writing to the vice president of student services within 10 working days of the date of notification of the decision by the committee. The decision of the vice president of student services is final.

If the student’s dismissal appeal is granted, the student will continue on probation for an additional semester. At the end of the additional semester, the student’s academic record will again be evaluated to determine whether the student may be removed from probation, should be dismissed, or should be continued on probation.

**Readmission**

Readmission may be granted, denied or postponed as specified in Administrative Procedure 4255.

The superintendent/president shall develop procedures for the implementation of this policy that comply with the Title 5 requirements.

The above standards shall be applied as the minimum standards of satisfactory progress for students who are recipients of federal and state funds administered by the college.

**Readmission After Dismissal**

A dismissed student who does not enroll at Citrus College for at least one semester will be reinstated.

After each semester, the student’s academic record will again be evaluated to determine whether the student should be removed from probation and dismissal, should be on probation, or should once again be dismissed.

**Course Repetition**

A student may enroll in a course and receive a satisfactory grade of A, B, C, or P only once, unless the course description in the college catalog states that the course may be repeated for credit. Noncredit courses are repeatable.

**Courses Repeated to Improve a Non-Passing Grade**

A student may repeat a course only once when a D, F, NP, W or FW has been earned. A student must file a petition with the Counseling and Advisement Center and receive approval prior to attempting a course for a third time. The petition will be considered if the withdrawal or substandard grade was the result of extenuating circumstances. Extenuating circumstances are defined as verified cases of accident, illness or other circumstances beyond the control of the student. If the student earns a non-passing grade on the third attempt, the student may not enroll in that course again unless an exception outlined in AP 4225, AP 4227, AP 4228, or AP 4229 applies.

When a D, F, FW or NP is repeated, the units and grade points of the last grade will be used in computing the student’s grade point average at Citrus College. The previous grade will be alleviated as long as no more than two prior grades are alleviated.

The permanent academic record shall be annotated in such a manner that all work remains legible.

A student who subsequently repeats a course at another accredited college may request to alleviate a final grade of D, F, FW or NP earned for the same class at Citrus College. The student must file a petition and verify the grade with an official college transcript.

The permanent academic record shall be annotated in such a manner that all work remains legible.

**New Rules on Course Repetability and Course Families**

**Repeating Courses for Credit**

In the past, many classes at Citrus College were defined as “Repeatable,” meaning that a student could take these classes for credit and receive a passing grade more than one time. These included Kinesiology activity classes, hands-on and performance classes in Fine and Performing Arts and Communications, Co-operative Education classes, and classes designed specifically for students in the DSPS program.

Recent changes to the regulations governing community colleges statewide mean that most of these courses are no longer considered generally repeatable. Courses that remain repeatable include:

1. Competitive Athletics and Conditioning courses (KIN courses numbered 200 and up and KINC courses)
2. Academic courses specifically designed for students to participate in a state-recognized competition
3. Courses that must be repeated to meet lower-division degree requirements at transfer institutions
The new rules also allow individual students to apply to repeat courses in DSPS and adapted physical education.

**Course Families**

In addition to the changes in repeatability rules, certain courses in Kinesiology and Fine and Performing Arts are now grouped into “families” giving similar educational experiences. These families are listed below as well as in the individual disciplines in which they apply (ART, DANC, KIN, MUSC, MUSE, MUSP, and THEA).

Within any given course family, students are only permitted four “experiences” while enrolled at Citrus College. An experience in this case is defined as taking a course and receiving any letter grade, including a substandard grade (D, F, NP, or W). Once a student has received four experiences in a given family, they will not be permitted to enroll in any other class within that family, even to alleviate a sub-standard grade.

This limitation applies to courses taken prior to Fall 2013. So if a student has already received a grade in three courses within a given family, then they will only be permitted one more attempt at a course within that family. If a student has four or more experiences in a given family prior to Fall 2013, they will not be permitted to attempt any more classes in that family.

Although some families have more than four courses in them, a student will only be permitted to take four of the courses in the family.

Note: Students can no longer receive credit for the same course more than one time unless it is specifically designated a repeatable course (see Repeating Courses for Credit above).

The courses included in course families are:

**Art**
Fundamentals: ART 110, 111, 130, 140, 143
Ceramics: ART 141, 142, 240, 241
Commercial Ceramics: ART 146
Design: ART 120, 121, 145, 149
Sculpture: ART 180, 181, 182, 183, 184
Drawing: ART 112, 115, 116
Painting: ART 131, 131A, 230
Graphic Design: ART 150, 158, 189
Digital Art: ART 153, 162, 167, 168
Advanced Digital Art: ART 163, 253, 267, 268

**Dance**
Tap: DANC 159, 259, 269, 279
Jazz: DANC 160, 260, 270, 281
Ballet: DANC 162, 262, 272, 292
Modern: DANC 161, 261, 271
Alignment/Correctives: DANC 130
Introduction/Hip Hop: DANC 103, 158, 258
Musical Theatre Dance: DANC 263, 263A, 265, 265A, 265B
Popular Dance: DANC 264, 266, 284, 296
Choreography and Production: DANC 172, 289

**Kinesiology**
Aquatics: KIN 142, 143
Individual Sports: KIN 101, 102, 103, 106, 108
Team Sports: KIN 130, 134, 135
Aerobic Fitness: KIN 146, 147, 151, 153, 159
Resistance Training: KIN 145, 152
Progressive Relaxation: KIN 116
Combatives: KIN 104

**Music**
Developmental: MUSE 020, 070, 090
Individual Instruction: MUSP 290, 291, 292
Choral: MUSC 106, 107, MUSP 100, 101, 105, 106, 110, 111, 200, 201, 206, 207
Symphonic: MUSP 145, 146, 245, 246
Jazz: MUSC 122, 123, 222, 223
Commercial: MUSC 100, 102, 103, 104, 105, 204
Chamber: MUSC 142, 143, 144, 146, MUSP 115, 120, 121, 133, 134, 136, 138, 140, 141, 240, 241, 242, 243
Studio: MUSC 120, 121, 130, 131, 220, 221, 230, 231
Musical Theatre: MUSC 170, 171, MUSP 170, 171, 173, 178, 181, 182, 281, 282
Career Development: MUSC 118, 170, 171, 175, 177, 179, 251, 271
Credit by Examination/Locally Administered Examination
Citrus College may grant students course credit through district-administered examinations under the following conditions:
- The student is currently enrolled at Citrus College.
- The student’s overall GPA in all college units attempted at Citrus College is 2.0 or higher.
- The student may not be currently enrolled (beyond the census date) in the same course.
- The student may not be currently enrolled in a more advanced course.
- The student has not already received credit for a more advanced course which follows the course in sequence.
- The student has not previously attempted credit by exam for this course.
- The course is listed in the college catalog.
- The course has been approved by the Curriculum Committee for “Credit by Examination” or is a high school articulated course.

Credit by Examination/ Locally Administered Examination
Citrus College may grant students course credit through district-administered examinations under the following conditions:
- The student is currently enrolled at Citrus College.
- The student’s overall GPA in all college units attempted at Citrus College is 2.0 or higher.
- The student may not be currently enrolled (beyond the census date) in the same course.
- The student may not be currently enrolled in a more advanced course.
- The student has not already received credit for a more advanced course which follows the course in sequence. The student has not previously attempted credit by exam for this course.
- The course is listed in the college catalog.
- The course has been approved by the Curriculum Committee for “Credit by Examination” or is a high school articulated course.

Credit Through the College Level Examination Program (CLEP)
The District will grant up to six (6) units area, subject, or elective credit for a score of 50 or above in a general examination of the College Level Examination Program (CLEP) of the College Entrance Examination Board.

A student may be granted no more than 30 units through any combination of credit by examination (AP, CLEP, IB or local examinations) and evaluation of military service or other non-classroom experiences.
Credit by Examination - Articulated Career Technical Education Courses
A high school student may be issued Career Technical Education (CTE) course credit under the following conditions:
- An Institutional Articulation Agreement is in place between the college and the unified school district (USD)/ regional occupational program (ROP);
- A course-to-course articulation agreement has been approved by faculty and the course assessment has been administered as authorized;
- Instructional personnel responsible for the course have completed, and submitted, documentation and grade within 90 days of the administration of the exam;
- The student earned a grade of B or better on the authorized exam; and
- The student is registered at the college beyond the census date in at least one course and within nine months of exam administration.

Institutional and course-to-course articulation agreements, secondary course rosters/assessment results and CTE course credit documents are administered by the division dean responsible for Articulated Career Technical Education course credit/Tech Prep. Documentation that verifies the earning of credit by exam will be provided to Admissions and Records in a timely manner.

Ultimately, the transcript of the student registered at the college will reflect the awarding of credit during the semester it was earned.

Credit for Courses Taken at Other Colleges
Academic credits earned at other regionally accredited institutions are evaluated at the time of a student’s initial enrollment at Citrus College. It is therefore important that the student request official transcripts from all colleges previously attended. These transcripts should be sent to the Admissions & Records Office.

A student who has taken coursework at institutions of higher learning outside of the United States and who wishes to have that coursework considered toward his/her educational goal at Citrus College must have the academic credentials evaluated by a bonafide independent evaluating agency. A list of recommended agencies is available in the Admissions and Records Office.

Citrus College Credit by Externally Administered Examination
Students may earn credit for externally administered examinations under the following guidelines:

Credit by Examination - (Advanced Placement (AP), International Baccalaureate (IB) and College Level Examination Program (CLEP))

The student must be currently enrolled to receive externally administered credit by exam.

• Advanced Placement
The District will grant three to six (3–6) units of area or elective credit for an examination score of three, four or five (3, 4 or 5) in subjects of the Advanced Placement (AP) program of the College Entrance Examination Board.

• International Baccalaureate
The District will grant three to four (3-4) units of area or elective credit for an examination score of five, six or seven (5, 6 or 7), in the subjects of the International Baccalaureate (IB) Higher Level exams. Subject credit rather than elective credit may be granted upon recommendation of the department.

• Credit Through the College Level Examination Program
The District will grant up to six (6) units area, subject, or elective credit for a score of 50 or above in a General Examination of the College Level Examination Program (CLEP) of the College Entrance Examination Board.

A student may be granted no more than 30 units through any combination of credit by examination (AP, CLEP, IB or local examinations) and evaluation of military service or other non-classroom experiences.
Citrus College Credit for Advanced Placement (AP) Tests

The student must be currently enrolled to receive Credit for Advanced Placement Tests.

Advanced Placement - The District will grant three to six (3 –6) units of area or elective credit for an examination score of three, four or five (3, 4 or 5) in subjects of the Advanced Placement (AP) program of the College Entrance Examination Board.

Students must turn in official College Board AP exam results to the Admissions Office and fill out a petition form to receive credit.

<table>
<thead>
<tr>
<th>EXAM</th>
<th>Citrus Course Deemed similar by faculty AA/AS Internal Use Only</th>
<th>AA/ AS GE Area or Elective Units</th>
<th>CSU GE</th>
<th>CSU - UNITS EARNED TOWARD TRANSFER</th>
<th>IGETC</th>
<th>UC - UNITS EARNED TOWARD TRANSFER</th>
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<tr>
<td>Art History</td>
<td>ART 101</td>
<td>C1. Arts 3 semester units</td>
<td>Area C1 or C2 3 semester units</td>
<td>6 semester units</td>
<td>Area 3A or 3B 3 semester units</td>
<td>8 quarter/5.3 semester units</td>
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<tr>
<td>Art (Studio) 2D Design</td>
<td>No course equivalency; elective; 3 semester units</td>
<td>Elective 3 units</td>
<td>N/A</td>
<td>3 semester units</td>
<td>N/A</td>
<td>8 quarter/5.3 semester units</td>
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<td>3D Design Drawing</td>
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<tr>
<td>Biology</td>
<td>BIOL 105</td>
<td>B1. Biology 4 semester units</td>
<td>Area B2 and B3 4 semester units</td>
<td>6 semester units</td>
<td>Area 5B (with lab) 4 semester units</td>
<td>8 quarter/5.3 semester units</td>
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<tr>
<td>+Calculus AB</td>
<td>MATH 190</td>
<td>A3. Mathematics 3 semester units</td>
<td>Area B4 3 semester units</td>
<td>3 semester units*</td>
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<td>4 quarter/2.7 semester units**</td>
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<td>+Calculus BC</td>
<td>MATH 191</td>
<td>A3. Mathematics 3 semester units</td>
<td>Area B4 3 semester units</td>
<td>6 semester units*</td>
<td>Area 2A 3 semester units</td>
<td>8 quarter/5.3 semester units**</td>
</tr>
<tr>
<td>+Calculus BC/AB Subscore 4</td>
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<tr>
<td>Chemistry</td>
<td>CHEM 110</td>
<td>B2. Physical Science 4 semester units</td>
<td>Areas B1 and B3 4 semester units</td>
<td>4 semester units</td>
<td>Area 5A (with lab) 4 semester units</td>
<td>8 quarter/5.3 semester units</td>
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<tr>
<td>Chinese Language &amp; Culture</td>
<td>No course equivalency</td>
<td>C2. Humanities 6 semester units</td>
<td>Area C2 3 semester units</td>
<td>6 semester units</td>
<td>Area 3B and 6A 3 semester units</td>
<td>8 quarter/5.3 semester units</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>CS 111; 4 semester units*</td>
<td>Elective Credit 3 units</td>
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<td>3 semester units**</td>
<td>N/A</td>
<td>2 quarter/1.3 semester units***</td>
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<td>N/A</td>
<td>4 quarter/2.7 semester units***</td>
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<td>**Maximum one exam toward transfer</td>
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<td>***Maximum 4 quarter/2.7 semester units for both</td>
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<td>Economics - Macroeconomics</td>
<td>ECON 101</td>
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<td>Area D2 3 semester units</td>
<td>3 semester units</td>
<td>Area 4B 3 semester units</td>
<td>4 quarter/2.7 semester units</td>
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</table>

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<table>
<thead>
<tr>
<th>EXAM</th>
<th>Citrus Course Deemed similar by faculty AA/AS Internal Use Only</th>
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<th>UC - UNITS EARNED TOWARD TRANSFER</th>
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<tbody>
<tr>
<td>Economics - Microeconomics</td>
<td>ECON 102</td>
<td>D1. History/Political Science 3 semester units</td>
<td>Area D2 3 semester units</td>
<td>3 semester units</td>
<td>Area 4B 3 semester units</td>
<td>4 quarter/2.7 semester units</td>
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<tr>
<td>English - Language &amp; Composition</td>
<td>ENGL 101</td>
<td>A1. English Composition 3 Semester units</td>
<td>Area A2 3 semester units</td>
<td>6 semester units</td>
<td>Area 1A 3 semester units</td>
<td>8 quarter/5.3 semester units</td>
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<tr>
<td>English - Literature &amp; Composition</td>
<td>ENGL 101 or ENGL 102</td>
<td>AII. English Composition or C2. Humanities 3 Semester units</td>
<td>Area A2 and C2 6 semester units</td>
<td>6 semester units</td>
<td>Area 1A or 3B 3 semester units</td>
<td>8 quarter units/5.3 semester units*</td>
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<td>+ Environmental Science</td>
<td>BIOL 145</td>
<td>B2. Physical Science 3 Semester units</td>
<td>Area B2 and B3 (if taken prior to Fall 2009) or Area B1 and B3 (regardless of when taken) 4 semester units</td>
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<td>4 quarter/2.7 semester units</td>
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<tr>
<td>French Language</td>
<td>FREN 101 &amp; 102</td>
<td>C2. Humanities 6 Semester units</td>
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<td>6 semester units</td>
<td>Area 3B and 6A 3 semester units</td>
<td>8 quarter/5.3 semester units</td>
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<tr>
<td>French Literature</td>
<td>No course equivalency</td>
<td>C2. Humanities 3 Semester units</td>
<td>Area C2 3 semester units</td>
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<td>Area 3B and 6A 3 semester units</td>
<td>8 quarter/5.3 semester units</td>
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<tr>
<td>German Language</td>
<td>GER 101 &amp; 102</td>
<td>C2. Humanities 6 Semester units</td>
<td>Area C2 3 semester units</td>
<td>6 semester units</td>
<td>Area 3B and 6A 3 semester units</td>
<td>8 quarter/5.3 semester units</td>
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<tr>
<td>Government &amp; Politics-Comparative</td>
<td>3 semester units</td>
<td>D1. History/Political Science 3 semester units</td>
<td>Area D8 +US-2 3 semester units</td>
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<td>Area 4H 3 semester units</td>
<td>4 quarter/2.7 semester units</td>
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<td>Government &amp; Politics - U.S.</td>
<td>POLI 103</td>
<td>D1. History/Political Science</td>
<td>Area D8 and US 2* 3 semester units</td>
<td>3 semester units</td>
<td>Area 4H 3 semester units</td>
<td>4 quarter/2.7 semester units</td>
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<tr>
<td>History - European</td>
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<td>D1. History/Political Science 3 semester units</td>
<td>Area C2 or D6 3 semester units</td>
<td>6 semester units</td>
<td>Area 3B or 4F 3 semester units</td>
<td>4 quarter/2.7 semester units</td>
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<td>EXAM</td>
<td>Citrus Course Deemed similar by faculty AA/AS Internal Use Only</td>
<td>AA/AS GE Area or Elective Units</td>
<td>CSU GE</td>
<td>CSU - UNITS EARNED TOWARD TRANSFER</td>
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<td>History - U.S.</td>
<td>HIST 108</td>
<td>D1. History/Political Science 3 semester units</td>
<td>Area C2 or D6 + US-1 3 semester units</td>
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<td>8 quarter/5.3 semester units</td>
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<td>History - World</td>
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<td>Human Geography</td>
<td>GEOG 102</td>
<td>D1. History/Political Science 3 semester units</td>
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<td>Italian Language &amp; Culture</td>
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<td>C2. Humanities 6 semester units</td>
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<td>Area 3B and 6A 3 semester units</td>
<td>8 quarter/5.3 semester units</td>
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<tr>
<td>Japanese Language &amp; Culture</td>
<td>JPN 101 &amp; 102</td>
<td>C2. Humanities 6 semester units</td>
<td>Area C2 3 semester units</td>
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<td>Area 3B and 6A 3 semester units</td>
<td>8 quarter/5.3 semester units</td>
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<td>Latin - Virgil</td>
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<td>4 quarter/2.7 semester units</td>
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<td>Area 3B and 6A 3 semester units</td>
<td>4 quarter/2.7 semester units</td>
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<td>Physics B</td>
<td>PHYS 110</td>
<td>B2. Physical Science 4 semester units</td>
<td>B1 and B3 4 semester units*</td>
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<td>Area 5A (with lab) 4 semester units</td>
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<td>Physics C - Mechanics</td>
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<td>4 semester units*</td>
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<td>Physics C - Magnetism</td>
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<td>4 semester units*</td>
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<td>4 quarter/2.7 semester units**</td>
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<td>AP PHYSICS EXAM LIMITATIONS</td>
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<td>Psychology</td>
<td>PSY 101</td>
<td>D2. Behavioral Science 3 semester units</td>
<td>Area D9 3 semester units</td>
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<td>Area 4I 3 semester units</td>
<td>4 quarter/2.7 semester units</td>
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<td>EXAM</td>
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<tr>
<td>Spanish Language</td>
<td>SPAN 101 &amp; 102</td>
<td>C2. Humanities 6 semester units</td>
<td>Area C2 3 semester units</td>
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<td>Area 3B and 6A 3 semester units</td>
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<td>Area 3B and 6A 3 semester units</td>
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<td>Statistics</td>
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</table>

**AP Placement Exam Notes:**

**CSU GE:** The Advanced Placement examinations may be incorporated into the certification of CSU General Education-Breadth requirements by any certifying institution. All CSU campuses will accept the minimum units shown and apply them toward fulfillment of the designated General Education-Breadth area if the examination is included as part of a full or subject-area certification. Please note that individual CSU campuses may choose to grant more units than those specified toward completion of General Education-Breadth requirements.

**IGETC:** AP exams must be used in area indicated regardless of where the certifying CCC’s discipline is located.

+ If a student passes more than one AP exam in calculus or computer science, only one examination may be applied to the baccalaureate.

++ 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. For tests taken prior to fall of 2009 or later, those credits may only apply to B1+B3.

+++ If a student passes more than one AP exam in physics, only six units of credit may be applied to the baccalaureate, and only four units of credit may be applied to a certification in GE Breadth.
Citrus College Credit for International Baccalaureate Exams

The student must be currently enrolled to receive credit for International Baccalaureate Tests.

The District will grant three to four (3-4) units of area or elective credit for an examination score of five, six or seven (5, 6 or 7), in the subjects of the International Baccalaureate (IB) Higher Level exams. Subject credit rather than elective credit may be granted upon recommendation of the department.

Students must turn in the official International Baccalaureate exam results to the Admissions Office and fill out a petition form to receive credit.

<table>
<thead>
<tr>
<th>EXAM</th>
<th>A.A. Degree</th>
<th>CSU GE</th>
<th>CSU - UNITS EARNED TOWARD TRANSFER</th>
<th>IGETC</th>
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<tr>
<td>IB BIOLOGY HL</td>
<td>IB BIOLOGY</td>
<td>AREA B2</td>
<td>6 semester units</td>
<td>AREA 5B (without lab)</td>
<td>5.3 semester units</td>
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<td>AREA B. NATURAL SCIENCES</td>
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<td>IB CHEMISTRY HL</td>
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<td>AREA B1</td>
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<td>AREA B. NATURAL SCIENCES</td>
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<tr>
<td>IB ECONOMICS HL</td>
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<td>AREA 4B</td>
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<tr>
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<td>AREA D. HISTORY POLITICAL SCIENCE</td>
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<td>IB GEOGRAPHY HL</td>
<td>IB GEOGRAPHY</td>
<td>AREA D5</td>
<td>6 semester units</td>
<td>AREA 4E</td>
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<td>AREA D. HISTORY/POLITICAL SCIENCE</td>
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<td>IB HISTORY (ANY REGION) HL</td>
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<td>AREA C2 OR D6</td>
<td>6 semester units</td>
<td>AREA 3B OR 4F</td>
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<tr>
<td>IB LANGUAGE A AND LITERATURE HL</td>
<td>IB LANGUAGE A1 (ENGLISH)</td>
<td>AREA C2</td>
<td>6 semester units</td>
<td>AREA 3B +6A</td>
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<td>AREA C. HUMANITIES</td>
<td>3 semester units</td>
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<tr>
<td>IB LANGUAGE A AND LITERATURE HL</td>
<td>IB LANGUAGE A1 (ANY OTHER LANGUAGE)</td>
<td>AREA C2</td>
<td>6 semester units</td>
<td>AREA 3B +6A</td>
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<td>AREA C. HUMANITIES</td>
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<td>AREA C. HUMANITIES</td>
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<td>*IB LANGUAGE A2 (ANY OTHER LANGUAGE) HL</td>
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<td>AREA C2</td>
<td>6 semester units*</td>
<td>AREA 3B</td>
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<td>AREA C. HUMANITIES</td>
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<td>*IB LANGUAGE B (ANY LANGUAGE) HL</td>
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<td>AREA C. HUMANITIES</td>
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<tr>
<td>IB MATHEMATICS HL</td>
<td>IB MATHEMATICS</td>
<td>AREA B4*</td>
<td>6 semester units*</td>
<td>AREA 2A</td>
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<td>IB PHYSICS HL</td>
<td>IB PHYSICS</td>
<td>AREA B1</td>
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<td>AREA 5A (without lab)</td>
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<td>AREA B. NATURAL SCIENCES</td>
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<td>AREA 4I</td>
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<td>AREA D. SOCIAL/BEHAVIORAL SCIENCES</td>
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<td>IB THEATRE HL</td>
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<td>AREA C ARTS</td>
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IB Exam Notes:
* a minimum score of 4 is needed for CSU credit

**CSU GE:** The IB examinations may be incorporated into the certification of CSU General Education-Breadth requirements by any certifying institution. All CSU campuses will accept the minimum units shown and apply them toward fulfillment of the designated General Education-Breadth area if the examination is included as part of a full or subject-area certification. Please note that individual CSU campuses may choose to grant more units than those specified toward completion of General Education-Breadth requirements.

**IGETC:** IB exams must be used in area indicated regardless of where the certifying CCCs discipline is located. Students who have earned credit from an IB exam should not take a comparable college course because transfer credit will not be granted for both.

UC credit earned for transfer and for individual campuses can be found at: [http://universityofcalifornia.edu/educators/counselors](http://universityofcalifornia.edu/educators/counselors)
## CLEP Examinations

The student must be currently enrolled to receive credit through the College Level Examination Program (CLEP). The District will grant up to six (6) units of area, subject, or elective credit for a score of 50 or above in a General Examination of the College Level Examination Program (CLEP) of the College Entrance Examination Board.

Students must turn in the official CLEP exam results to the Admissions Office and fill out a petition form to receive credit.

### CLEP EXAM

<table>
<thead>
<tr>
<th>CLEP EXAM</th>
<th>Citrus passing score</th>
<th>Citrus comparable course or elective</th>
<th>Units</th>
<th>CSU passing score</th>
<th>Minimum semester credits earned</th>
<th>Semester credits towards GE breadth</th>
<th>American institutions and/or GE breadth area</th>
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</table>

1. **CLEP exams** **CANNOT** be used to meet requirements for the IGETC.
2. UC **DOES NOT** accept CLEP exams.
3. If a student passes more than one CLEP test in the same language other than English (e.g., two exams in French), then only one examination may be applied to the baccalaureate. For each test in a language other than English, a passing score of 50 is considered “Level I” and earns nine quarter units of baccalaureate credit; the higher score listed for each test is considered “Level II” and earns additional units of credit and placement in Area C2 of GE Breadth, as noted.
4. *English Composition with essay* may fulfill the ENGL COMP Requirement here at Citrus but it **CANNOT** be used to fulfill the ENGL Composition.
How Does Citrus College Recognize High Achievement?
Honors Programs and Recognition

**Academic Honors**
Every fall and spring semester a press release is sent to the local media, on behalf of each member of the board of trustees, listing each student from their area who earned a place on the President’s List and the Dean’s List. Academic honors criteria are presented in the Evaluating Academic Progress section.

**Achievement Awards**
Every year, Citrus College hosts its Academic Achievement Awards, an awards ceremony in honor of the college’s top students. Awards are given to the Man of the Year and the Woman of the Year; the Male Athlete of the Year and the Female Athlete of the Year.

At the Achievement Awards, the college’s highest academic honor, the Keys of Knowledge, are awarded to the 10 students who have achieved Citrus’ highest overall academic performance. Students who have demonstrated high academic performance in a given department are also honored with the Distinguished Student Awards.

**Honors at Graduation**
Citrus College graduates are recognized at Commencement for their permanent membership in the Alpha Gamma Sigma, Phi Theta Kappa and Psi Beta honor societies. In addition, students who earn a cumulative GPA of 3.30 or more in all college work, at Citrus College and at other colleges and universities, are recognized for Highest Honors, 3.80-4.00 GPA; High Honors, 3.60-3.79 GPA; and Honors, 3.30-3.59 GPA.

Due to the scheduled dates of Commencement and spring semester final exams, Honors at Graduation GPAs do not reflect spring semester grades.

**Honors Program**
The Honors Program is for highly motivated students and provides a unique learning environment emphasizing scholastic excellence. The objective of the program is to better prepare students for transfer to a four-year institution and to complete a bachelor’s degree.

To enter the Honors Program, a student must have a minimum grade point average of 3.25 and be eligible for English 101.

Honors coursework enhances a student’s ability to read, write, and think critically about current topics.

Other program benefits include:
- A variety of courses that meet UC, CSU and private university transfer requirements
- Enhanced transfer opportunities
- Interaction with highly motivated students
- Smaller class sizes
- Honors classes and program
- Participation noted on Citrus College transcripts
- Scholarship opportunities

**AGS membership** is renewed each semester and is based on GPA and number of units completed. After completing three semesters of membership, students may be eligible for lifetime or permanent membership. For additional information, visit the AGS website www.ags-honor.org.

**Phi Theta Kappa**
Phi Theta Kappa, an international honor society of two-year colleges, is the world’s largest and most prestigious honor society serving two-year colleges. Eligibility is based on GPA, number of units completed and membership fees.

The organization offers many opportunities for scholarships, intellectual enrichment and personal development through programs based on Phi Theta Kappa’s four hallmarks of scholarship, leadership, service and fellowship.

In recent years, Phi Theta Kappa members from Citrus College have achieved prominence in Phi Theta Kappa at the state level, through their rankings on the organization’s academic teams. For more information, visit www.ptk.org.

**Psi Beta**
Psi Beta® is the psychology national honor society for community and junior colleges. Its mission is professional development of psychology students through promotion and recognition of excellence in scholarship, leadership, research, and community service.
Who Records My Grades and Credits?

Policies Regarding Academic Records

What Are Academic Records?
Academic records consist of student files maintained by Admissions and Records, Counseling and Assessment, Financial Aid, and individual departments.

Academic Renewal
Past performance does not always accurately reflect a student’s current ability. Therefore, Citrus College has a policy of academic renewal without course repetition so students may achieve their educational goals in spite of past poor performance.

Criteria for Academic Renewal
Students may request academic renewal as a means to achieve the educational goals of graduation from Citrus College, completion of certificate programs, and/or transfer to a four-year college or university. It is not applicable to students who wish to raise their grade point averages beyond these stated goals.

1. Only units taken at Citrus College may be disregarded, not units from other colleges.
2. A maximum of 24 units may be alleviated from not more than three terms of work.
3. A minimum of 18 months must have elapsed since the end of the term of substandard work to be disregarded.
4. In the most recent work completed after the work to be disregarded, a minimum of 15 units must be completed at any accredited college or university, with a grade point average of a 3.0, or 30 units with at least a 2.5 GPA, or 45 units with at least a 2.0 GPA.
5. A student may only be granted academic renewal once.
6. Only substandard grades of D, F, FW, NC, or NP can be disregarded.
7. A student that received a degree or certificate at Citrus College may not academically renew courses used to meet the graduation requirements for that degree/certificate.

In cases where the criteria set forth herein have been verified, the academic renewal petition will be granted and the dean of admissions and records or his/her designee will make the proper annotation on the student’s permanent record.

Academic renewal by Citrus College does not guarantee that other institutions will honor the elimination of units from consideration in the grade point average. It is a student’s responsibility to confirm with a transfer institution whether academic renewal will be accepted. When academic renewal is approved, the student’s permanent academic record shall be annotated in such a manner that all work remains legible, ensuring a true and complete academic history.

If the student has been granted academic renewal by another accredited college, such action shall be honored under this policy. However, the number of semester units allowed to be disregarded will be reduced by the number previously disregarded.

Transcripts
See Admission, Registration and Matriculation sections.

Challenge of Educational Records
See Administrative Policy 5045.
Where Do I Find Help and How Do I Become Involved?
Student Services and Student Life

Admissions and Records
The Admissions and Records Office, located on the first floor of the Student Services Building, is the gateway to Citrus College. The office processes applications, registrations and grades.

The Admissions and Records Office is the official custodian of student records, which include but are not limited to demographic information, academic history, and data mandated by the California Community Colleges Chancellor’s Office and other government agencies.

Athletics: The Fighting Owls
Citrus College is a member of the Western State Conference and Southern California Football Alliance. Intercollegiate sports include basketball, football, golf, cross country, water polo, soccer, baseball, softball, swimming and volleyball. In accordance with Equity in Athletics Disclosure Act of 1994, for information concerning Citrus College intercollegiate athletic programs contact the Citrus College athletic director.

Competitive Athletics Eligibility
All athletes prior to their first season of competition at Citrus College must have official high school and college transcripts on file in the Admissions and Records Office to receive final eligibility certification. The California Commission on Athletics governs Citrus College’s athletic eligibility rules. To be eligible, a student athlete must:

1. Enroll in a minimum of 12 units during participation in a sport. Nine of these units must be in academic courses. Class attendance is required.

2. Second-season student athletes must pass 24 semester units, 18 of which must be in academic courses, before participating in the same sport. A 2.0 GPA (cumulative) is required.

Student athletes who transfer and have participated in intercollegiate athletics at another college are required to:

- Complete 24 semester units, 18 of which must be in academic courses;
- or
- Complete 36-quarter units, 27 of which must be in academic classes, before being eligible for a second season of participation. A 2.0 GPA (cumulative) is required.

3. Student athletes transferring from an out-of-state community college must be eligible to participate in the upcoming season if they were to remain at that institution.

Student athletes who plan to transfer to a four-year college must follow specific transfer eligibility requirements. An athletics counselor is available to advise student athletes to ensure they follow the athletic academic plan, established by the Counseling and Advisement Center.

Bookstore Services
Bookstore services, through the Owl Bookshop, Art & Coffee Bar, website, vending, and cosmetology retail services, provides a safe, friendly, accessible environment where all students, alumni, staff and community members may optimize their academic, career, and cultural development. Bookstore services provides access to course materials necessary for learning excellence, properly training student workers to be successful entrepreneurs and/or employees, creating an inviting place to shop, eat, and safely spend time between classes, providing premier customer service, and focused individual assistance to customers with disabilities.

Bookstore services consists of the following:

Art & Coffee Bar: Located on the first floor in the Student Services building, offering Starbucks drinks, pastries, sandwiches, salads, snacks, art supplies, and student created art.

Cosmetology & Esthetician Spa: Located on the first floors of the PC and TC buildings at the east end of campus, students can make appointments in room TC118 for their hair and skin needs. Hair and skin care products are also available for sale at a discount to spa customers.

Owl Bookshop: Located at the center of campus adjacent to the Campus Center offering a one stop shop for your daily needs. Visit the Owl Bookshop in person or online when it’s time to order new, used or rental course materials. You can
also have your books shipped to you or pick them up in person. In addition to course materials, the Owl Bookshop also carries supplies, sundries, gifts, electronics, apparel, snacks, drinks and imprinted merchandise.

**Vending:** Machines are located throughout campus and inside the Owl Café located below the Handy Campus Center.

Visit [www.owlbookshop.com](http://www.owlbookshop.com) for more information on these services.

Bookstore services accept MasterCard, VISA, Discover, American Express, cash, ATM or personal check with a valid California Driver’s License. During the beginning of spring and fall semesters, PELL student accounts are available at the bookstore to purchase course materials. A valid photo student ID is required to access student PELL accounts. Books and supplies may also be purchased online at [www.owlbookshop.com](http://www.owlbookshop.com).

**Refund Policy**
Books purchased for any current semester session may be returned for refund as indicated on the refund policy received at the time of purchase. The books must be in the same condition as when originally purchased. Do not mar, damage or write in your books. A cash register receipt, proof of registration and student ID are required for all refunds.

Students are encouraged to sell their books back during finals through “BUY BACK.” A used book company purchases books needed by the bookstore at a percentage of the new book price.

The used book company also buys other books with a current market value at a wholesale price. Proof of registration and student ID are required. The bookstore cannot guarantee the buy back of any book.

**CalWORKs**
California Work Opportunity and Responsibility for Kids (CalWORKs) is the state’s welfare-to-work program for families with children that are receiving Temporary Aid for Needy Families (TANF). The Citrus College CalWORKs Program works in collaboration with the Department of Public Social Services to assist students with education, training, and job skills. Citrus College provides short-term training programs to help CalWORKs students enhance their skills and/or develop new skills in order to find employment and become self-sufficient. CalWORKs students receive assistance with completion of county paperwork, child care, work-study job placement, and referrals to community resources.

Additionally, CalWORKs students have the opportunity to establish education and career paths, which will help them as they transition off of cash aid.

**Campus Safety**
Campus Safety ensures the safety of students, faculty, staff and visitors while they are on campus property or involved in college-sponsored programs and activities, as well as protects district property and facilities.

Campus Safety officers patrol the campus 24 hours a day, 7 days a week, and they have the authority to enforce the Standards of Conduct.

According to the Education Code, Campus Safety is the liaison with local law enforcement agencies in all criminal action cases. Therefore, in the event of an emergency, individuals should promptly report the incident to Campus Safety. It is Campus Safety’s responsibility to contact police agencies.

Campus Safety has the authority to enforce the sections of the Penal Code, California Vehicle Code, Education Code, Board Policies and Administrative Procedures, and the Standards of Student Conduct. Any action which is a violation of the Penal Code of the State of California must be reported to the local police.

Campus Safety also provides safety escorts for any member of the college community. These escorts are for safety, not convenience. Please refer to Campus Safety Policies and notices on page 280.

**Cashier**
See Cashier/Bursar’s Offices on page 61.

**Center for Teacher Excellence (CFTE)**
Citrus College’s Center for Teacher Excellence helps students who are interested in teaching build an educational plan that best suits their interests and goals. Students receive academic advising and counseling; preparation for the CBEST and CSET examinations; financial aid and scholarship assistance; and help with university transfer applications. Students also receive networking opportunities through the student chapter of the California Teachers Association and other professional organizations.

Students who utilize the services offered by the Center for Teacher Excellence develop core compe-
tencies in communication; as well as creative, critical, and analytical thinking (problem solving and decision making).

Counseling and Advisement Center
The Counseling and Advisement Center is located on the second floor of the Student Services Building. Professional counselors and educational advisors are available by appointment to assist students in their educational, vocational and personal matters. Consistent use of counseling and advisement is necessary due to the frequent changes in requirements and recommendations for colleges and universities, as well as, new developments in career opportunities.

Students are encouraged to meet with a counselor after completing 15 semester units of degree applicable credit course work or prior to the end of the third semester to develop an education plan. This plan will list the courses needed to complete your educational goal. In addition, courses in college planning, career exploration, decision-making and communication are taught by counselors to assist students.

Career counselors help students explore occupations and career fields using comprehensive printed and computerized resources. Through workshops as well as individual counseling, the staff can help you decide on a career field and prepare you for the job market. Career assessments are available to help you identify which occupations and/or work environments are a good fit for you. Through various activities you will gather information about yourself in order to make an informed career decision.

Disabled Students Programs & Services (DSP&S)
DSP&S provides support to students who have a verifiable disability that limits one or more major life activities. Students with a physical disability, visual impairment or auditory impairment, psychological disability, permanent or temporary health concerns, or a learning disability can receive assistance from specialized personnel. Services and instructional support may include:
- Adapted testing
- Adapted physical education
- Adaptive computer technology
- Campus referrals
- Citrus College web accessibility
- Closed-captioned videotapes
- Community liaisons
- Electronic textbooks
- In-class and laboratory assistance
- Instructor liaisons
- Note taker service
- Registration assistance
- Reader service
- Sign language interpreting
- Specialized counseling
- Specialized equipment

New students should contact the DSP&S Office before enrolling to allow sufficient time to arrange for requested services.

EOP&S/CARE
Extended Opportunity Programs & Services/Cooperative Agencies Resources for Education (EOP&S/CARE) helps community college students from economically and educationally disadvantaged backgrounds achieve their academic and career goals. The support services consist of information and assistance in admissions, enrollment, financial aid, assessment, and selecting a major and/or a career.

EOP&S also provides:
- Support services such as priority registration, textbook purchase assistance, career test fee waivers, tutoring and self-development workshops
- Outreach to high schools, community-based organizations and agencies
- Peer advising designed to retain students using mentors and positive role models
- Counselors and educational advisors who provide academic and personal counseling
- Referrals to other services available on campus and in the community
- A six-week Summer Bridge program where potential students from local high schools attend class, learn college success strategies and take field trips.

The CARE Program, established by the California Legislature (AB 3103), assists EOP&S students who are single parents on public assistance with at least one child under the age of 14.

Through CARE, students receive supplemental educational support services, such as counseling, advisement and peer networking activities specifically designed for low-income, single parents.

In addition, CARE provides grants and allowances for child care, transportation, textbooks, and supplies to ensure strong retention, persistence and transfer rates among their students as they work to achieve their chosen objectives, which include obtaining vocational certificates of achievement or licenses, earning an associate degree, and/or transferring to a four-year college or university.
Financial Aid
The Financial Aid Office is responsible for initiating, monitoring, and disbursing federal and state funds. These programs are provided to students in the form of grants, scholarships, employment, and loans. In addition to the general financial aid program, the BOG Fee Waiver is available. Detailed information about financial aid processes and deadlines can be obtained at the financial aid office or online at http://www.citruscollege.edu (click on the financial aid quick link).

The basic premise for all need-based financial aid programs is that the primary responsibility for financing a student’s post-secondary education rests with the student and his/her family. Student financial aid is intended to assist with those educational costs that remain after the students’ resources and expected contribution from the family have been taken into account. To be considered for financial aid, a student must complete a Free Application for Federal Student Aid (FAFSA) each new academic year, beginning January 1st and preferably by March 2nd to be eligible for maximum aid. The FAFSA Title IV federal school code for Citrus College is: 001166.

In order to apply for federal financial aid, all of the following requirements must be satisfied:

   a. Eligible non-citizens include: U.S. permanent residents with an I-551 Card; Conditional Permanent residents with an I-551 Card; Applicants with an Arrival-Departure Record (I-94) with one of the following designations: “Refugee,” “Asylum Granted,” “Parole,” or “Cuban-Haitian Entrant.”
   b. A student who is in the U.S. on an F1 or F2 student visa, a J1 or J2 exchange visitor visa, or a G series visa, is not eligible for Federal Student Aid.

2. Students must have a valid Social Security number.

3. Males between the age of 18-25 years of age must register with Selective Service. Call 1-847-688-6888 or go online to: www.sss.gov for registration guidelines or to verify registration.

4. Students must have received a high school diploma, GED, or high school equivalency. First time college students who do not have a high school diploma or General Education Diploma (GED), or who have not passed the California Proficiency Exam (CPE), or who do not have a home school certificate are NOT eligible for federal or state financial aid.

5. Financial aid applicants must be undergraduate students enrolled in a program that leads to a certificate, associate degree, or transfer program. Students who hold a bachelor’s degree or higher are not eligible for Federal Pell Grants or Cal Grants.

6. Students must not owe a refund to any institution for grants received; nor be in loan default in a Stafford or Perkins Loan.

7. Maintain Satisfactory Academic Progress (SAP) as defined by the Financial Aid Office.

8. Demonstrate financial need, which is verified by the Financial Aid Office and based on the college’s cost of attendance (COA) minus Expected Family Contribution (EFC), as defined by the federal methodology.

Once the student has successfully completed the FAFSA, they should follow up with the Financial Aid Office to check their application status. Students can also review their application status through their WingSpan account. The student’s Citrus College e-mail account must be activated. This is the main source of communication between the Financial Aid Office and student.

The Financial Aid Office may request some or all of the following:
- Student and/or parents’ IRS tax return transcript with W-2’s
- Proof of untaxed income
- Social Security Card(s)
- Other information that pertains to financial income
- Official academic transcripts from all schools previously attended

When determining financial aid eligibility, several factors are taken into consideration, such as:
- Taxed and non-taxed family income
- Investment(s)
- Taxes paid
- Household size
- Number of family members in College

Students who complete the FAFSA may qualify for one or more of the following programs:
Federal Programs
The following federal grant programs do not have to be repaid. However, loans must be repaid.

- **The Federal Pell Grant** is for students who have been determined eligible based on the federal methodology. This program assists students who have not earned a bachelor's degree.
- **The Federal Supplement Educational Opportunity Grant (FSEOG)** is for eligible students with exceptionally high financial need. Students must be Pell Grant eligible to receive FSEOG.
- **Federal Work Study (FWS)** may be awarded to students who declared on their FAFSA that they are interested in FWS. It provides students with an opportunity to earn funds through on or off campus jobs.
- **Loans** are awarded to students based on eligibility and must be repaid. Direct Loans (subsidized and unsubsidized) are awarded to students who apply and have successfully completed their financial aid application (FAFSA).

State Programs
**AB 540** — The California Dream Act, comprising state laws AB 130 and AB 131, have extended eligibility for certain types of institutional and state aid to students, including undocumented students, who qualify for nonresident tuition exemption under AB 540. Eligible students are able to receive the BOG Fee Waiver, the Cal Grant, Chafee Grant, and EOP&S. To learn more about the California Dream Act, please visit the California Student Aid Commission’s website.

<table>
<thead>
<tr>
<th>Board of Governor's Fee Waiver</th>
<th>Cal Grants</th>
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<tbody>
<tr>
<td>The Board of Governor's Fee Waiver (BOGFW) is a fee waiver designed for students who are California residents, as well as AB 540 students, and demonstrate financial need.</td>
<td>Cal Grants are designed to assist students from low and middle income families to help pay for the students' educational expenses. These grants are sponsored by the California Student Aid Commission (CSAC). Eligibility is based on a student’s grade point average (GPA), student/parent(s) income, and the student’s course of study. To be eligible, students must complete a FAFSA and meet the Cal Grant deadline, which is March 2 of every year. AB 540 students are eligible to apply for Cal Grants. Funding availability depends on state budget.</td>
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**Loss of Board of Governor’s Fee Waiver**
SB 1456 requires that any student with two consecutive terms of not meeting academic and/or progress standards lose their BOG Fee Waiver. Not meeting academic standards means having less than a 2.0 GPA. Not meeting progress standards means completing less than 50% of your coursework. Foster youth 24 years and younger are not subject to loss of fee waiver under these regulations.

Loss of eligibility will become effective at the first registration opportunity after the fall 2016 term. If a student registers for a term before he/she has two terms of probation, loss will occur for the following term. If a student registers for a term after determination of two terms of probation, loss occurs for the upcoming term. Students can regain eligibility by meeting one of the following criteria: meeting academic and progress standards, sitting out for two consecutive primary terms (summer and winter intersessions do not count), successfully appealing the loss. An appeal process is available for students who have extenuating circumstances.

Students should seek appropriate student and academic support services when needed. For a list of student support services please visit the Student Services page on the Citrus College web site.

**Chafee Grant**
Eligible students who have financial need may qualify for up to $5,000 a year. These funds may be used at career, technical, university, or community colleges. To qualify, the student must be a current or former foster youth and not have reached their 22nd birthday as of July 1 of the award year. The court must have established the student’s dependency when the student was between the ages of 16 and 18 (KinGap youth, adopted youth, guardian placement, and voluntary placement may not be eligible for the Chafee Grant, unless court dependence was established, at any time, between the ages of 16 and 18). The California Department of Social Services verifies foster youth eligibility status.

Students that receive a Chafee Grant do not have to pay this money back. The student may also be able to use the grant to pay for child care, transportation and rent while the student is in school.

**Scholarships**
Through its Foundation, Citrus College also offers a variety of scholarships that are available for
new, continuing, and transferring students. Citrus College students are also encouraged to apply for scholarships available from outside sources. For more information on scholarship opportunities, please visit the Financial Aid Office or go online to:

www.citruscollege.edu/stdntsrv/finaid
www.collegeboard.com
www.collegenet.com
www.college-scholarships.com
www.salliemae.com
www.supercollege.com
www.usafunds.org

Other Sources
Students are invited and encouraged to contact the Financial Aid Office or visit the web page for additional information.

Citrus College
Financial Aid Office Location:
Student Services Building, First Floor (626) 914-8592
financialaid@citruscollege.edu
www.citruscollege.edu/stdntsrv/finaid.

U.S. Department of Education
1-800-4FED-AID
(1-800-433-3243)
Monday through Friday,
8:00 a.m. and 8:00 p.m. EST.
1-800-730-8913
(Hearing Impaired)

Eligible Programs
All students must declare an eligible educational goal to establish financial aid eligibility. New students must declare their educational goal on the admissions application. Continuing students who change educational goals must update their educational goal with the Admissions and Records Office. The Financial Aid Office reviews educational goals to ensure that students are enrolled in an eligible program.

The courses students enroll in must be required and applicable towards an eligible degree, certificate or transfer objective. All degrees are eligible for financial aid, however only the following educational goals and certificates are eligible for financial aid:

- Receive an associate degree and transfer to a four-year college
- Transfer to a four-year institution without receiving an associate degree
- Receive a two-year associate degree without transferring
- Receive a vocational certificate without transferring

Eligible Financial Aid Certificate Programs
Accounting
Administrative Office Occupations
Architectural Design (40 units)
Audio Recording Technology
Automotive Service, Diagnosis and Repair - Master Technician
Automotive Service, Diagnosis and Repair - Toyota/Lexus/Scion Tech
Automotive Service, Diagnosis and Repair - Undercar/Drive Train Specialist
Automotive Service, Diagnosis and Repair - Under Hood Specialist
Ceramics - One Year
Ceramics - Two Year
Child Development Teacher
Child Development Master Teacher
Child Development Master Teacher –Early Intervention Specialist
Commercial Dance
Computer Aided Design (CAD) - Architecture and Drafting
Computer Generated Imagery
Cosmetology *
Criminal Justice
Dental Assisting *
Digital and Web Design
Emerging Theatre Technologies
Esthetician *
Information Technology

Medium and Heavy Diesel Truck Service, Diagnosis and Repair Technician
Photography
Public Works: Inspection, Supervision and Management
Public Works: Maintenance Services
Vocational Nursing *
Water Technology
Wild Land Resources and Forestry

*These denote Clock Hour programs.

Clock Hour Programs
Federal financial aid (i.e. Pell Grants, Federal Loans) disbursements vary according to federal regulations. Almost all programs at Citrus College are eligible for federal financial aid and disburse in a traditional manner. However, Clock Hour programs have certain reporting and disbursement requirements in order to be eligible for Title IV federal financial aid. The US Department of Education (ED) designated the following programs as Clock Hour programs: Cosmetology, Dental Assisting, Esthetician, and Vocational Nursing. Students in Clock Hour programs must successfully complete half the number of clock hours and weeks of instructional time in a payment period to progress to the next payment period. Students in these programs will receive an initial disbursement of financial aid when they begin their program and will not receive a second disbursement until they have completed half the instructional hours and weeks of instruction.

Satisfactory Academic Progress for Clock Hour programs are also calculated based on the number of clock hours attended and number of weeks attended.
Minimum Units
The number of units required to achieve full-time status, which results in the maximum amount a student may receive for an award, is at least 12. However, students may also receive funds for three quarter time (9-11.5 units), half-time (6-8 units), and less than half-time (0.5-5.5 units) enrollment. Financial aid eligibility is based on the number of units a student takes. A student must be enrolled in six units to receive a Cal Grant, a loan, or work study, and he/she must be enrolled in at least one half of a unit to receive a Pell grant. This enrollment classification applies to fall, winter, spring, and summer and the designation may differ from other departments on campus. Clock Hour program payments are calculated based on the number of completed clock hours and weeks of attendance.

Change in Information
Any change in a student’s legal name, address, social security number or telephone number must be immediately reported to the Admissions and Records Office and the Financial Aid Office.

Enrollment, Change in Enrollment Status, Late Start Classes, Withdrawal
Initial financial aid award is based on full-time status and offered on the condition that students be enrolled and attending courses at Citrus College. In order to receive a full-time disbursement, the student must enroll in and maintain a minimum of twelve units throughout the term. This applies to fall, winter, spring and summer. Students will receive a disbursement for three-quarter time status if they enroll in and maintain 9 to 11.5 units. Half-time status is 6 to 8.5 units. Less than half-time disbursements are based on 0.5 to 5.5 units.

Late-Start/Short-Term classes will not be counted towards the student’s enrollment status until the class actually starts. As a result, the student’s disbursement will be reduced or delayed until the actual class begins. Approved consortium units will not be paid until after courses have been completed and official transcripts have been received.

A change in enrollment status during a semester may change or cancel the student’s award. Should the student withdraw, their remaining financial aid award will be cancelled.

Over-Awards
Regardless of the reason, any funds received in excess of the amount that the student is entitled to must be repaid by the student.

Financial Holds
Any student who has an outstanding financial balance at the college is subject to have his/her financial aid held and/or delayed until payment has been made in full.

Satisfactory Academic Progress (SAP)
Congress and the Federal Department of Education award funds to students who are making satisfactory progress toward their educational goal. SAP is defined by the Federal Department of Education as 150 percent of the normal length of time for a student to achieve an educational objective. Therefore, the Financial Aid Office is required to monitor academic progress and deny aid to any student who fails to meet satisfactory academic progress standards:
1. Maintain a minimum of a 2.0 Cumulative Grade Point Average (GPA).
2. Maintain academic progress (successfully complete at least 75% of units enrolled).

3. Total units (Maximum Time Period) – Students may attempt up to 72 units towards the completion of a degree, or if enrolled in a certificate program, a maximum of 150% of the program length toward the completion of a certificate program.

Units completed at other colleges or taken without the assistance of financial aid may be calculated into the total number of units attempted.

Up to 30 earned units of remedial coursework at Citrus College may be deducted from the total units accumulated. ESL classes are counted towards the total number of units attempted. Students who enroll in excessive ESL or remedial courses that don’t apply to their degree or certificate may exhaust their financial aid eligibility prior to completing their program.

A student may be placed on financial aid dismissal for not meeting SAP. Students with extenuating circumstances may be able to file a Financial Aid Appeal to reinstate their financial aid. A student will be placed on financial aid probation if the Financial Aid Appeal is approved. If the student fails to meet SAP while on probation, financial aid will be denied. Students should read the financial aid SAP policy and Appeal Eligibility Criteria to determine if they are eligible to appeal.

Basis for Denial of Financial Aid
Financial Aid may be denied for the following reasons:
• Default on Federal Student Loans
• Owing a refund or repayment on Pell or FSEOG
• Failure to meet the SAP standards adopted by Citrus College for financial aid recipients
• Completion of an AA or AS degree, attempting 72 or more units, or attempting 150% of the units required for a certificate program
• Falsification of information that affects the determination of eligibility of aid
• Lack of sufficient verification/documentation of income and resources

Financial Aid Return to Title IV (R2T4) Policy
Title IV funds are awarded to a student under the assumption that the student will attend school for the entire period for which the assistance is awarded. When a student withdraws, the student may no longer be eligible for the full amount of Title IV funds that he or she was originally scheduled to receive. If the amount disbursed to the student is greater than the amount the student earned, called Title IV Overpayment, the unearned funds must be repaid within 45 days from the date of notification. Any unpaid balance is reported to the Department of Education for collection.

In addition to calculating what percent of aid the student earned, the Department of Education requires the college to calculate any institutional charges (fees) that the college must repay the Department of Education for a student's account preventing registration and access to their Citrus College transcript. See the financial aid webpage for full details.

Citrus College collects liabilities through a program called Chancellor’s Office Tax Offset Program (COTOP). COTOP authorizes the California State Franchise Tax Board (FTB) to offset the amount owed to the District from the debtor’s personal state income tax, lottery winnings or other state refunds. If the student owes money to the District and payment is not received, the District will submit that student debt to COTOP for collection, including Institutional Debt. In addition to the amount owed to the District, students will also be assessed the 25% collection fee charged by COTOP. Students should refer to the Bursar’s or Cashier’s Office webpage for additional payment information about COTOP.

Pell Recalculation
The Financial Aid Office will re-calculate Pell grant eligibility each semester on the published re-calculation dates. Students who failed to maintain enrollment in the number of units they were paid for on the dates noted will be required to repay the difference in their Pell grant eligibility. The amount of financial aid eligibility will be based on the units students are enrolled in on this date (see important dates and deadlines on the financial aid web page for freeze dates).

Students who add classes after this date will not receive aid for the late added classes. Students who dropped classes on or prior to this date and received funding in excess of their current enrollment status will be required to repay the over award based on their enrollment on this date. No adjustments to financial aid awards will be made after this date. This repayment is in addition to any Return to Title IV Calculations.

Veterans Benefits
Veterans benefits information is available at the Veterans Success Center, located in the IC building.

Citrus College is an approved, degree granting institution for veterans and their eligible dependents. The United States Code (Title 38, Chapters 30, 31, 35, 1606 and 1607) provides academic and career training opportunities for veterans. Citrus College invites and urges eligible students to take advantage of the support services available to veterans.

Citrus College cooperates with the Veterans Administration and with the California State Bureau of Vocational Rehabilitation to help veterans and their eligible dependents achieve their educational and vocational goals. Our program is recognized by the Bureau for Private Postsecondary and Vocational Education in the Department of Consumer Affairs for Veterans Education Benefits.

How to Receive Veterans Benefits
1. Submit an application for admission to Citrus College; www.citruscollege.edu/ar.
2. Forward official transcripts of all previous college or university work completed and military service credits to Citrus College. Transcripts must be evaluated within the first two terms of enrollment, in order for a student to continue receiving Montgomery GI Bill (MGIB) benefits.
3. Meet with a Citrus College veterans counselor, who helps students develop a Student Educational Plan (SEP). It is important that the counseling staff knows a student’s veterans status in order to assign him/her to
Additional Information Regarding VA Benefits
Applications for VA benefits will not be processed until all college transcripts have been received and the previously listed procedures have been completed. Students receiving GI benefits for the first time must allow eight to 10 weeks from the processing date to receipt of the first check. Current military students or former veterans may be eligible for priority registration. An active duty military ID card or DD 214 are required for verification.

The Veterans Administration holds both the college and the recipient liable for overpayments. Overpayments commonly occur due to:
- Failure to process a Program Change Form when dropping a course. The Veterans Administration considers the recipient ineligible to receive benefits after the last date of attendance.
- Failure to report to the veterans clerk any change in a student’s number of units or change of address
- Repetition of a course in which a satisfactory grade C or better was received
- If a student receives an overpayment, the Veterans Administration will automatically stop further payment until the entire amount due has been repaid.

Veterans will receive a letter requesting repayment if the following categories apply:
- Enrollment in fewer than 6 units and receiving benefits under Chapters 30, 31, 35, 1606
- Under Chapter 33, students can take all Distance Ed classes at a reduced amount according to units and percentage. Under Chapter 33, students taking under 6 units will get paid for tuition/fees and book stipend only, not entitled to BAH.
- Officially withdrawn from the college

Hardship
In the case of hardship, a veteran may apply to the Veterans Administration to arrange for repayment of the debt with as little inconvenience as possible.

Academic Eligibility
If a VA student’s cumulative grade point average remains below 2.0 for two consecutive terms, the student will not be certified for VA educational benefits until his/her academic status is restored to good standing.

Food Services
The Stuffed Owl Café, located downstairs from the Campus Center, offers a wide range of food selections. Mondays through Thursdays, breakfast and items from the grill are available, as well as fresh pizza, fresh salads, deli sandwiches, a taco, burrito and tostada bar, and entrees of the day. Vending service is available at various locations on campus throughout the day and evening.

Health Center
The Student Health Center, located on the first floor of the Student Services Building, supports the educational process and overall mission of Citrus College by providing quality health services and promoting positive health outcomes for the Citrus College community.

College nurses, part-time campus physicians, part-time nurse practitioners and other health care workers staff the Student Health Center.

Medical Services for Students
The Student Health Center offers the following services to currently enrolled students. There is no charge for the college nurse, nurse practitioner, physician or mental health counseling. Some tests, medications and procedures require a minimal fee.
- Treatment of acute illness/ambulatory care
- Immunizations (Tetanus, Hepatitis B series, Measles/Mumps/Rubella, Influenza)
- Tuberculin skin tests
- Over-the-counter (non-prescription medications)
- Condoms and personal hygiene items
- Blood pressure and weight checks
- Commonly used prescription medications at low cost prescribed by campus health care providers (physician and/or nurse practitioner)
- Family planning services/women’s health
- Plan B - emergency contraception
- Sexually transmitted disease testing
- Off-campus referrals as needed
- Short-term personal counseling
• Promotion of Positive Health Outcomes for Students
• Health education materials (audio-visual, brochures, reference files)
• AIDS information and referral resources
• Substance abuse information and referral resources
• Eating disorders information and referral resources
• 12-step program referrals
• Accident and medical insurance information
• Students are invited to visit the Student Health Center or call (626) 914-8671 for information and/or appointments. Hours sometimes vary for college health nurses, nurse practitioners, physicians and other health care personnel.
• PLEASE NOTE: For safety reasons, children are NOT allowed in the Student Health Center. Thank you for your cooperation and we apologize for the inconvenience.

International Student Center
The International Student Center directs and coordinates international student activities in compliance with federal regulations. Citrus College’s international students represent 45 countries, further enhancing the diversity of the campus. The interaction and networking among all students has proven to be an invaluable experience for all students of Citrus College.

The International Student Center also coordinates orientation and access to support programs, ensuring students’ completion of their objectives.

Refer to the International Student Admissions section for more information about registration and enrollment: www.citruscollege.edu/stdntsrv/international

Student Employment Services
Student Employment Services is a free job referral service for current Citrus College students and alumni. Services include:
• An on-line job board listing a variety of jobs--full and part time, permanent and temporary, on-and off-campus
• Resume preparation and interviewing skills guidance
• The processing of all hiring, termination, and payroll data of on-campus student workers

Student Government and Student Affairs
ASCC
The Associated Students of Citrus College (ASCC) is recognized by the Board of Trustees as the official student government organization, and is open to all student body members meeting minimum requirements. An executive board composed of 19 members conducts ASCC business; 10 are elected members and nine are appointed members.

ASCC responsibilities include administering a budget of approximately $600,000, as well as planning and implementing many social, cultural and co-curricular programs. Most important of all, ASCC board members represent the interests of the student body on all campus wide committees.

Student Activities and Organizations
All students are encouraged to become involved in student clubs and organizations. Club activities include business meetings, lectures, discussions, field trips, publications, exhibits and special events of interest to the general student body and to the community. To coordinate the club activities and provide more student representation in school government, the Inter-Club Council, represented by student members, holds weekly meetings.

Citrus College clubs include:
• Alpha Gamma Sigma Honor Society
• Anime Connection
• Campus Activities Board
• Citrus Business Association
• Chess Club
• Chinese Culture Club
• Chinese Grace Fellowship
• Citrus Student Nursing Association
• College Church
• Computer Science
• Cosmetology Club
• Dental Assisting Club
• Epsilon Phi Delta (German Honor Society) Club
• Filmmakers Club
• Foster 2 Famous
• Gamers Guild
• Gender-Sexuality Alliance
• Helping Find Opportunities in the Pursuit of Education (H.O.P.E.)
• International Friendship Club
• Language Cafe
• Latino Unidos Student Association
• Les Hiboux (French Club)
• Math Owls
• Native American Student Association
• Phi Theta Kappa (PTK) Honor Society
• Photography Club
• Psi Beta (Psychology honor society)
• Psychology Club
• Researchers in Paranormal
• Swing Dance Club
• Veterans Network
• Vocational Nursing

Transfer Center
The Transfer Center serves students' transfer needs.

The center has helpful resources for students who plan to trans-
fer to a university. We provide a variety of transfer support services and activities to help you make a seamless transition to a university such as:

- Library of university catalogs
- Individual transfer advising by appointment
- University representative appointments
- University application assistance
- University field trips
- Transfer awareness workshops
- College Fairs
- Transfer Admission Guaranteed to several UC schools (TAG)
- Articulation agreements with senior institutions

**Veterans Success Center**

Success Center extends academic and student support services to the veteran. It provides a one-stop location where students can receive assistance with GI benefits processing, obtain counseling and referrals for various transitional needs, meet with an academic counselor, and access services such as tutoring, peer support, meeting veteran mentors, and receiving information about the Veterans Network club. Students who are currently in the military or were honorably discharged are eligible to receive priority registration with required verification, using either their active duty military ID card or DD 214.

*Citrus College student veterans at Commencement.*

*The Veterans Success Center provides a place where student veterans can study and connect.*
What Additional Resources are Available at Citrus College?
Campus Facilities and Learning Resources

Adapted PE/ Fitness Center
The Adapted Physical Education Center is the home of the Fitness Center. It is located between the main gymnasium and tennis courts. This facility offers exercise and fitness programs for students, Citrus College employees and community members.

The center features cardiovascular training machines and weight machines also modified to accommodate persons with disabilities. These machines include treadmills, flexacisers, stationary and recumbent bicycles, arm ergometers and stand aids. Individual progress is monitored by checking blood pressure (if needed), strength, endurance and flexibility.

The Adapted Physical Education Program is also conducted at the Adapted PE facility. Students with physical limitations can participate in this exercise and health-related physical fitness program, which includes adapted physical education courses and adapted aquatics. For more information visit www.citruscollege.edu /fitcntr.

Aquatic Center
The Aquatic Center is the home of the water polo and swim teams, and is sometimes selected as the site for regional championship events.

The Aquatic Center also houses a therapy pool that is utilized by the athletic training staff to help treat injured athletes. Sometimes it is chosen as a location for television and movie shoots.

Art & Coffee Bar
The Owl Bookshop, in partnership with Starbucks, has opened the Art & Coffee Bar in the Student Services Building. Citrus College students, faculty, and staff now have a place to meet, converse or study while enjoying a variety of drinks and great food. Student employees, trained by Starbucks, gain retail and business experience.

The new art store offers fine art supplies and other educational materials for students. In the lobby entrance, current student and alumni art is displayed and available for sale. Proceeds from the sale of artwork are divided among the students, the art department, and the Bookshop.

Art Gallery
The Art Gallery is located in the Hayden Memorial Library and features year-round exhibits by students, faculty and staff.

Athletics Facilities
Citrus College’s athletics facilities are among the best in Southern California. The 10,000-seat football, soccer and track stadium includes an all-weather track, a field turf playing surface and a new turf practice field. Citrus College athletes have the advantage of premium practice facilities: one weight training room, a double-circuit (64-station) fitness center two equipment rooms and two athletic training rooms.

The campus’ athletic facilities also feature a two-story Field House, baseball field, softball complex, and the Citrus College Gymnasium and offices.

The Field House provides facilities to support football, baseball, soccer and cross country teams. The two-story building includes locker rooms, offices, equipment storage, and restrooms. The softball complex has two softball fields both with artificial turf in the outfield, dirt infields and state-of-the-art scoreboards.

Campus Center
The Ross L. Handy Campus Center is maintained by the Associated Students of Citrus College and provides a meeting place for students, faculty, staff and the community. A Campus Center host is on duty in the lounge area ensuring that the facility is used in accordance with ASCC and district policies. For their safety, children visiting the Campus Center must be accompanied by an adult.

Cashier/Bursar Offices
The Cashier’s office is located in the Student Services Building, room SS 124, and the Bursar’s office is located in the Administration Building, room AD 203. Students are able to pay registration fees at https://wingspan.citruscollege.edu or by cash, check, money order or travelers check at the Cashier’s Office. Associated Student (ASCC) stickers can be picked up at this location.

The Bursar and Accounts Receivable Offices disburse payroll checks, process refunds and replacement warrants for financial aid and fee refunds. Refunds are processed automatically 4-6 weeks after the first week of class and mailed to the address listed in WingSpan. Replacement warrants for financial aid require approval from the Financial
Aid Department. Once approved, an affidavit must be completed at the Bursar’s Office.

Holds are placed on student accounts by the Bursar’s Office for outstanding obligations such as chemistry breakage fees, library fines, credit card charge backs and other financial or non-financial responsibilities. Outstanding debts, library fines for lost books and chemistry fees can also be paid online using Wingspan.

The Bursar’s Office submits outstanding student obligations to the State of California for collection. Outstanding obligations are subject to a 33% fee.

Parking permits are purchased and issued at https://citruscollegethepermitstore.com. Students must pay registration fees in full prior to receiving access to The Permit Store.

**College Success Program**
The College Success Program provides educational opportunities for students to improve their reading, writing, math and communication skills. The program, which is designed with student success in mind, is comprised of the following components:

- College Success Centers offer tutoring, access to learning software, grammar clinics, and free workshops on study skills and test taking.

- The College Success Counselors are available to assist students with class selection, educational plans, and access to collegewide services.

- Learning Communities comprised of two or more “linked” classes, create a community of instructors and students, providing more support for student success.

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**Golf Driving Range**
The Range At Citrus features two hitting surfaces, natural grass and mats, eight target greens, a sand trap, 33 stations, a chipping area and a 2,500 sq. ft. putting green.

This golf practice center, which is open to the public, offers lessons from a professional and from Citrus College instructors. The well-lighted golf driving range is open seven days a week. A well-stocked pro shop and snack bar provide added convenience. Please contact The Range for hours of operation, (626) 914-8688.

The Range At Citrus is located at the southwest portion of the campus near the baseball field, with entrance from Citrus Avenue. Designated parking for golfers is available in front of The Range.

**Robert D. Haugh Performing Arts Center**
Since 1971, the Robert D. Haugh Performing Arts Center has provided cultural and educational entertainment to the community.

The 1,400-seat theatre offers a variety of programs from all of the performing arts disciplines.

**Haugh Presents**
The “Haugh Presents” series includes a wide range of entertainment such as comedienne Sandra Bernhard, and humorist Jeanne Robertson, headliners Rich Little and Loretta Swit, Orquestra Sinfónica del Estado de México performing classical works with guitarist Alfonso Moreno, world-famous dance companies– SEOP from South Korea and Russian National Ballet Theatre, jazz artist Kevin Eubanks, classical/pop virtuosos Matt Haimovitz and Christopher O’Riley, Ricky Nelson Remembered by his twin sons Matthew and Gunnar, and folk favorites The Kingston Trio. In addition to the Grand Slam package, Choose Your Own packages are available at a discount.

**Kidtastic! Family Event Series**
A Saturday afternoon series of events for young audiences – and their parents – stimulates new ideas, provides different views of the world, and allows them to just plain have fun! Events include a shorter kid-friendly version of the main stage show, the theatrical light spectacular “LUMA,” Disney Channel’s “Choo Choo Soul with Genevieve!,” and for literature lovers, “The Adventures of Flat Stanley.” Wear 3D glasses to enjoy the antics of “Mark Nizer 4D Comedy Juggler.” Write your own story and submit it to our website for a chance to see it performed live on stage by “The Story Pirates.”

**Fine & Performing Arts Department Productions**
The vocal music department, including the renowned Citrus Singers, present two major productions each year, including the popular holiday extravaganza “Christmas Is...”. The spring show features different genres of music such as Broadway, the Great American Songbook, or Movie Music Classics.

Sierra Wind Symphony and the Concert Choir perform popular film music such as “Far-Out! Music from Sci-Fi and Fantasy Films” in their annual – “A Night of Music From Film.”

The Citrus Music Theatre Workshop presents fully staged Broadway musicals with spectacular scenery and costumes such as “Shrek,” “Godspell,” “Little Shop of Horrors,” and “Dogfight.” Citrus Women’s Ensemble presents an annual
musical revue in the spring as does Pop Rock Ensemble.

The Theatre Department presents multiple productions each year in the Citrus Little Theatre including student-produced and directed productions. The Dance Department presents two annual concerts in the Haugh Performing Arts Center including in December “Holidance!,” a special holiday dance concert celebrating the cultural diversity of the season.

Learning Center
The Learning Center provides instructional support services across the curriculum including Tutorial Services, the College Success Center, Writing Center, ESL Lab, and Testing Center. The Learning Center is open to all Citrus College students with a Citrus ID card. Check the website for schedules and activities.

College Success Center
The College Success Center is open to all Citrus students with a Citrus ID card seeking academic support and to ENGL 098 students who need to complete their required lab hours. The Center offers scheduled workshops on a variety of topics to support student success. Check the website for hours of operation and scheduled workshops.

ESL Lab
The ESL Lab is an interactive language learning center that promotes cross-cultural education to Citrus students who need to complete their required lab hours. The lab offers a variety of activities to help improve English skills including grammar DLAs, vocabulary building games, reading exercises, peer-facilitated study groups, and conversation groups. Check website for hours of operation.

Testing Center
The Testing Center provides administration and proctoring for exams in the following locations:

SS 103: New Student Assessment testing for English, ESL, and Math placement. This test is administered through a computerized “smart” placement test to determine students’ initial placement into English, ESL, and math courses. Most assessments are done in block sessions followed by a counseling orientation session. Check website for the current schedule of New Student Assessment/Orientation sessions.

ED 215: Adapted testing for Disabled Student Programs and Services (DSP&S) students who require accommodations due to disabilities or other circumstances may arrange to take their exams through Adapted Testing. Typical accommodations provided by Adapted Testing include extended time, large print, distraction-reduced exam space and adapted computer equipment. Check the website for hours of operation.

IS 107: Distance Education exams, referrals for the chemistry diagnostic, continuing students taking the Assessment test, and referrals to retake any portion of the Assessment test. Check the website for hours of operation.

Writing Center
The Writing Center provides assistance to all Citrus students requesting English and ESL tutoring, as well as students seeking help with essays, research papers, lab reports, or any other writing assignment. The Writing Center services also include assistance with reading comprehension and strategies for note taking. Consultations by trained staff provide drop-in, one-on-one writing Consultations, and scheduled appointments by special arrangement. The Writing Center also offers lectures and specialty workshops covering a variety of topics. A Citrus ID card is required. Check website for hours of operation.

Tutorial Services
Tutorial Services, a College Reading & Learning Association (CRLA) Level II Certification center, provides tutoring by appointment and drop-in sessions in most subjects by trained staff free of charge. Online tutoring is available through CCC Confer. See Tutorial website for subjects offered. Students interested in working with a tutor must sign up for the service and a Citrus ID card is required. Check website for hours of operation.

Library Services
The Floyd S. Hayden Memorial Library/Learning Resource Center, is a 33,000 square-foot facility containing approximately 45,000 print, 7,000 multimedia, 25,000 electronic book titles, and electronic article databases. The library catalog can be accessed online through the library’s home page.

Library services feature individual seating for 534, six multi-media rooms, 12 group study rooms, 106 public computers, five library catalog computers (including one that is wheelchair accessible), an orientation classroom with 40 computers and 10 extra chairs, and a copy room with five copiers, one color copier, and black and white or color printing. The library also offers wireless internet access. Two scanners are available to students and three computers feature an adapted keyboard. The library also provides the JAWS and Kurzweil 3000 software programs for visually impaired students.
Library reference interviews are designed to assist students with research for class assignments through one-on-one instruction in person, by telephone, e-mail, text message or online chat. Instruction includes how to access print books and periodicals, electronic books, and audiovisual items using the online library catalog. With library staff assistance, students learn about library services and policies and how to locate books using the Dewey Decimal System. Staff may also demonstrate how to use effective search strategies to locate articles in various electronic databases and how to cite those sources appropriately.

A librarian is available to collaborate with instructors to customize information literacy instruction for specific courses and assignments. Most instruction is done in the library orientation classroom (LI 118) with groups of students and the instructor. A librarian is also available for individual orientations to meet one-on-one with students with special needs.

**STEM (Science, Technology, Engineering, Mathematics)**
The STEM Center offers support for students interested in and/or taking courses in science, technology, engineering and mathematics. Services and activities for students include:

**Math Tutoring:** Drop-in tutoring is available to all math students in the Math Success Center (MA 130). Current math textbooks are available for use. Study groups are welcome.

**Supplemental Instruction:** Attend out-of-class review sessions to ensure your success in targeted math and science courses (MA 129). Learn course content and effective study strategies.

**SIGMA Facilitated Study Groups:** Students can work with peer led study groups for calculus, physics and chemistry. Groups are open to all students. Complete homework and get questions answered at SIGMA facilitated study groups.

**Summer Research Experience:** STEM students learn and earn during 8-week summer research experiences at local universities and research institutions. Applications accepted in Feb/Mar each year.

**STEM Counseling:** Specialized counseling for STEM majors and students interested in STEM is available in both MA 121A and the Student Services building.

**STEM ACADEMY:** Students interested in STEM are encouraged to join the STEM Academy. Applications are online at [http://www.citruscollege.edu/stem/academy/](http://www.citruscollege.edu/stem/academy/). STEM Academy students receive regular newsletters, advance notice of career workshops and internships, and valuable information about college processes.

**Study Abroad**
Citrus College students have the opportunity to study abroad through Citrus College and the Southern California Foothills Consortium for Study Abroad.

Semester-length programs are offered in London, England (fall) and Salamanca, Spain (spring). Students may study in Italy (summer) or Costa Rica (winter).

Courses are taught by Citrus College faculty and/or faculty from the Consortium member colleges. Most courses are CSU/UC transferable and meet general education requirements.

**Technical Services and Computer Labs**
The Dan Angel Data Processing Center houses the college's main computer laboratory (IS 107), several classrooms and the TeCS administrative offices. The computer laboratory has a variety of computers, printers, and software available to Citrus College students who need computing resources to complete their class projects and assignments. The computers, along with other campus computing resources, are also used to support the curriculum. This program has introductory and general interest course offerings and specialized courses for those who want to pursue a career in information processing.

Citrus College provides each student with an e-mail account. All students are to use their Citrus College e-mail account, as this is the e-mail address where all college information will be sent and where students can access the waitlist.

Visit [www.citruscollege.edu/tecs/studentemail](http://www.citruscollege.edu/tecs/studentemail) for more information.
What Programs of Study Are Offered at Citrus College?

Citrus College offers associate degrees in 46 fields of study, as well as certificates of achievement, noncredit certificates, and skill awards in 55 academic and career/technical areas.

These programs offer a variety of academic and career preparation programs that appeal to a variety of interests and provide students with the skills and knowledge needed to transfer to a four-year college, to establish a career—or to achieve both opportunities. In addition to preparing students to enter the professions or acquire jobs that require a bachelor’s degree or higher, the college offers courses of study that prepare students for jobs in areas such as automotive technology, health care, law enforcement and information technology.

This table offers an overview of Citrus College’s degrees and certificates. A more in-depth presentation of Citrus College’s associate degrees, certificates of achievement and skill awards are featured in the following sections, providing information regarding program requirements, student learning outcomes and employment opportunities.

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<th>Program of Study</th>
<th>A.A.</th>
<th>AA-T</th>
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<th>AS-T</th>
<th>Certificate of Achievement</th>
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*Pending Chancellor’s Office Approval
**Modifications pending Chancellor’s Office Approval
How Do I Earn a Degree at Citrus College?
Programs of Study Leading to an Associate Degree

Degree Requirements
The Associate in Arts or the Associate in Science degree will be granted upon the completion of 60 degree-applicable units or more with an overall GPA of a 2.0 or higher; a minimum of 18 units with grades of C or better in each course required for the major; and the completion of a specified general education pattern including Citrus College local area requirement of Kinesiology/Dance.

Programs of Study Leading to an Associate Degree for Transfer
- Administration of Justice
- Anthropology*
- Business Administration
- Communication Studies
- Early Childhood Education
- Elementary Teacher Education
- English
- History
- Journalism
- Kinesiology
- Mathematics
- Physics
- Political Science
- Psychology
- Sociology
- Spanish
- Studio Arts*
- Theatre Arts

Programs of Study Leading to an Associate Degree
- Automotive Technology
- Biological Sciences
- Business**
- Child Development
- Correctional Science*
- Cosmetology**
- Criminal Justice**
- Dance
- Dental Assisting
- Digital and Web Design
- Drafting and Design Technology**
- Emergency Management and Homeland Security
- English Literature
- Fine Arts**
- Kinesiology (formerly Physical Education)
- Language Arts
- Liberal Arts: Emphasis in Humanities**

Medium and Heavy Diesel Truck Technology
Music
Photography
Physical Science*
Pre-Allied Health*
Pre-Engineering
Public Works
Recording Technology
Registered Nursing
Social and Behavioral Sciences**
Theatre Arts
Theatre Arts - Acting Emphasis
Vocational Nursing
Water Technology

*Pending Chancellor's Office approval
**Modifications pending Chancellor's Office approval

The Associate Degrees for Transfer
The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to the California State University (CSU) system for any community college student who completes an “associate degree for transfer,” or “ADT,” a newly established variation of the associate degrees traditionally offered at a California community college.

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, but not 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 units after transfer to earn a bachelor’s degree (unless the major is a designated “high-unit” major). The AA-T or AS-T 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 in order to receive more information on university admission and transfer requirements.
Citrus College Core Competencies and Student Learning Outcomes

General education competencies serve as a common set of core curricular components identified and defined by faculty. Student learning outcomes are behaviors based on these competencies.

Any student transferring or completing a degree or certificate from Citrus College must demonstrate effectively assessed awareness, understanding, knowledge, skills, and abilities in the selected competencies. These learning outcomes address the general education philosophy of the college (BP 4100, Graduation Requirements).

1. Communication
   Students read, write, speak, and listen effectively at the college level.

2. Computation
   Students demonstrate college level proficiency in mathematics and data analysis.

3. Creative, Critical, and Analytical Thinking, Information Competency
   Students apply curiosity, creativity, and aesthetic awareness in decision making based on evaluation, analysis, and synthesis of college level material.

4. Community/Global Consciousness and Responsibility
   Students assume personal responsibility and demonstrate respect for others as a measure of cultural awareness, ethics, and integrity.

5. Technology
   Students understand the changing role of technology in learning and community.

6. Discipline/Subject Area Specific Content Material
   Students demonstrate college level proficiency in a pattern of general education courses.

Student learning outcomes are written in selected areas of competency at the course level (course outlines of record), program level (program review reports), and degree and certificate levels. Learning outcomes are mapped to show the relationships between and among the levels. General education learning outcomes are assessed through systematic analysis of course and program level assessment results.
Graduation Requirements for an Associate Degree

I. Associate in Arts (A.A.) and Associate in Science (A.S.) Degrees
The Associate in Arts or the Associate in Science degrees will be granted upon the completion of 60 degree-applicable units of work and fulfillment of the specific requirements listed below. These graduation requirements shall apply to first time students and former Citrus College students that lost catalog rights and are enrolling in Summer 2015 and thereafter.

1. Scholarship Requirement
A cumulative grade-point average of 2.0 or C must be earned in all lower division coursework attempted at Citrus College and at any regionally accredited post-secondary education institution. Please note: Only Citrus College credit courses numbered 100 or higher may apply toward the associate degree.

2. Residence Requirement
   a. Successful completion of a minimum of 12 units in residence at Citrus College.

3. Major Requirement
   A student must complete a minimum of 18 units and achieve a grade of C or better in each course attempted that is counted for the major.

4. General Education Requirements
   A student must complete one of the following options:
   a. Option I: 25 units as described in the General Education and Philosophy section
   b. Option II: 39 units as stipulated by the CSU general education certification requirements, outlined in the California State University section
   c. Option III: 34 units as stipulated by the completion of the IGETC pattern, outlined in the Intersegmental General Education Transfer Curriculum (IGETC) section.

There is no limit on the number of units that may count towards both general education and major requirements. A multicultural course is offered in at least one of the general education areas listed above.

5. Kinesiology Requirement
   a. Three units of kinesiology or dance activity or
   b. Completion of KIN 100, 170, 171, 171H or 173. No varsity sports courses may be used to fulfill a general education requirement.

6. Competency Requirements
   a. Writing: Completion of an English Composition General Education Requirement with a grade of C or better. Effective for all students admitted to a California community college for the fall 2009 term or any term thereafter, competence in written expression shall be demonstrated by obtaining a satisfactory grade in an English course at the level of the course typically known as Freshman Composition (ENGL 101) or another approved English course at the same level and with the same rigor. Satisfactory completion of an English course at the level of Freshman Composition shall satisfy both this competency requirement and the coursework requirement.
   b. Mathematics: Proficiency in mathematics may be satisfied by one of the following:
      • Completion of two years of high school algebra AND placement at the level of college algebra or higher on the Math Assessment Test or
      • Completion of any mathematics class listed in the mathematics section of the General Education Requirements with a grade of C or better
Effective for all students admitted to a community college for the fall 2009 term or any term thereafter:

Competence in mathematics shall be demonstrated by obtaining a satisfactory grade in a mathematics course at the level of the course typically known as intermediate algebra (MATH 142 or MATH 150). Intermediate algebra or another approved mathematics approved course at the same level, with the same rigor and with elementary algebra as a prerequisite, is acceptable.

or

The student can complete an assessment determined to be comparable to satisfactory completion of the specified math course.

c. **Reading:** Proficiency in reading may be satisfied by one of the following:
   - A satisfactory score on the reading component of the placement test at the ENGL 101 level
     - or
   - A grade of C or better in ENGL 099

II. **Associate in Arts for Transfer (AA-T) and Associate in Science for Transfer (AS-T)**

Requirements for Associate in Arts for Transfer and Associate in Science for Transfer degrees, also known as ADTs, differ from those previously listed as follows:

1. All 60 units must be CSU-transferable.
2. While the minimum grade point average (GPA) is at least 2.0 in all CSU-transferable course work for admission to the CSU system, some majors may require a higher GPA. Please consult with a counselor for more information.
3. All courses in the major must be completed with a grade of C or better.
4. Completion of one of the following General Education Requirements:
   a. Option II: 39 units as stipulated by the CSU general education certification requirements, outlined on pages 76-81;
      - or
   b. Option III: 34 units as stipulated by the completion of the IGETC pattern, outlined on pages 84-87.
      Note that Option I available for A.A. and A.S. degrees is not available for AA-T and AS-T degrees.
4. No additional competency and local area requirements.

**GENERAL EDUCATION PHILOSOPHY AND REQUIREMENTS**

The awarding of an associate degree is intended to represent more than an accumulation of units. It symbolizes a successful attempt on the part of Citrus College to lead students through patterns of learning experiences designed to develop certain capabilities and insights, such as the ability to:

- Think and communicate clearly and effectively through oral and written expression;
- Develop logical and convincing arguments, reaching conclusions that are based on comprehensive inquiry;
- Adapt and apply technology to facilitate the acquisition and effective use of information;
- Understand the modes of inquiry of the major disciplines;
- Enhance the appreciation of the arts;
- Develop a lifestyle that will enhance physical and mental health, and wellness;
- Appreciate the contributions of different cultures, eras, and traditions to the human experience;
- Achieve insights gained through experience in thinking about ethics, integrity, honesty, self-management and the welfare of others;
- Develop the capacity for self-understanding; and
- Become informed citizens and problem solvers.

In addition to these accomplishments, the student shall possess sufficient depth in some field of knowledge to contribute to lifetime interest.

Central to an associate degree, General Education is designed to introduce students to the variety of means through which people comprehend the modern world. It reflects the conviction of colleges that those who receive their degrees must possess in common certain basic principles, concepts and methodologies both unique to and shared by the various disciplines. College educated persons must be able to use this knowledge when evaluating and appreciating the physical environment, the culture, and the society in which they live. Most importantly, General Education should lead to better self-understanding.

A Citrus College student must complete 25 units of general education courses distributed according to the following pattern (a maximum of 6 units or two classes from the major requirement may be applied to the general education requirements).
Citrus College General Education Student Learning Outcomes

A. Language and Rationality
Students successfully completing courses in Area A are able to read, write, speak, and think creatively in personal, academic, workplace and community contexts.
   I. English Composition
   II. Communication and Analytical Thinking
   III. Mathematics

B. Natural Sciences
Students successfully completing courses in Area B are able to investigate and explain physical phenomena through application of empirical knowledge using mathematical and scientific processes and concepts.
   I. Biological Sciences
   II. Physical Sciences

C. Arts and Humanities
Students successfully completing courses in Area C are able to appreciate, critically understand, and express artistic, philosophical, and cultural sensibilities in historical and contemporary contexts.
   I. Arts
   II. Humanities

D. Social and Behavioral Sciences
Students successfully completing courses in Area D are able to identify, analyze, and communicate an understanding of self and society through systematic investigation of social behavior, institutions, and culture.
   I. History and Political Science
   II. Behavioral Sciences

E. Kinesiology and Dance
Students successfully completing courses in Area E are able to demonstrate personal responsibility, health literacy, and understanding of the importance of physical health and wellbeing.
   I. Kinesiology
   II. Dance

A. Language and Rationality: (6 or 9 units minimum)
Students satisfying the mathematics competency requirement through the mathematics assessment are required to complete two courses, six semester units or eight quarter units minimum, including one course from English composition and one course from either mathematics or Communication and Analytical Thinking.

Students who do not satisfy the mathematics competency through the mathematics assessment are required to complete three courses, nine semester units or twelve quarter units minimum, including one course from English Composition, one course from Communication and Analytical Thinking and one course from Mathematics (with a C grade or better).

Courses in language and rationality develop the principles and applications of language toward logical thought, clear and precise expression and critical evaluation of communication in whatever symbol system the student uses.

A1. Language and Rationality - English Composition
   Units
   ENGL 101 Reading and Composition 3
   ENGL 101H Reading and Composition - Honors 3
   ESL 101 Reading and Composition 3

A2. Language and Rationality - Communication & Analytical Thinking
   ENGL 103 Composition and Critical Thinking 3
   ENGL 103H Composition and Critical Thinking - Honors 3
   ENGL 104 Argumentative Writing and Critical Thinking 3
   PHIL 110 Philosophy/Logic 3
   PHIL 210 Symbolic Logic 3
   SPCH 100 Interpersonal Communication 3
   SPCH 101 Public Address 3
   SPCH 101H Public Address – Honors 3
   SPCH 103 Argumentation and Debate 3
   SPCH 106 Small Group Communication 3

A3. Mathematics
   MATH 142 Beginning and Intermediate Algebra II 5
   MATH 148 Intermediate Algebra I 2.5
   MATH 149 Intermediate Algebra II 2.5
   MATH 150 Intermediate Algebra 5
   MATH 151 Plane Trigonometry 4
   MATH 160 Survey of Mathematics 4
   MATH 162 Introductory Mathematical Analysis 4
   MATH 165 Introductory Statistics 4
   MATH 168 Mathematics for Elementary Teachers I 4
   MATH 169 Mathematics for Elementary Teachers II 4
MATH 170  College Algebra  4  
MATH 175  Pre-Calculus  4  
MATH 190  Calculus with Analytic Geometry I  4  
MATH 191  Calculus with Analytic Geometry II  4  
MATH 210  Calculus with Analytic Geometry III  4  
MATH 211  Differential Equations  5  
MATH 212  Introduction to Linear Algebra  4  
PSY 103  Statistics for the Social and Behavioral Sciences  3  

B. Natural Sciences: (4 units minimum)  
One or two courses, four semester units or five quarter units minimum, including one laboratory course or one course from biological science and one course from physical science (lab courses in bold). Courses in the natural sciences examine the physical universe, its life forms, and its natural phenomena. They assist in developing an appreciation and understanding of the scientific method and encourage an understanding of the relationships between science and other human activities.  

This category includes introductory or integrative courses in astronomy, biology, chemistry, general physical science, geology, physics, physical geography, physical anthropology, and other scientific disciplines.  

B1. Natural Sciences - Life Sciences  
ANTH 212  Introduction to Physical Anthropology  3  

B2. Natural Sciences - Physical Sciences  
ASTR 115  Planetary Astronomy  3  
ASTR 115H  Planetary Astronomy - Honors  3  
ASTR 116  Stellar Astronomy  4  
ASTR 117  Life In The Universe  3  

CHEM 104  College Chemistry  5  
CHEM 106  Physical Science for Educators  4  
CHEM 110  Beginning General Chemistry  5  
CHEM 111  General Chemistry  5  
CHEM 112  General Chemistry  5  
CHEM 201  Organic Chemistry I with Lab  4  
CHEM 202  Organic Chemistry II with Lab  4  
ESCI 106  Earth and Space Science for Educators  4  
ESCI 119  Physical Geology without laboratory  3  
ESCI 120  Physical Geology  4  
ESCI 121  Historical Geology  4  
ESCI 122  Earth History  3  
ESCI 124  Environmental Geology  3  
ESCI 130  Physical Oceanography  3  
GEOG 118  Physical Geography  3  
PHYS 106  Physical Science for Educators  4  
PHYS 110  Introduction to College Physics  4  
PHYS 111  Physics for Life Sciences I  4  
PHYS 112  Physics for Life Sciences II  4  
PHYS 201  Physics A: Mechanics  5  
PHYS 202  Physics B: Thermodynamics and Electromagnetism  5  
PHYS 203  Physics C: Waves, Optics & Modern Physics  5  

C. Arts and Humanities: (6 units minimum)  
Two courses, six semester units or eight quarter units minimum, including one course from arts and one course from humanities.  

Courses in the arts and humanities study the cultural activities and artistic expressions of human beings. They assist in developing 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 in developing aesthetic understanding and an ability to make value judgments. This category includes introductory or integrative courses in the arts, foreign languages, literature, philosophy and religion.  

C1. Arts  
ARCH 250  History of Architecture: Prehistory to Mannerism  3  
ART 100A  Survey of Western Art from Prehistory through the Middle Ages  3  

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ART 108 Survey of Western Art from Renaissance to Contemporary 3
ART 101 Art History and Appreciation—Ancient 3
ART 102 Art History and Appreciation—Medieval 3
ART 103 Art History and Appreciation—Renaissance to Rococo 3
ART 104 Art History and Appreciation—19th Century Art 3
ART 105 Art History and Appreciation—Early 20th Century Art 3
ART 199 Motion Picture Appreciation 3
ART 200 History of Motion Pictures 3
ART 201 History of Motion Pictures II 3
ART 206 History of Latin American Art 3
ART 207 History of Asian Art China, Korea, and Japan 3
COMM 136 Cultural History of American Films 3
DANC 102 History of Dance 3
MUSE 109 Music Appreciation 3
MUSE 110 History of Music I 3
MUSE 111 History of Music II 3
MUSE 112 History of Jazz 3
MUSE 113 History of Rock and Roll 3
MUSE 114 Introduction to American Music 3
THEA 101 Introduction to Theatre Arts 3
THEA 200 The Art of the Theatre 3
THEA 250 Theatre Appreciation 3

C2. Humanities
ARCH 251 History of Architecture: Baroque to the Present Day 3
CHIN 101 Chinese I 5
CHIN 102 Chinese II 5
COMM 200 Visual Communications 3
ENGL 102 Introduction to Literature 3
ENGL 213 Horror Literature 3
ENGL 213H Horror Literature—Honors 3
ENGL 216 American Latino Literature 3
ENGL 251 Introduction to English Literature I 3
ENGL 252 Introduction to English Literature II 3
ENGL 261 Introduction to U.S. American Literature I 3
ENGL 262 Introduction to U.S. American Literature II 3
ENGL 271 Introduction to World Literature: Ancient—Early Modern 3
ENGL 272 Introduction to World Literature: 1600’s through Twentieth Century 3
ENGL 291H Film as Literature—Honors 3
ENGL 293 Children’s Literature 3
ENGL 293H Children’s Literature—Honors 3
ENGL 294 Introduction to Shakespeare 3
ENGL 298 Literature of the Bible 3
FREN 101 French I 5
FREN 102 French II 5
GER 101 German I 5
GER 102 German II 5
GER 201 German III 5
GER 202 German IV 5
HUM 101 Humanities Prehistory through the Medieval Period 3
HUM 101H Humanities Prehistory through the Medieval Period—Honors 3
HUM 102 Humanities from the Renaissance through the 19th Century 3
HUM 110 Humanities in the 20th Century 3
HUM 123 Strategies for Peace—Saving Civilization 3
HUM 127 Spanish Civilization 3
JPN 101 Japanese I 5
JPN 102 Japanese II 5
PHIL 101 Great Religions of the World 3
PHIL 106 Introduction to Philosophy 3
PHIL 106H Introduction to Philosophy—Honors 3
PHIL 108 Philosophy/Ethics 3
PHIL 130 History of Ancient Philosophy 3
PHIL 131 History of Modern Philosophy 3
PHIL 140 Philosophy of Religion 3
SPAN 101 Spanish I 5
SPAN 102 Spanish II 5
SPAN 127 Spanish Civilization 3
SPAN 201 Spanish III 5
SPAN 202 Spanish IV 5
SPAN 210 Intermediate Spanish for Speakers of Spanish 5
SPAN 211 Reading and Composition for Speakers of Spanish II 5

D. Social and Behavioral Sciences (6 units minimum)
Two courses, six semester units or eight quarter units minimum, including one course from history and political science and one course from behavioral science.

Courses in the social and behavioral sciences focus on people as members of society. They assist in developing an awareness of the methods of inquiry used by the social and behavioral sciences. Critical thinking is stimulated about the ways people act and have acted in response to their societies, and appreciation is developed of how societies and social groups operate.
This category includes introductory or integrative survey courses in cultural anthropology, economics, history, political science, psychology, sociology, cultural geography, and related disciplines.

**D1. History and Political Science**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tr>
<td>AJ 101</td>
<td>Introduction to the Administration of Justice</td>
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</tr>
<tr>
<td>AJ 102</td>
<td>Concepts of Criminal Law</td>
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</tr>
<tr>
<td>COMM 100</td>
<td>Mass Media and Society</td>
<td>3</td>
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<tr>
<td>ECON 100</td>
<td>Survey of Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
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<tr>
<td>ECON 101H</td>
<td>Principles of Macroeconomics – Honors</td>
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<tr>
<td>ECON 102</td>
<td>Principles of Microeconomics</td>
<td>3</td>
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<tr>
<td>ETHN 101</td>
<td>Introduction to Ethnic Studies</td>
<td>3</td>
</tr>
<tr>
<td>ETHN 116</td>
<td>Introduction to Chicano Studies</td>
<td>3</td>
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<tr>
<td>GEOG 102</td>
<td>Cultural Geography</td>
<td>3</td>
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<tr>
<td>HIST 103</td>
<td>History of World Civilization up to 1500</td>
<td>3</td>
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<tr>
<td>HIST 103H</td>
<td>History of World Civilization up to 1500 – Honors</td>
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<td>HIST 104</td>
<td>History of World Civilization since 1500</td>
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<td>HIST 107</td>
<td>History of the United States before 1877</td>
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<tr>
<td>HIST 107H</td>
<td>History of the United States before 1877 – Honors</td>
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<td>HIST 108</td>
<td>History of the United States from 1877</td>
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<td>HIST 108H</td>
<td>History of the United States from 1877 – Honors</td>
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<td>HIST 109</td>
<td>The World in Conflict The 20th Century, a History</td>
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<td>HIST 111</td>
<td>History of the African-Americans to 1876</td>
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<td>HIST 112</td>
<td>History of the African-Americans since 1876</td>
<td>3</td>
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<td>HIST 130</td>
<td>Latin American Culture and Civilization</td>
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<td>HIST 131</td>
<td>History of Latin America to 1825</td>
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<td>HIST 132</td>
<td>History of Modern Latin America</td>
<td>3</td>
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<td>HIST 139</td>
<td>History of California</td>
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<td>HIST 140</td>
<td>History of the American West</td>
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<td>HIST 145</td>
<td>History of Mexico</td>
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<tr>
<td>HIST 155</td>
<td>History of the Vietnam War</td>
<td>3</td>
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<td>HIST 222</td>
<td>History of World War II</td>
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<tr>
<td>HUM 120</td>
<td>British Civilization</td>
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<td>HUM 127</td>
<td>Spanish Civilization</td>
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<tr>
<td>POLI 103</td>
<td>American Government and Politics</td>
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<td>American Government and Politics – Honors</td>
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<td>POLI 104</td>
<td>Introduction to Political Science</td>
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<td>POLI 108</td>
<td>Comparative Politics</td>
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<td>POLI 116</td>
<td>International Relations</td>
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<td>SPAN 127</td>
<td>Spanish Civilization</td>
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<td>SPAN 130</td>
<td>Latin American Culture and Civilization</td>
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**D2. Behavioral Science**

<table>
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<th>Course Code</th>
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<tr>
<td>AJ 210</td>
<td>Introduction to Cultural Anthropology</td>
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<td>ANTH 210H</td>
<td>Introduction to Cultural Anthropology – Honors</td>
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<tr>
<td>ANTH 216</td>
<td>Sex and Gender in a Cross Cultural Perspective</td>
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<tr>
<td>ANTH 216H</td>
<td>Sex and Gender in a Cross Cultural Perspective – Honors</td>
<td>3</td>
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<tr>
<td>ANTH 222</td>
<td>Introduction to Linguistic Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 224</td>
<td>Anthropology of Religion, Magic and Witchcraft</td>
<td>3</td>
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<tr>
<td>CHIL 110</td>
<td>Early Childhood Development</td>
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<td>CHIL 111</td>
<td>Child Development Youth Adolescence</td>
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<td>CHIL 120</td>
<td>Literacy for Children</td>
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<tr>
<td>CHIL 130</td>
<td>Infant Development and Group Care</td>
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<tr>
<td>CHIL 134</td>
<td>Parent-Child Interaction</td>
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<td>ETHN 101</td>
<td>Introduction to Ethnic Studies</td>
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<td>ETHN 116</td>
<td>Introduction to Chicano Studies</td>
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<tr>
<td>PSY 101</td>
<td>Introduction to Psychology</td>
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<td>PSY 101H</td>
<td>Introduction to Psychology – Honors</td>
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<td>PSY 110</td>
<td>Psychology of Religion I</td>
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<td>PSY 205</td>
<td>Developmental Psychology</td>
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<td>PSY 206</td>
<td>Child Growth and Development</td>
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<tr>
<td>PSY 212</td>
<td>Psychological Disorders</td>
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<tr>
<td>PSY 213</td>
<td>Survey of Drug and Alcohol Use and Abuse</td>
<td>3</td>
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<tr>
<td>PSY 220</td>
<td>Introduction to Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 225</td>
<td>Psychology of Human Sexuality</td>
<td>3</td>
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<tr>
<td>PSY 226</td>
<td>Psychology of Women</td>
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<tr>
<td>SOC 114</td>
<td>Marriage, Family, and Intimate Relations</td>
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<tr>
<td>SOC 118</td>
<td>Minorities in America</td>
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<tr>
<td>SOC 201</td>
<td>Introduction to Sociology</td>
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<tr>
<td>SOC 201H</td>
<td>Introduction to Sociology – Honors</td>
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<tr>
<td>SOC 202</td>
<td>Contemporary Social Problems</td>
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<td>SOC 216</td>
<td>Sex and Gender in a Cross Cultural Perspective</td>
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<tr>
<td>SOC 220</td>
<td>Introduction to Gender</td>
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</table>
## Kinesiology/Dance Requirements

No varsity sports courses may be used. All students must complete one of the following: Three semester units or four quarter units of any KIN activity or DANC activity courses as listed below.

### E1. Dance Activity

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>DANC 103</td>
<td>Introduction to Dance</td>
<td>1</td>
</tr>
<tr>
<td>DANC 130</td>
<td>Alignment and Correctives</td>
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<tr>
<td>DANC 158</td>
<td>Beginning Hip-Hop Dance Techniques</td>
<td>1</td>
</tr>
<tr>
<td>DANC 159</td>
<td>Beginning Tap</td>
<td>1</td>
</tr>
<tr>
<td>DANC 160</td>
<td>Jazz Dance Techniques</td>
<td>1</td>
</tr>
<tr>
<td>DANC 161</td>
<td>Beginning Modern Dance</td>
<td>1</td>
</tr>
<tr>
<td>DANC 162</td>
<td>Beginning Ballet</td>
<td>1</td>
</tr>
<tr>
<td>DANC 172</td>
<td>Composition in Group Forms</td>
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</tr>
<tr>
<td>DANC 258</td>
<td>Intermediate Hip-Hop Dance I</td>
<td>1</td>
</tr>
<tr>
<td>DANC 259</td>
<td>Intermediate Tap I</td>
<td>1</td>
</tr>
<tr>
<td>DANC 260</td>
<td>Intermediate Jazz Dance I</td>
<td>1</td>
</tr>
<tr>
<td>DANC 261</td>
<td>Intermediate Modern Dance I</td>
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</tr>
<tr>
<td>DANC 262</td>
<td>Intermediate Ballet I</td>
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<tr>
<td>DANC 263A</td>
<td>Dance for Musical Theatre-Beginning</td>
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<tr>
<td>DANC 264</td>
<td>Beginning Popular Dance Techniques</td>
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<tr>
<td>DANC 265A</td>
<td>Musical Staging: Rehearsal and Performance-Beginning</td>
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<tr>
<td>DANCE 265B</td>
<td>Musical Staging: Rehearsal and Performance-Intermediate</td>
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<tr>
<td>DANC 266</td>
<td>Pop Dance: Rehearsal and Performance- Beginning</td>
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<tr>
<td>DANC 269</td>
<td>Intermediate Tap II</td>
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<tr>
<td>DANC 270</td>
<td>Intermediate Jazz Dance II</td>
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<tr>
<td>DANC 271</td>
<td>Intermediate Modern Dance II</td>
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<tr>
<td>DANC 272</td>
<td>Intermediate Ballet II</td>
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<tr>
<td>DANC 279</td>
<td>Advanced Tap I</td>
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</tr>
<tr>
<td>DANC 281</td>
<td>Advanced Jazz Dance I</td>
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</tr>
<tr>
<td>DANC 292</td>
<td>Advanced Ballet I</td>
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<tr>
<td>DANC 296</td>
<td>Pop Dance: Rehearsal and Performance-Intermediate</td>
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### E2. Fitness/Health Science

<table>
<thead>
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<tbody>
<tr>
<td>KIN 100</td>
<td>Introduction to Kinesiology</td>
<td>3</td>
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<tr>
<td>KIN 170</td>
<td>Fitness for Life</td>
<td>3</td>
</tr>
<tr>
<td>KIN 171</td>
<td>Health Science</td>
<td>3</td>
</tr>
<tr>
<td>KIN 171H</td>
<td>Health Science – Honors</td>
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</tr>
<tr>
<td>KIN 173</td>
<td>Nutrition for Fitness</td>
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### E3. Kinesiology Activity

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<tr>
<td>KIN 101</td>
<td>Badminton</td>
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<tr>
<td>KIN 102</td>
<td>Bowling</td>
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<tr>
<td>KIN 103</td>
<td>Golf</td>
<td>1</td>
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<tr>
<td>KIN 104</td>
<td>Self-Defense and Personal Safety</td>
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<tr>
<td>KIN 106</td>
<td>Racquetball</td>
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<tr>
<td>KIN 108</td>
<td>Tennis</td>
<td>1</td>
</tr>
<tr>
<td>KIN 116</td>
<td>Yoga</td>
<td>1</td>
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<tr>
<td>KIN 130</td>
<td>Basketball</td>
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<tr>
<td>KIN 134</td>
<td>Softball</td>
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<tr>
<td>KIN 135</td>
<td>Volleyball</td>
<td>1</td>
</tr>
<tr>
<td>KIN 142</td>
<td>Swimming Beginning</td>
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<tr>
<td>KIN 143</td>
<td>Swimming Intermediate/Advanced</td>
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<tr>
<td>KIN 145</td>
<td>Strength Training, Balance and Agility</td>
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<tr>
<td>KIN 147</td>
<td>Swimming for Cardiovascular Improvement</td>
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</tr>
<tr>
<td>KIN 148</td>
<td>Adapted Aquatic Exercises</td>
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<tr>
<td>KIN 150</td>
<td>Adapted Physical Education</td>
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</tr>
<tr>
<td>KIN 151</td>
<td>Body Conditioning</td>
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<tr>
<td>KIN 152</td>
<td>Weight Training</td>
<td>1</td>
</tr>
<tr>
<td>KIN 153</td>
<td>Walking/Jogging</td>
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</tr>
<tr>
<td>KIN 159</td>
<td>Cardiovascular Training</td>
<td>1</td>
</tr>
</tbody>
</table>

### Application for Graduation

Graduating students must file a formal application for graduation with the Counseling and Advisement Department. Students may graduate at the end of the fall, winter, spring or summer semesters or sessions, although only one Commencement ceremony is held in the spring.

A summer graduate may request to participate in the preceding spring graduation if they file the application for graduation by that spring graduation deadline, meet all graduation requirements for summer graduation, and are enrolled in one or two classes for a total of nine or fewer units in summer.

A student who receives an associate degree may subsequently or simultaneously work on additional degrees.

All earned graduation requirements must come from a single catalog. A degree and/or certificate will not be released until the student has paid all of his or her outstanding debts to the college.

All transcripts of prior college work must be on file in the Admissions and Records Office before the application can be completed; refer to the current class schedule for application deadlines.
Multiple Degrees
Within the graduation requirements for the Associate Degree at Citrus College, it is possible for a student to complete the requirements for more than one course of study, providing that minimum requirements are met for each degree.

Online Degrees
Associate degrees can be earned online through Distance Education. Visit www.citruscollege.edu/de and consult a counselor for details.

Associate Degrees for Transfer
Citrus College offers Associate in Arts for Transfer (AA-T) and Associate in Science for Transfer (AS-T) degrees. The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to the California State University (CSU) system for any community college student who completes an AA-T or AS-T degree. Please refer to the Associate Degrees Section for more information.

Additional information can also be obtained by visiting http://calstate.edu/transfer.

Planning For Transfer
In general, courses listed as preparation for a major may also be applicable as general education requirements. Students should refer to the catalog of the institution offering their intended major to determine lower-division major requirements, as well as those that are recommended or required in preparation for the major.

In addition, the ASSIST website at www.assist.org, is the official California statewide database listing a selection of campus-approved articulation/transfer agreements, general education requirements, and information on UC and CSU transferable courses. Students are also advised to contact a Citrus College counselor for more information and for details regarding other transfer agreements and options not available on ASSIST.

California State University
The California State University (CSU) is the nation’s largest university system, with 23 campuses located across the state, from Humboldt in the north to San Diego in the south.

While part of the CSU system, each campus has a unique identity. CSU campuses have distinct student populations and programs. Many of their programs are offered in the late afternoon and evenings for students who work during the day.

The 23 CSU campuses are:
- Bakersfield
- Channel Islands
- Chico
- Dominguez Hills
- East Bay
- Fresno
- Fullerton
- Humboldt
- Los Angeles
- Long Beach
- Maritime Academy
- Monterey Bay
- Northridge
- Pomona
- Sacramento
- San Bernardino
- San Diego
- San Francisco
- San Jose
- San Luis Obispo
- San Marcos
- Sonoma
- Stanislaus

Undergraduate Transfers
The CSU generally considers an undergraduate transfer student as one who has enrolled in a community college or university other than a CSU following high school graduation. Students with fewer than 60 or more transferable semester units are considered lower division transfers. Students with 60 transferable semester units are considered upper division transfers. Please refer to csumentor.edu for campus specific practices.

Lower Division Transfers
Most campuses restrict the admission of lower-division transfer students who have earned fewer than 60 transferable semester units. Some campuses may accept applications from lower-division students who are applying to science, technology, engineering or mathematics majors. Lower-division transfers are eligible if they:
• Have a college grade point average of 2.0 or better for residents in all transferable college units attempted; 2.5 for non-residents;
• Are in good standing at the last college or university attended; i.e., eligible to re-enroll;
• Meet the eligibility index required of a first-time freshman;
• Meet the college-preparatory course requirements for a first-time freshman or have successfully completed necessary courses to make up any deficiencies in their high school records.

If lower-division transfer students cannot meet the high school eligibility standards, they should continue to complete courses at Citrus College or at another accredited college or university. Students should consider applying when they are eligible for consideration as upper-division transfers.

Upper-Division Transfers
Students who have completed a minimum of 60 transferable units with a 2.0 or higher grade point average for resident students (2.5 for non-residents) in all transferable course work are eligible to transfer. The 60 transferable units must include at least 30 units of General Education and one course each from A1, A2, A3, and B4 of the CSU General Education Pattern.

Students are strongly encouraged to complete as many lower division major preparatory requirements as possible prior to transfer. Grade point average requirements are higher for high-demand campuses or majors. A maximum of 70 transferable semester units in a community college may be applied to the baccalaureate degree. High demand majors may require supplemental preparation that must be met prior to transfer.

To make admission decisions, CSU admissions offices look at three factors:
• College grades
• Completed college coursework, especially in general education
• Whether the student is in good standing at the last college or university attended

Remember these are minimums, and in the case of high-demand majors and campuses, a 2.0 GPA may not be high enough to be admitted. High-demand majors may require a higher GPA in specific core/major prep courses, a higher cumulative GPA, or a combination of both.

The key to a successful transfer is early planning to ensure that students complete courses to meet the admission, general education, and lower-division major preparation requirements.

Obviously, the better a student prepares at Citrus College, the more likely admission requirements at their first-choice CSU campus will be met.

The California State University General Education - Breadth Requirements
Citrus College may certify that a student has satisfied the minimum general education requirements of 39 lower division transfer units in accordance with CSU Executive Order 1033. It is also possible to transfer to a California State University campus upon completion of the Intersegmental General Education Transfer Curriculum (IGETC). The number of units which may be certified are as follows:

AREA A - COMMUNICATION IN THE ENGLISH LANGUAGE AND CRITICAL THINKING
9 semester or 12 quarter units required with at least one course each from A1, A2 and A3.

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<thead>
<tr>
<th>A1 - Oral Communication</th>
<th>Units</th>
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<tr>
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<td>Interpersonal Communication 3</td>
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<td>SPCH 101</td>
<td>Public Address 3</td>
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<td>SPCH 101H</td>
<td>Public Address – Honors 3</td>
</tr>
<tr>
<td>SPCH 103</td>
<td>Argumentation and Debate 3</td>
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<td>SPCH 106</td>
<td>Small Group Communication 3</td>
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<thead>
<tr>
<th>A2 - Written Communication</th>
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<tr>
<td>ENGL 101 Reading and Composition 3</td>
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<td>ESL 101 Reading and Composition 3</td>
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<table>
<thead>
<tr>
<th>A3 - Critical Thinking</th>
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<tr>
<td>ENGL 103 Composition and Critical Thinking 3</td>
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<td>ENGL 103H Composition and Critical Thinking – Honors 3</td>
</tr>
<tr>
<td>ENGL 104 Argumentative Writing and Critical Thinking 3</td>
</tr>
<tr>
<td>PHIL 110 Philosophy/Logic 3</td>
</tr>
<tr>
<td>PHIL 210 Symbolic Logic 3</td>
</tr>
<tr>
<td>SPCH 103 Argumentation and Debate 3</td>
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### AREA B - PHYSICAL UNIVERSE AND ITS LIFE FORMS

9 semester or 12 quarter units required with at least one course each from physical science, life science (at least one to contain a laboratory component) and mathematics/quantitative reasoning.

#### B1 - Physical Science (courses listed in bold face type also meet the B3 Laboratory Activity requirement)

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<thead>
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<td>ASTR 116</td>
<td>Stellar Astronomy</td>
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<tr>
<td>3</td>
<td>ASTR 117</td>
<td>Life In The Universe</td>
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<tr>
<td>5</td>
<td>CHEM 103</td>
<td>College Chemistry</td>
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<td>CHEM 104</td>
<td>College Chemistry</td>
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<tr>
<td>4</td>
<td>CHEM 106</td>
<td>Physical Science for Educators</td>
</tr>
<tr>
<td>3</td>
<td>CHEM 110</td>
<td>Beginning General Chemistry</td>
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<tr>
<td>5</td>
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<td>General Chemistry</td>
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<td>5</td>
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<td>3</td>
<td>CHEM 210</td>
<td>Organic Chemistry A</td>
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<td>Organic Chemistry B</td>
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<tr>
<td>4</td>
<td>ESCI 106</td>
<td>Earth and Space Science for Educators</td>
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<tr>
<td>3</td>
<td>ESCI 119</td>
<td>Physical Geology without laboratory</td>
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<td>4</td>
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<td>ESCI 121</td>
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<td>3</td>
<td>ESCI 122</td>
<td>Earth History</td>
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<td>ESCI 130</td>
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<td>PHYS 106</td>
<td>Physical Science for Educators</td>
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<tr>
<td>4</td>
<td>PHYS 110</td>
<td>Introduction to College Physics</td>
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<td>4</td>
<td>PHYS 111</td>
<td>Physics for Life Sciences I</td>
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<tr>
<td>4</td>
<td>PHYS 112</td>
<td>Physics for Life Sciences II</td>
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<td>5</td>
<td>PHYS 201</td>
<td>Physics A: Mechanics</td>
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<td>PHYS 202</td>
<td>Physics B: Thermodynamics and Electromagnetism</td>
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<td>4</td>
<td>PHYS 203</td>
<td>Physics C: Waves, Optics &amp; Modern Physics</td>
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#### B2 - Life Science

<table>
<thead>
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<tr>
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<td>ANTH 212</td>
<td>Introduction to Physical Anthropology</td>
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<tr>
<td>3</td>
<td>BIOL 102</td>
<td>Human Genetics</td>
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<tr>
<td>3</td>
<td>BIOL 104</td>
<td>Biology: Contemporary Topics</td>
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<td>BIOL 105</td>
<td>General Biology</td>
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<td>4</td>
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<td>4</td>
<td>BIOL 109</td>
<td>Biology for Educators</td>
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<td>5</td>
<td>BIOL 124</td>
<td>Principles of Biology I</td>
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<td>5</td>
<td>BIOL 125</td>
<td>Principles of Biology II</td>
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<tr>
<td>3</td>
<td>BIOL 145</td>
<td>Environmental Science</td>
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#### B3 - Laboratory Activity

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<tr>
<td>1</td>
<td>ANTH 212L</td>
<td>Introduction to Physical Anthropology Lab</td>
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<td>4</td>
<td>ASTR 116</td>
<td>Stellar Astronomy</td>
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<tr>
<td>4</td>
<td>BIOL 105</td>
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<tr>
<td>4</td>
<td>BIOL 105H</td>
<td>General Biology – Honors</td>
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<td>BIOL 109</td>
<td>Biology for Educators</td>
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<td>5</td>
<td>BIOL 124</td>
<td>Principles of Biology I</td>
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<td>Principles of Biology II</td>
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<td>BIOL 200</td>
<td>Human Anatomy</td>
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<td>BIOL 201</td>
<td>Human Physiology</td>
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<td>BIOL 220</td>
<td>Microbiology</td>
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#### B4 - Mathematics/ Quantitative Thinking

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<td>4</td>
<td>MATH 160</td>
<td>Survey of Mathematics</td>
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<tr>
<td>4</td>
<td>MATH 162</td>
<td>Introductory Mathematical Analysis</td>
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<td>4</td>
<td>MATH 165</td>
<td>Introductory Statistics</td>
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<tr>
<td>4</td>
<td>MATH 168</td>
<td>Mathematics for Elementary Teachers I</td>
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<td>MATH 169</td>
<td>Mathematics for Elementary Teachers II</td>
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<td>MATH 170</td>
<td>College Algebra</td>
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<td>4</td>
<td>MATH 175</td>
<td>Pre-Calculus</td>
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<tr>
<td>4</td>
<td>MATH 190</td>
<td>Calculus with Analytic Geometry I</td>
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<td>Calculus with Analytic Geometry II</td>
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<td>Calculus with Analytic Geometry III</td>
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<td>Introduction to Linear Algebra</td>
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<td>3</td>
<td>PSY 103</td>
<td>Statistics for the Social and Behavioral Sciences</td>
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### AREA C - ARTS, LITERATURE, PHILOSOPHY AND FOREIGN LANGUAGE

9 semester or 12 quarter units required with at least one course each in arts and humanities.

#### C1 - Arts, Dance, Music, Theater

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>ARCH 250</td>
<td>History of Architecture: Prehistory to Mannerism</td>
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<tr>
<td>ARCH 251</td>
<td>History of Architecture: Baroque to the Present Day</td>
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</tr>
<tr>
<td>ART 100A</td>
<td>Survey of Western Art from Prehistory through the Middle Ages</td>
<td>3</td>
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<tr>
<td>ART 100B</td>
<td>Survey of Western Art from Renaissance to Contemporary</td>
<td>3</td>
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<tr>
<td>ART 101</td>
<td>Art History and Appreciation – Ancient</td>
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<tr>
<td>ART 102</td>
<td>Art History and Appreciation – Medieval</td>
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<tr>
<td>ART 103</td>
<td>Art History and Appreciation - Renaissance to Rococo</td>
<td>3</td>
</tr>
<tr>
<td>ART 104</td>
<td>Art History and Appreciation - 19th Century Art</td>
<td>3</td>
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<tr>
<td>ART 105</td>
<td>Art History and Appreciation - Early 20th Century Art</td>
<td>3</td>
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<tr>
<td>ART 110</td>
<td>Introduction to the Visual Arts</td>
<td>3</td>
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<tr>
<td>ART 111</td>
<td>Beginning Drawing</td>
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<td>ART 112</td>
<td>Intermediate Drawing</td>
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<tr>
<td>ART 130</td>
<td>Beginning Painting</td>
<td>3</td>
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<tr>
<td>ART 140</td>
<td>Beginning Ceramics</td>
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<td>ART 199</td>
<td>Motion Picture Appreciation</td>
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<td>ART 200</td>
<td>History of Motion Pictures</td>
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<td>ART 201</td>
<td>History of Motion Pictures II</td>
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<tr>
<td>ART 206</td>
<td>History of Latin American Art</td>
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<td>ART 207</td>
<td>History of Asian Art - China, Korea, and Japan</td>
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<td>COMM 136</td>
<td>Cultural History of American Films</td>
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<td>DANC 102</td>
<td>History of Dance</td>
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<td>MUSE 109</td>
<td>Music Appreciation</td>
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<tr>
<td>MUSE 110</td>
<td>History of Music I</td>
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<td>MUSE 111</td>
<td>History of Music II</td>
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<td>MUSE 112</td>
<td>History of Jazz</td>
<td>3</td>
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<tr>
<td>MUSE 113</td>
<td>History of Rock and Roll</td>
<td>3</td>
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<tr>
<td>MUSE 114</td>
<td>Introduction to American Music</td>
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<tr>
<td>THEA 101</td>
<td>Introduction to Theatre Arts</td>
<td>3</td>
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<td>THEA 200</td>
<td>The Art of the Theatre</td>
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<tr>
<td>THEA 201</td>
<td>Stage Acting I – Beginning</td>
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<td>THEA 202</td>
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#### C2 - Humanities

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<td>ARCH 250</td>
<td>History of Architecture: Prehistory to Mannerism</td>
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<tr>
<td>ARCH 251</td>
<td>History of Architecture: Baroque to the Present Day</td>
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<td>CHIN 101</td>
<td>Chinese I</td>
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<tr>
<td>CHIN 102</td>
<td>Chinese II</td>
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<tr>
<td>COMM 200</td>
<td>Visual Communications</td>
<td>3</td>
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<tr>
<td>ENGL 102</td>
<td>Introduction to Literature</td>
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<tr>
<td>ENGL 213</td>
<td>Horror Literature</td>
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<td>ENGL 213H</td>
<td>Horror Literature – Honors</td>
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<tr>
<td>ENGL 216</td>
<td>American Latino Literature</td>
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<tr>
<td>ENGL 251</td>
<td>Introduction to English Literature I</td>
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<td>ENGL 252</td>
<td>Introduction to English Literature II</td>
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<td>ENGL 261</td>
<td>Introduction to U.S. American Literature I</td>
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<td>Introduction to U.S. American Literature II</td>
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<td>ENGL 271</td>
<td>Introduction to World Literature: Ancient - Early Modern</td>
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<td>ENGL 272</td>
<td>Introduction to World Literature: 1600’s through Twentieth Century</td>
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<td>Film as Literature</td>
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<td>Children’s Literature</td>
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<td>History of World Civilization since 1500</td>
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<td>History of the United States from 1877</td>
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<td>HIST 132</td>
<td>History of Modern Latin America</td>
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<td>Humanities - Prehistory through the Medieval Period – Honors</td>
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<td>Humanities in the 20th Century</td>
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<td>British Civilization</td>
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<td>HUM 123</td>
<td>Strategies for Peace–Saving Civilization</td>
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<td>HUM 127</td>
<td>Spanish Civilization</td>
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<td>Japanese I</td>
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<td>Introduction to Philosophy</td>
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<td>PHIL 108</td>
<td>Philosophy/Ethics</td>
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<td>PHIL 131</td>
<td>History of Modern Philosophy</td>
<td>3</td>
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<td>SPAN 127</td>
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<td>Latin American Culture and Civilization</td>
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<td>Reading and Composition for Speakers of Spanish II</td>
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**AREA D - SOCIAL, POLITICAL AND ECONOMIC INSTITUTIONS AND BEHAVIORAL, HISTORICAL BACKGROUND**

9 semester or 12 quarter units required with courses in at least two disciplines.

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<th>DO - Sociology and Criminology</th>
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<tr>
<td>ANTH 216</td>
<td>Sex and Gender in a Cross Cultural Perspective</td>
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<tr>
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<td>Minorities in America</td>
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<tr>
<td>SOC 201</td>
<td>Introduction to Sociology</td>
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**D1 - Anthropology and Archeology**

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<td>Introduction to Cultural Anthropology</td>
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<td>ANTH 212</td>
<td>Introduction to Physical Anthropology</td>
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**D2 - Economics**

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<td>Survey of Economics</td>
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<td>ECON 101</td>
<td>Principles of Macroeconomics</td>
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<td>ECON 101H</td>
<td>Principles of Macroeconomics – Honors</td>
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<td>ECON 102</td>
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**D3 - Ethnic Studies**

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<td>ETHN 116</td>
<td>Introduction to Chicano Studies</td>
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<tr>
<td>HIST 111</td>
<td>History of the African-Americans to 1876</td>
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**D4 - Gender Studies**

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<td>PSY 226</td>
<td>Psychology of Women</td>
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**D5 - Geography**

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**D6 - History**

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<td>HIST 104</td>
<td>History of World Civilization since 1500</td>
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<td>HIST 107</td>
<td>History of the United States before 1877</td>
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<td>The World in Conflict - The 20th Century, a History</td>
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<td>History of the African-Americans to 1876</td>
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3 semester units.

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<td>BUS 146</td>
<td>Personal Finance</td>
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<td>COUN 145</td>
<td>Career/Life Planning</td>
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<td>Introduction to Kinesiology</td>
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<td>KIN 170</td>
<td>Fitness for Life</td>
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<td>KIN 171</td>
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<td>Health Science – Honors</td>
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<td>Nutrition for Fitness</td>
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<td>LEAD 103</td>
<td>Foundations of Leadership</td>
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<td>PSY 206</td>
<td>Child Growth and Development</td>
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<td>Survey of Drug and Alcohol Use and Abuse</td>
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<td>Psychology of Human Sexuality</td>
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<tr>
<td>SOC 114</td>
<td>Marriage, Family, and Intimate Relations</td>
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California State University Campuses

HUMBOLDT STATE UNIVERSITY (S) • www.humboldt.edu
1 Harpst Street, Arcata 95521-4957 (707) 826-4402

CSU CHICO (S) • www.csuchico.edu
400 W. First Street, Chico 95929-0722 (530) 895-6321

SONOMA STATE UNIVERSITY (S) • www.sonoma.edu
1801 East Cotati Avenue, Rohnert Park 94928 (707) 864-2778

CALIFORNIA MARITIME ACADEMY (S) • www.csun.edu
200 Maritime Academy Drive, Vallejo 94590 (800) 561-1945

CSU SACRAMENTO (S) • www.csus.edu
6000 J Street, Sacramento 95819-6048 (916) 278-3901

SAN FRANCISCO STATE UNIVERSITY (S) • www.sfsu.edu
1600 Holloway Avenue, San Francisco 94132-4002 (415) 338-1113

CSU EAST BAY (Q) • www.csuhayward.edu
25800 Carlos Bee Boulevard, Hayward 94542-3035 (510) 885-2624

SAN JOSE STATE UNIVERSITY (S) • www.sjsu.edu
One Washington Square, San Jose 95192-0009 (408) 283-7500

CSU STANISLAUS (4-1-4) • www.csustan.edu
801 West Monte Vista Avenue, Turlock 95382 (209) 667-3152

CSU MONTEREY BAY (S) • www.csumb.edu
100 Campus Center Drive, Seaside 93955-8001 (831) 582-3618

CSU FRESNO (S) • www.csufresno.edu
5150 North Maple Avenue, Fresno 93740-0057 (559) 278-2261

CAL POLY STATE UNIVERSITY, SAN LUIS OBISPO (Q) • www.calpoly.edu
San Luis Obispo 93407 (805) 756-2311

CSU BAKERSFIELD (Q) • www.csusb.edu
9001 Stockdale Highway, Bakersfield 93311-1099 (661) 654-3036

CSU NORTHridge (S) • www.csun.edu
18111 Nordhoff Street, Northridge 91330-8207 (818) 677-3700

CSU LOS ANGELES (Q) • www.calstatela.edu
5151 State University Drive, Los Angeles 90032-8530 (323) 343-3901

CSU DOMINGUEZ HILLS (S) • www. csudh. edu
1000 East Victoria Street, Carson 90747 (310) 243-3606

CAL POLY STATE UNIVERSITY, POMONA (Q) • www.csupomona.edu
3801 West Temple Avenue, Pomona 91768-4033 (909) 869-3210

CSU SAN BERNARDINO (Q) • www.csusb.edu
5500 University Parkway, San Bernardino 92407-2397 (909) 537-5188

CSU FULLERTON (S) • www.fullerton.edu
800 N. State College Boulevard, Fullerton 92834-9480 (714) 278-2300

CSU LONG BEACH (S) • www.csulb.edu
1250 Bellflower Boulevard, Long Beach 90840-0106 (562) 985-5471

CSU SAN MARCOS (S) • www.csusm.edu
333 S. Twin Oaks Valley Road, San Marcos 92096-0001 (760) 750-4848

SAN DIEGO STATE UNIVERSITY (S) • www.sdsu.edu
5500 Campanile Drive, San Diego 92182-7455 (619) 594-6396

CSU CHANNEL ISLANDS (S) • www.csuci.edu
One University Drive, Camarillo, CA 93012 (805) 437-8500

S = SEMESTER SYSTEM  Q = QUARTER SYSTEM
University of California
The University of California System (UC) consists of 10 campuses:
- Berkeley
- Davis
- Irvine
- Los Angeles
- Merced
- Riverside
- San Diego
- San Francisco (Medical Center)
- Santa Barbara
- Santa Cruz

Each campus within the UC system has its own unique geographic and academic character. The UC offers bachelor’s, master’s, and doctoral degrees in a variety of subject areas.

Articulation agreements between California Community Colleges and individual UC campuses can be found on www.assist.org. Articulation agreements can help identify courses to select for course transferability, major preparation and general education requirements.

Many UC campuses offer individual admission agreements that guarantee students space on campus or in a particular major, provided they complete specific academic requirements while at a community college. Citrus College has Transfer Admission Guarantees (TAGs) with Davis, Irvine, Merced, Riverside, Santa Barbara and Santa Cruz. Students are urged to secure UC admission by submitting a TAG during the TAG application filing period, September 1 - 30. TAG criteria can be found at www.universityofcalifornia.edu/admissions/transfer/index.html.

Transfer Eligibility Requirements
The UC considers a student a transfer applicant if they are enrolled in a regular session at a college or university after high school, not including summer session. The student's college record cannot be disregarded; they cannot apply as a freshman. A maximum of 70 semester units of transferable credit will be accepted for courses completed at a community college.

The UC gives junior-level community college students first priority over other transfer applicants, including those from four-year institutions and UC’s own intercampus transfer students.

Junior-Level Transfer
To be considered for UC admission as a junior, you must fulfill both of the following:
1. Complete 60 semester (90 quarter) units of transferable college credit with a GPA of at least 2.4 (2.8 if you’re a nonresident). No more than 14 semester (21 quarter) units may be taken Pass/No Pass.
2. Complete the following course pattern requirements, earning a grade of C or better in each course:
   - Two transferable college courses (3 semester or 4-5 quarter units each) in English composition
   - One transferable college course (3 semester or 4-5 quarter units) in mathematical concepts and quantitative reasoning
   - Four transferable college courses (3 semester or 4-5 quarter units each) chosen from at least two of the following subject areas:
     - arts and humanities
     - social and behavioral sciences
     - physical and biological sciences

Each course in this pattern must be worth at least three semester units and you must earn a grade of C or better in each course. For information about which community college courses are UC transferable and which are approved for UC Transfer Admissions Eligibility, visit www.assist.org.

Lower-Division Transfer
While all UC campuses welcome a large pool of junior-level transfers, most admit only a limited number of lower-division students:
- If you were eligible for admission to UC when you graduated from high school — meaning you satisfied the subject, examination and scholarship requirements or were identified by UC during your senior year as Eligible in the Local Context (ELC) and completed the subject and examination requirements in your senior year — you are eligible for transfer if you have a 2.0 GPA in your transferable college course work (2.8 GPA for non-residents).
- If you met the scholarship requirement in high school, but did not satisfy the 15-course subject requirement, you must take transferable college courses in the missing subjects, earn a C or better in each required course and have an overall 2.0 GPA in all transferable coursework to be eligible to transfer (a 2.8 GPA is required for nonresidents).
Nonresidents
The minimum admission requirements for nonresidents are very similar to those for residents. Non-California residents must consult with the admissions office at one of the UC campuses for details. In all cases, however, nonresidents must have a grade point average of 2.8 or higher in all transferable college coursework.

Intersegmental General Education Transfer Curriculum (IGETC)
Completion of all the requirements in the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer from a community college to a campus in either the University of California (UC) or the California State University (CSU) systems without the need to complete additional lower-division general education courses.

The IGETC is not an admission requirement for transfer to UC or CSU, nor is it the only way to fulfill prior to transfer the lower-division, general education requirements of UC or CSU. Students pursuing majors that require extensive lower-division preparation may not find the IGETC option to be advantageous.

Students who have taken Advanced Placement (AP) examinations may be able to use them towards credit for IGETC.

IGETC Area 1: English Communication
CSU - 3 courses required, one each from Group A, B and C.
UC - 2 courses required, one each from Group A and B.

1A: English Composition
ENGL 101 Reading and Composition 3
ENGL 101H Reading and Composition - Honors 3

1B: Critical Thinking-English Composition
ENGL 103 Composition and Critical Thinking 3
ENGL 103H Composition and Critical Thinking - Honors 3
ENGL 104 Argumentative Writing and Critical Thinking 3

1C: Oral Communication (CSU requirement only)
1 course, 3 semester units
SPCH 101 Public Address 3
SPCH 101H Public Address - Honors 3
SPCH 103 Argumentation and Debate 3

IGETC Area 2: Mathematical Concepts and Quantitative Reasoning
1 course, 3 semester units.
2A: Mathematics
MATH 162 Introductory Mathematical Analysis 4
MATH 165 Introductory Statistics 4
MATH 170 College Algebra 4
MATH 175 Pre-Calculus 4
MATH 190 Calculus with Analytic Geometry I 4
MATH 191 Calculus with Analytic Geometry II 4
MATH 210 Calculus with Analytic Geometry III 4
MATH 211 Differential Equations 5

2B: Mathematical Concepts and Quantitative Reasoning
PSY 103 Statistics for the Social and Behavioral Sciences 3
PSY 203 Research Methods in Psychology 4

IGETC Area 3: Arts and Humanities
At least 3 courses, with at least one course from the arts and one course from the humanities, 9 semester units.
3A: Fine Arts
ARCH 250 History of Architecture: Prehistory to Mannerism 3
ARCH 251 History of Architecture: Baroque to the Present Day 3
ART 100A Survey of Western Art from Prehistory through the Middle Ages 3
ART 100B Survey of Western Art from Renaissance to Contemporary 3
ART 101 Art History and Appreciation - Ancient 3
ART 102 Art History and Appreciation - Medieval 3
ART 103 Art History and Appreciation - Renaissance to Rococo 3
ART 104 Art History and Appreciation - 19th Century Art 3
ART 105 Art History and Appreciation - Early 20th Century Art 3
ART 110 Introduction to the Visual Arts 3
ART 199 Motion Picture Appreciation 3
ART 200 History of Motion Pictures 3
ART 201 History of Motion Pictures II 3
ART 206 History of Latin American Art 3
ART 207 History of Asian Art - China, Korea, and Japan 3
COMM 136 Cultural History of American Films 3
DANC 102 History of Dance 3
MUSE 109 Music Appreciation 3
MUSE 110 History of Music I 3
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<td>MUSE 112</td>
<td>History of Jazz</td>
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**3B: Humanities**

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<td>ENGL 213</td>
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<td>Introduction to English Literature II</td>
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<td>Introduction to U.S. American Literature I</td>
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<td>Introduction to U.S. American Literature II</td>
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<td>Introduction to World Literature: Ancient - Early</td>
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<td>ENGL 272</td>
<td>Introduction to World Literature: 1600's through</td>
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<td>Film as Literature - Honors</td>
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</tr>
<tr>
<td>ENGL 293</td>
<td>Children's Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 293H</td>
<td>Children's Literature - Honors</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 294</td>
<td>Introduction to Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 298</td>
<td>Literature of the Bible</td>
<td>3</td>
</tr>
<tr>
<td>FREN 102</td>
<td>French II</td>
<td>5</td>
</tr>
<tr>
<td>GER 102</td>
<td>German II</td>
<td>5</td>
</tr>
<tr>
<td>GER 201</td>
<td>German III</td>
<td>5</td>
</tr>
<tr>
<td>GER 202</td>
<td>German IV</td>
<td>5</td>
</tr>
<tr>
<td>HIST 103</td>
<td>History of World Civilization up to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 103H</td>
<td>History of World Civilization up to 1500 - Honors</td>
<td>3</td>
</tr>
<tr>
<td>HIST 104</td>
<td>History of World Civilization since 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 107</td>
<td>History of the United States before 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 107H</td>
<td>History of the United States before 1877 - Honors</td>
<td>3</td>
</tr>
<tr>
<td>HIST 108</td>
<td>History of the United States from 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 108H</td>
<td>History of the United States from 1877 - Honors</td>
<td>3</td>
</tr>
<tr>
<td>HIST 130</td>
<td>Latin American Culture and Civilization</td>
<td>3</td>
</tr>
</tbody>
</table>

**IGETC Area 4: Social and Behavioral Sciences**

At least 3 courses from at least 2 disciplines or an interdisciplinary sequence, 9 semester units.

**4A: Anthropology and Archaeology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 210</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 210H</td>
<td>Introduction to Cultural Anthropology - Honors</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 216</td>
<td>Sex and Gender in a Cross Cultural Perspective</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 220</td>
<td>Introduction to Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 216</td>
<td>Sex and Gender in a Cross Cultural Perspective</td>
<td>3</td>
</tr>
</tbody>
</table>

**4B: Economics**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 100</td>
<td>Survey of Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101H</td>
<td>Principles of Macroeconomics - Honors</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
</tbody>
</table>

**4C: Ethnic Studies**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHN 101</td>
<td>Introduction to Ethnic Studies</td>
<td>3</td>
</tr>
<tr>
<td>ETHN 116</td>
<td>Introduction to Chicano Studies</td>
<td>3</td>
</tr>
</tbody>
</table>
### 4D: Gender Studies
- ANTH 216: Sex and Gender in a Cross Cultural Perspective
- SOC 216: Sex and Gender in a Cross Cultural Perspective

### 4E: Geography
- GEOG 102: Cultural Geography

### 4F: History
- HIST 103: History of World Civilization up to 1500
- HIST 103H: History of World Civilization up to 1500 - Honors
- HIST 104: History of World Civilization since 1500
- HIST 107: History of the United States before 1877
- HIST 107H: History of the United States before 1877 - Honors
- HIST 108: History of the United States from 1877
- HIST 108H: History of the United States from 1877 - Honors
- HIST 109: The World in Conflict - The 20th Century, a History
- HIST 111: History of the African-Americans to 1876
- HIST 112: History of the African-Americans since 1876
- HIST 130: Latin American Culture and Civilization
- HIST 131: History of Latin America to 1825
- HIST 132: History of Modern Latin America
- HIST 139: History of California
- HIST 145: History of Mexico
- HIST 155: History of the Vietnam War
- HIST 222: History of World War II
- HUM 127: Spanish Civilization
- SPAN 127: Spanish Civilization
- SPAN 130: Latin American Culture and Civilization

### 4G: Interdisciplinary, Social & Behavioral Sciences
- COMM 100: Mass Media and Society
- HUM 120: British Civilization
- SOC 114: Marriage, Family, and Intimate Relations

### 4H: Political Science, Government & Legal Institutions
- AJ 101: Introduction to the Administration of Justice
- AJ 102: Concepts of Criminal Law
- POLI 103: American Government and Politics
- POLI 103H: American Government and Politics - Honors
- POLI 104: Introduction to Political Science
- POLI 105: Comparative Politics
- POLI 108: Political Theory
- POLI 116: International Relations

### 4I: Psychology
- PSY 101: Introduction to Psychology
- PSY 101H: Introduction to Psychology - Honors
- PSY 110: Psychology of Religion I
- PSY 203: Research Methods in Psychology
- PSY 205: Developmental Psychology
- PSY 206: Child Growth and Development
- PSY 212: Psychological Disorders
- PSY 220: Introduction to Social Psychology
- PSY 225: Psychology of Human Sexuality
- PSY 226: Psychology of Women

### 4J: Sociology & Criminology
- ANTH 216: Sex and Gender in a Cross Cultural Perspective
- SOC 118: Minorities in America
- SOC 201: Introduction to Sociology
- SOC 201H: Introduction to Sociology - Honors
- SOC 202: Contemporary Social Problems
- SOC 216: Sex and Gender in a Cross Cultural Perspective
- SOC 220: Introduction to Gender

### IGETC Area 5: Physical and Biological Sciences
2 courses—one physical science course and one biological science course; at least one course must include a laboratory, 7-9 semester units.

Courses in bold are lab courses.

### 5A: Physical Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTR 115</td>
<td>3</td>
</tr>
<tr>
<td>ASTR 115H</td>
<td>3</td>
</tr>
<tr>
<td>ASTR 116</td>
<td>4</td>
</tr>
<tr>
<td>ASTR 117</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 103</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 104</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 110</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 112</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 210</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 220</td>
<td>3</td>
</tr>
<tr>
<td>ESCI 119</td>
<td>3</td>
</tr>
<tr>
<td>ESCI 120</td>
<td>4</td>
</tr>
<tr>
<td>ESCI 121</td>
<td>4</td>
</tr>
</tbody>
</table>

### 5B: Biological Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESCL 119</td>
<td>3</td>
</tr>
</tbody>
</table>
ESCI 122  Earth History  3  
ESCI 130  Physical Oceanography  3  
GEOG 118  Physical Geography  3  
**PHYS 110**  Introduction to College Physics  4  
**PHYS 111**  Physics for Life Sciences I  4  
**PHYS 112**  Physics for Life Sciences II  4  
**PHYS 201**  Physics A: Mechanics  5  
**PHYS 202**  Physics B: Thermodynamics and Electromagnetism  5  
**PHYS 203**  Physics C: Waves, Optics & Modern Physics  5  

**5B: Biological Science**  
**ANTH 212**  Introduction to Physical Anthropology  3  
**ANTH 212L**  Introduction to Physical Anthropology Lab  1  
BIOL 102  Human Genetics  3  
BIOL 104  Biology: Contemporary Topics  3  
**BIOL 105**  General Biology  4  
**BIOL 105H**  General Biology - Honors  4  
**BIOL 124**  Principles of Biology I  5  
**BIOL 125**  Principles of Biology II  5  
BIOL 145  Environmental Science  3  
**BIOL 200**  Human Anatomy  4  
**BIOL 201**  Human Physiology  4  
**BIOL 220**  Microbiology  5  
PSY 102  Psychobiology  3  

**5C: Science Laboratory**  
**ANTH 212L**  Introduction to Physical Anthropology Lab  1  
**ASTR 116**  Stellar Astronomy  4  
**BIOL 105**  General Biology  4  
**BIOL 105H**  General Biology - Honors  4  
**BIOL 124**  Principles of Biology  5  
**BIOL 125**  Principles of Biology II  5  
**BIOL 200**  Human Anatomy  4  
**BIOL 201**  Human Physiology  4  
**BIOL 220**  Microbiology  5  
**CHEM 103**  College Chemistry  5  
**CHEM 104**  College Chemistry  5  
**CHEM 110**  Beginning General Chemistry  5  
**CHEM 111**  General Chemistry  5  
**CHEM 112**  General Chemistry  5  
**ESCI 120**  Physical Geology with Lab  4  
**ESCI 121**  Historical Geology  4  
**PHYS 110**  Introduction to College Physics  4  
**PHYS 111**  Physics for Life Sciences I  4  
**PHYS 112**  Physics for Life Sciences II  4  
**PHYS 201**  Physics A: Mechanics  5  
**PHYS 203**  Physics C: Waves, Optics & Modern Physics  5  

**IGETC Area 6: Language other than English (UC Requirement Only)**  
Proficiency equivalent to two years of high school study in the same language.

**6A: Languages other than English (UC Requirement Only)**  
| Units |
|-------|---|
| CHIN 101  Chinese I  5  
CHIN 102  Chinese II  5  
FREN 101  French I  5  
FREN 102  French II  5  
GER 101  German I  5  
GER 102  German II  5  
GER 201  German III  5  
GER 202  German IV  5  
JPN 101  Japanese I  5  
JPN 102  Japanese II  5  
SPAN 101  Spanish I  5  
SPAN 102  Spanish II  5  
SPAN 201  Spanish III  5  
SPAN 202  Spanish IV  5  
SPAN 210  Intermediate Spanish for Speakers of Spanish  5  
SPAN 211  Reading and Composition for Speakers of Spanish II  5  

Courses listed in multiple areas shall not be certified in more than one area except for courses in languages other than English, which can be certified in both areas 3B and 6A.
University of California Campuses

UC DAVIS (Q) • www.ucdavis.edu
One Shields Avenue, Davis 95616 (530) 752-1011

UC SAN FRANCISCO (Q) • www.ucsf.edu
San Francisco 94143 (415) 476-9000
This is a graduate-level, professional institution.

UC BERKELEY (S) • www.berkeley.edu
Berkeley 94720 (510) 642-6000

UC SANTA CRUZ (Q) • www.ucsc.edu
1156 High Street, Santa Cruz 95064 (831) 459-0111

UC MERCED (S) • www.ucmerced.edu
5200 North Lake Road, Fresno 93710 (209) 724-4400

UC SANTA BARBARA (Q) • www.ucsb.edu
Santa Barbara 93106 (805) 893-8000

UC LOS ANGELES (Q) • www.ucla.edu
Los Angeles 90095 (310) 825-4321

UC IRVINE (Q) • www.uci.edu
Irvine 92697 (949) 824-6011

UC RIVERSIDE (Q) • www.ucr.edu
Riverside 92521 (951) 827-1012

UC SAN DIEGO (Q) • www.ucsd.edu
9500 Gilman Drive, La Jolla 92037 (858) 534-2230

S = SEMESTER SYSTEM   Q = QUARTER SYSTEM
## Associate Degrees for Transfer  
**(AA-T and AS-T)**

### Administration of Justice  
**A.S. Transfer Degree**

Administration of Justice examines the causes of crime and the structure, procedures, and decision-making processes of agencies that deal with crime management. The program leading to the Associate in Science in Administration of Justice for Transfer is designed to provide a theoretical background of the criminal justice system in America (police, courts, and corrections) and familiarize students with academic, career and volunteer opportunities in the field.

Students who complete this degree will be guaranteed admission with junior status to the California State University system, and will be given priority admission to our local CSU campus. Students receiving this transfer degree must meet the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
   - The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.
   - A minimum of 18 semester 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.

### Required core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 101</td>
<td>Introduction to the Administration of Justice</td>
</tr>
<tr>
<td>AJ 102</td>
<td>Concepts of Criminal Law</td>
</tr>
</tbody>
</table>

### Select two (2) of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 103</td>
<td>Legal Aspects of Evidence</td>
</tr>
<tr>
<td>AJ 105</td>
<td>Criminal Investigation</td>
</tr>
<tr>
<td>AJ 106</td>
<td>Patrol Procedures</td>
</tr>
<tr>
<td>AJ 107</td>
<td>Traffic Control</td>
</tr>
<tr>
<td>AJ 108</td>
<td>Juvenile Procedures</td>
</tr>
<tr>
<td>AJ 109</td>
<td>Criminal Procedures</td>
</tr>
<tr>
<td>AJ 111</td>
<td>Narcotics and Vice Control</td>
</tr>
<tr>
<td>AJ 112</td>
<td>Community Relations</td>
</tr>
<tr>
<td>AJ 121</td>
<td>Death Investigation</td>
</tr>
<tr>
<td>AJ 130</td>
<td>Introduction to Probation and Parole</td>
</tr>
<tr>
<td>AJ 131</td>
<td>Introduction to Corrections</td>
</tr>
<tr>
<td>AJ 135</td>
<td>Control and Supervision in Corrections</td>
</tr>
<tr>
<td>AJ 136</td>
<td>Correctional Interviewing and Counseling</td>
</tr>
<tr>
<td>AJ 137</td>
<td>Legal Aspects of Corrections</td>
</tr>
<tr>
<td>MATH 165</td>
<td>Introductory Statistics</td>
</tr>
<tr>
<td>PHIL 110</td>
<td>Philosophy/Logic</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Introduction to Psychology</td>
</tr>
<tr>
<td>SOC 201</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

**Total Units 18 - 19**

### A.S.-Transfer Degree Level Student Learning Outcomes

Students completing the Administration of Justice A.S.-Transfer Degree will:

1. Demonstrate a comprehension and appreciation of the connections, contributions, experiences, and potential conflicts of various ethnicities, races, and genders as they interact with the criminal justice components.
2. Demonstrate an understanding of the administration of justice system and how the student as an individual understands career opportunities in the field as well as individual/community rights and responsibilities.
3. Demonstrate an awareness of crime causation, roles of the components of the administration of justice system, and social and economic impact of crime on society.

### Anthropology  
**A.A. Transfer Degree**

New degree, pending Chancellor’s Office approval
Business Administration
A.S. Transfer Degree

Business is the study of the practices and products of commerce.

The Associate in Science in Business Administration for Transfer (AS-T) provides lower division preparation for students planning to transfer into business or business administration programs. Students will take courses in business as well as related fields required for business majors. This degree can lead students into several areas of concentration at four-year universities, including the following: business management, business law, marketing, finance, business ethics, and business communications.

Students who complete this degree will be guaranteed admission with junior status to the California State University system, although not a particular campus or major, and will be given priority admission to our local CSU campus.

This degree requires 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) The major preparation courses outlined below.

Students must obtain a minimum grade point average of 2.0 and a C or better in all courses required for the major.

<table>
<thead>
<tr>
<th>Required core courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 101          Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>ACCT 102          Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 160           Business Law and the Legal Environment I</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101          Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101H         Principles of Macroeconomics-Honors</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102          Principles of Microeconomics</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select one (1) of the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 162 Introductory Mathematical Analysis</td>
</tr>
<tr>
<td>MATH 165 Introductory Statistics</td>
</tr>
</tbody>
</table>

Select two (2) of the following:

- The math course not chosen above. 4
- BUS 130 Introduction to Business 3
- BUS 152 Business Communications 3
- CIS 130 Microcomputer Applications I 4

Total Units 27 - 29

A.S.-Transfer Degree Level Student Learning Outcomes

Students completing the Business Administration A.S.-Transfer Degree will:
1. Effectively communicate within business organizations.
2. Critically analyze business issues.
4. Understand the environments that impact on organizational growth.

Communication Studies
A.A. Transfer Degree

The Associate in Arts in Communication Studies for Transfer degree focuses on the areas of public communication, small group communication, oral interpretation, and interpersonal communication. It is designed to increase skills in verbal communication and public speaking, analysis and listening, interpersonal relationships, teamwork and leadership, motivation and initiative, and dealing with diversity.

The Associate in Arts in Communication Studies for Transfer degree provides lower division preparation for students planning to transfer into speech communication and communication studies programs. Students should take courses in both speech communication and media arts. Students who complete this degree will be guaranteed admission with junior status to the California State University system, and will be given priority admission to our local CSU campus.

This degree requires 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) The major preparation courses outlined below.

Students must obtain a minimum grade point average of 2.0 and a C or better in all courses required for the major.

Students are not required to meet additional competency requirements beyond those listed above.
### Required core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCH 101</td>
<td>Public Address</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPCH 101H</td>
<td>Public Address - Honors</td>
<td>3</td>
</tr>
</tbody>
</table>

### Select two (2) of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCH 100</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 103</td>
<td>Argumentation and Debate</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 106</td>
<td>Small Group Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

### Select two (2) of the following and/or any of the previous courses not already used:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 100</td>
<td>Mass Media and Society</td>
<td>3</td>
</tr>
<tr>
<td>COMM 101</td>
<td>Reporting and Writing News</td>
<td>3</td>
</tr>
<tr>
<td>COMM 104</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>PHTO 101</td>
<td>Basic Photography</td>
<td>3</td>
</tr>
</tbody>
</table>

### Select one (1) of the following and/or any of the previous courses not already used:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 101</td>
<td>Reporting and Writing News</td>
<td>3</td>
</tr>
<tr>
<td>COMM 104</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>COMM 136</td>
<td>Cultural History of American Films</td>
<td>3</td>
</tr>
<tr>
<td>COMM 200</td>
<td>Visual Communications</td>
<td>3</td>
</tr>
<tr>
<td>COMM 230</td>
<td>Desktop Publishing</td>
<td>3</td>
</tr>
<tr>
<td>COMM 240A</td>
<td>Newspaper Production Staff</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 104</td>
<td>Advanced Rhetoric: The Classical Essay</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units 18**

### A.A.-Transfer Degree Level Student Learning Outcomes

Students completing the Communication Studies A.A.-Transfer Degree will:

1. Interpret and critically assess a variety of media messages, including those that reflect multicultural perspectives in order to make connections, critically compare and contrast ideas, and produce written, oral, and visual messages.
2. Research, organize, compose, and deliver public presentations on socially significant and intellectually challenging topics in order to demonstrate college-level public speaking skills and critical thinking.
3. Effectively listen to and critically evaluate others’ messages in order to appreciate audience needs.

### Early Childhood Education

**A.S. Transfer Degree**

Early Childhood Education focuses on the teaching and care of young children by providing the theoretical background of child development and developmentally appropriate practices of the education of young children.

Students who complete this degree may enter with junior status to the California State University system, and will be given priority admission to our local CSU campus.

Students receiving this transfer degree must 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 24 semester units in the major as determined by the community college district.

Minimum 2.0 GPA for major courses

Obtain a minimum grade point average of 2.0.
6. Apply ethical standards and professional behaviors that demonstrate an understanding knowledge, and a deepening commitment to the child development profession and early childhood education.

**Elementary Teacher Education A.A. Transfer Degree**

The Associate in Arts in Elementary Teacher Education for Transfer degree offers students a breadth of study across disciplines. In this major, students learn to think critically, communicate clearly and prepare for transfer into a liberal studies program at a four-year university. The liberal studies is the most common “approved major” for teacher preparation, and it best prepares students to take the CBEST and CSET exams.

To qualify for this degree students must complete the following requirements:

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) All units in the major with a minimum 2.0 GPA for major courses.
2) Obtainment of a minimum grade point average of 2.0.

Students planning to transfer to a four-year college or university should complete courses (and elective courses) specific to the transfer institution of choice. University requirements vary from institution to institution and are subject to change. Therefore, it is important to verify transfer major preparation and general education through consultation with the Center for Teacher Excellence or the Career and Transfer Center.

<table>
<thead>
<tr>
<th>Required core courses:</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 105</td>
<td>General Biology</td>
</tr>
<tr>
<td>or</td>
<td>BIOL 105H</td>
</tr>
<tr>
<td>BIOL 109</td>
<td>Biology for Educators</td>
</tr>
<tr>
<td>CHLD 100</td>
<td>Introduction to Education and Teaching Grades K-12</td>
</tr>
<tr>
<td>ENGL 101</td>
<td>Reading and Composition</td>
</tr>
<tr>
<td>or</td>
<td>ENGL 101H</td>
</tr>
<tr>
<td>ENGL 102</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>ESCI 106</td>
<td>Earth and Space Science for Educators</td>
</tr>
<tr>
<td>GEOG 102</td>
<td>Cultural Geography</td>
</tr>
<tr>
<td>HIST 103</td>
<td>History of World Civilization up to 1500</td>
</tr>
<tr>
<td>or</td>
<td>HIST 103H</td>
</tr>
<tr>
<td>HIST 107</td>
<td>History of the United States before 1877</td>
</tr>
<tr>
<td>or</td>
<td>HIST 107H</td>
</tr>
<tr>
<td>MATH 168</td>
<td>Mathematics for Elementary Teachers I</td>
</tr>
<tr>
<td>PSY 206</td>
<td>Child Growth and Development</td>
</tr>
<tr>
<td>or</td>
<td>SPCH 101</td>
</tr>
<tr>
<td>or</td>
<td>SPCH 101H</td>
</tr>
<tr>
<td>POLI 103</td>
<td>American Government and Politics</td>
</tr>
<tr>
<td>or</td>
<td>POLI 103H</td>
</tr>
</tbody>
</table>

**Physical science courses:**

Select either CHEM 106 or PHYS 106 or the combination of CHEM 110 and PHYS 110.

<table>
<thead>
<tr>
<th>Required core courses:</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CHEM 106</td>
<td>Physical Science for Educators</td>
</tr>
<tr>
<td>or</td>
<td>PHYS 106</td>
</tr>
<tr>
<td>or</td>
<td>CHEM 110</td>
</tr>
<tr>
<td>and</td>
<td>PHYS 110</td>
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**Select one (1) of the following:**

<table>
<thead>
<tr>
<th>Required core courses:</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103</td>
<td>Composition and Critical Thinking</td>
</tr>
<tr>
<td>or</td>
<td>ENGL 103H</td>
</tr>
<tr>
<td>or</td>
<td>ENGL 104</td>
</tr>
</tbody>
</table>
Select one (1) of the following:

ART 100  Art History and Appreciation-Fundamentals  3
MUSE 109  Music Appreciation  3
THEA 101  Introduction to Theatre Arts  3

Select any course not selected previously or one (1) of the following:

CHIN 102  Chinese II  5
ENGL 261  Introduction to U.S. American Literature I  3
ENGL 262  Introduction to U.S. American Literature II  3
ENGL 271  Introduction to World Literature: Ancient - Early Modern  3
ENGL 272  Introduction to World Literature: 1600's through Twentieth Century  3
ENGL 293  Children's Literature  3
GER 102  German II  5
GER 201  German III  5
GER 202  German IV  5
HIST 104  History of World Civilization since 1500  3
HUM 101  Humanities - Prehistory through the Medieval Period  3
HUM 101H  Humanities - Prehistory through the Medieval Period - Honors  3
HUM 102  Humanities from the Renaissance through the 19th Century  3
JPN 102  Japanese II  5
KIN 176  Elementary School Physical Education  3
MUSE 100  Music Fundamentals  3
PHIL 101  Great Religions of the World  3
PHIL 106  Introduction to Philosophy  3
PHIL 106H  Introduction to Philosophy - Honors  3
PHIL 108  Philosophy/Ethics  3
SPAN 102  Spanish II  5
SPAN 201  Spanish III  5
SPAN 202  Spanish IV  5
SPAN 210  Intermediate Spanish for Speakers of Spanish  5
SPAN 211  Reading and Composition for Speakers of Spanish II  5

Total Units 52 - 59

A.A.-Transfer Degree Level Student Learning Outcomes

Students completing the Elementary Education A.A.-Transfer Degree will:
1. Demonstrate knowledge of integrated studies found in the disciplines in the College of Arts and Sciences.
3. Increased awareness of personal and social responsibility needed for working with diverse peoples by fostering an ethic of social engagement and citizenship.
4. Demonstrate skills needed for teamwork, creativity, problem-solving, collaborative decision-making, and an appreciation of learning.

English
A.A. Transfer Degree

The Associate in Arts Degree in English for Transfer (AA-T) is for students who intend to complete a bachelor's degree in English at a CSU. Core course work explores primarily British and American writers through an array of literary traditions, providing opportunities for students to express their understanding and appreciation of the literary world through analysis, research and composition.

This degree provides lower division preparation for students planning to transfer into English programs. Students will take courses in English as well as related fields required for English majors. Students who complete this degree will be guaranteed admission with junior status to the California State University, though not a particular campus or major, and will be given priority admission to our local CSU campus.

Students receiving this transfer degree must meet the following requirements:

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to 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 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.

Required core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 102</td>
<td>Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 104</td>
<td>Advanced Rhetoric: The Classical Essay</td>
<td>3</td>
</tr>
</tbody>
</table>
Select three (3) of the following:
ENGL 251  Introduction to English Literature I  3
ENGL 252  Introduction to English Literature II  3
ENGL 261  Introduction to U.S. American Literature I  3
ENGL 262  Introduction to U.S. American Literature II  3
ENGL 271  Introduction to World Literature: Ancient - Early Modern  3
ENGL 272  Introduction to World Literature: 1600’s through Twentieth Century  3

Select any course not selected previously or one (1) of the following:
CHIN 102  Chinese II  5
COMM 101  Reporting and Writing News  3
ENGL 103  Composition and Critical Thinking  3
ENGL 103H  Composition and Critical Thinking - Honors  3
ENGL 213  Horror Literature  3
ENGL 213H  Horror Literature - Honors  3
ENGL 291  Film as Literature  3
ENGL 291H  Film as Literature - Honors  3
ENGL 293  Children's Literature  3
ENGL 293H  Children's Literature - Honors  3
ENGL 294  Introduction to Shakespeare  3
ENGL 298  Literature of the Bible  3
GER 101  German I  5
GER 102  German II  5
GER 201  German III  5
GER 202  German IV  5
JPN 101  Japanese I  5
JPN 102  Japanese II  5
SPAN 101  Spanish I  5
SPAN 102  Spanish II  5
SPAN 201  Spanish III  5
SPAN 202  Spanish IV  5
SPAN 210  Intermediate Spanish for Speakers of Spanish  5
SPAN 211  Reading and Composition for Speakers of Spanish II  5

Total Units 18 - 20

A.A.-Transfer Degree Level Student Learning Outcomes
Students completing the English A.A.-Transfer Degree will:
1. Critically analyze and evaluate the subtext of literature texts in order to demonstrate knowledge of literary terminology.
2. Identify and evaluate the writer’s use of literature as a persuasive tool to identify and assess the effectiveness of literary works.
3. Recognize the historical and cultural context of material to evaluate the impact of various cultural phenomena on perspectives presented in literature.
4. Employ established modes of reasoning in the defense and development of thesis/judgments to clearly demonstrate knowledge of critical analysis tools in all written work.
5. Critically analyze and synthesize source material to demonstrate the ability to write at the college level.
6. Demonstrate cultural awareness, personal responsibility, and ethical behavior in evaluating and writing about literature.
7. Demonstrate an appreciation and understanding of the scientific method of enquiry.

History
A.A. Transfer Degree
This degree provides lower-division preparation for students planning to transfer into history programs at four-year colleges and universities. Students will take history courses as well as courses in related fields required for history majors.

In addition to helping students meet general education and core requirements for transfer to an upper-division level history program, the courses are designed to give students a foundation in the examination of the record of human development. Special attention will be given to changing social, political, economic, and cultural structures and to the trends and patterns in history as they develop between and across regions. Students will be exposed to research methods that will help them contextualize their historical experience as well as develop skills in critical thought and writing.

Students who complete this degree will be guaranteed admission with junior status to the California State University, though not a particular campus or major, and will be given priority admission to our local CSU campus.

Students receiving this transfer degree must meet the following requirements:

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to 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 in a major or area of emphasis, as determined by the community college district.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 107</td>
<td>History of the United States before 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 107H</td>
<td>History of the United States before 1877 - Honors</td>
<td>3</td>
</tr>
<tr>
<td>HIST 108</td>
<td>History of the United States from 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 108H</td>
<td>History of the United States from 1877 - Honors</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select two (2) of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 103</td>
<td>History of World Civilization up to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 103H</td>
<td>History of World Civilization up to 1500 - Honors</td>
<td>3</td>
</tr>
<tr>
<td>HIST 104</td>
<td>History of World Civilization since 1500</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one (1) of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 210</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 210H</td>
<td>Introduction to Cultural Anthropology - Honors</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 216</td>
<td>Sex and Gender in a Cross Cultural Perspective</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 216H</td>
<td>Sex and Gender in a Cross Cultural Perspective - Honors</td>
<td>3</td>
</tr>
<tr>
<td>GER 201</td>
<td>German III</td>
<td>5</td>
</tr>
<tr>
<td>GER 202</td>
<td>German IV</td>
<td>5</td>
</tr>
<tr>
<td>HIST 105</td>
<td>History of World Civilization - The 20th Century</td>
<td>3</td>
</tr>
<tr>
<td>HIST 109</td>
<td>The World in Conflict - The 20th Century, a History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 111</td>
<td>History of the African-Americans to 1876</td>
<td>3</td>
</tr>
<tr>
<td>HIST 112</td>
<td>History of the African-Americans since 1876</td>
<td>3</td>
</tr>
<tr>
<td>HIST 130</td>
<td>Latin American Culture and Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 131</td>
<td>History of Latin America to 1825</td>
<td>3</td>
</tr>
<tr>
<td>HIST 132</td>
<td>History of Modern Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 145</td>
<td>History of Mexico</td>
<td>3</td>
</tr>
<tr>
<td>HIST 155</td>
<td>History of the Vietnam War</td>
<td>3</td>
</tr>
<tr>
<td>HIST 222</td>
<td>History of World War II</td>
<td>3</td>
</tr>
<tr>
<td>SOC 118</td>
<td>Minorities in America</td>
<td>3</td>
</tr>
<tr>
<td>SOC 216</td>
<td>Sex and Gender in a Cross Cultural Perspective</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 201</td>
<td>Spanish III</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 202</td>
<td>Spanish IV</td>
<td>5</td>
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**Select one (1) of the following courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 105</td>
<td>History of World Civilization - The 20th Century</td>
<td>3</td>
</tr>
<tr>
<td>HIST 109</td>
<td>The World in Conflict - The 20th Century, a History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 111</td>
<td>History of the African-Americans to 1876</td>
<td>3</td>
</tr>
<tr>
<td>HIST 112</td>
<td>History of the African-Americans since 1876</td>
<td>3</td>
</tr>
<tr>
<td>HIST 120</td>
<td>British Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 130</td>
<td>Latin American Culture and Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 131</td>
<td>History of Latin America to 1825</td>
<td>3</td>
</tr>
<tr>
<td>HIST 132</td>
<td>History of Modern Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 139</td>
<td>History of California</td>
<td>3</td>
</tr>
<tr>
<td>HIST 140</td>
<td>History of the American West</td>
<td>3</td>
</tr>
<tr>
<td>HIST 145</td>
<td>History of Mexico</td>
<td>3</td>
</tr>
<tr>
<td>HIST 155</td>
<td>History of the Vietnam War</td>
<td>3</td>
</tr>
<tr>
<td>HIST 222</td>
<td>History of World War II</td>
<td>3</td>
</tr>
<tr>
<td>HUM 101</td>
<td>Humanities - Prehistory through the Medieval Period</td>
<td>3</td>
</tr>
<tr>
<td>HUM 101H</td>
<td>Humanities - Prehistory through the Medieval Period - Honors</td>
<td>3</td>
</tr>
<tr>
<td>HUM 102</td>
<td>Humanities from the Renaissance through the 19th Century</td>
<td>3</td>
</tr>
<tr>
<td>HUM 127</td>
<td>Spanish Civilization</td>
<td>3</td>
</tr>
<tr>
<td>POLI 103</td>
<td>American Government and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLI 103H</td>
<td>American Government and Politics - Honors</td>
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</tr>
<tr>
<td>POLI 116</td>
<td>International Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units 18 - 20**

**A.A.-Transfer Degree Level Student Learning Outcomes**

Students completing the History A.A.-Transfer Degree will:

1. Demonstrate an ability to write clearly and accurately about the historical process using an appropriate vocabulary.
2. Demonstrate critical and analytical thinking about historical themes to compare and contrast time periods or groups of people and their experiences.
3. Demonstrate a comprehension and appreciation of the connections, contributions, and experiences of various regions, ethnicities, races and genders in the creation of the modern world to develop a pluralistic perspective.
4. Demonstrate quantitative knowledge of important historical patterns, processes, developments, figures and events to comprehend the chronology of historical events and patterns and their impact on developing societies.

**Journalism**

**A. A. Transfer Degree**

The Associate in Arts in Journalism for transfer (AA-T) is intended for students who plan to transfer and complete a bachelor's degree in journalism, or a similar major such as Communications/Media Arts and marketing at a CSU campus or for entry-level positions in the news/information industry. Students completing the AA-T degree in journalism are guaranteed admission to the CSU system, but not necessarily to a particular CSU campus or major of their choice. Students should consult with a counselor for more information on university admission and transfer requirements as this AA-T in journalism may not be the best option for students intending to transfer to a particular CSU campus or to a college or university that is not part of the CSU system. Student journalists are encouraged to participate in campus media and internships as productivity is key to success in this rapidly evolving profession.

**To earn an AA-T in journalism, students must complete the following:**

1. Minimum of 60 CSU transferable semester units
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 transfer institutions and majors may require a higher GPA
3. Completion of 18-19 specified major units. All courses in the major must be completed with a grade of C or better
4. Certified completion of the California State University General Education-Breadth pattern or the Intersegmental General Education Transfer Curriculum (IGETC for CSU) pattern

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>COMM 100</td>
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<td>COMM 101</td>
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<tr>
<td>COMM 240A</td>
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**Select one (1) of the following:**

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<th>Course</th>
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<td>COMM 104</td>
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<td>COMM 250</td>
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**Select two (2) of the following:**

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<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>COMM 230</td>
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<td>MATH 165</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 110</td>
<td>3</td>
</tr>
<tr>
<td>PHTO 101</td>
<td>3</td>
</tr>
<tr>
<td>PHTO 202</td>
<td>3</td>
</tr>
<tr>
<td>POLI 103</td>
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<tr>
<td>PSY 103</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 103</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units 18 - 19**

**A.A.-Transfer Degree Level Student Learning Outcomes**

Students completing the Journalism A.A.-Transfer Degree will:

1. Understand and exercise of journalistic rights and responsibilities.
2. Understand the media, information, and their relation to society.

**Kinesiology**

**A. A. Transfer Degree**

The Associate in Arts in Kinesiology for Transfer (AA-T) program is designed to prepare students for CSU transfer to complete a bachelor’s degree in kinesiology, exercise science, physical education, pre-physical therapy, athletic training and other related allied health professions. Interested students may also pursue careers as personal trainers.
Students completing this degree, AA-T in Kinesiology, are guaranteed admission to the California State University system, although not necessarily to a particular campus or major of choice. Students should consult with a counselor for more information on university admission and transfer requirements as this AA-T in Kinesiology degree may not be the best option for students intending to transfer to a particular CSU campus or to a college or university that is not part of the CSU system.

To earn an Associate in Arts in Kinesiology for Transfer, students must complete the following:

1. Minimum completion of 60 CSU transferrable semester units
2. Minimum Grade Point Average (GPA) of at least 2.0 in all CSU-transferrable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA
3. Completion of 21-24 specified major units. All courses in the major must be completed with a grade of C or better (Title V 55063)
4. Certified completion of the California State University General Education - Breadth pattern or the Intersegmental General Education Transfer Curriculum (IGETC for CSU) pattern

Required core courses:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>BIOL 200</td>
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<td>BIOL 201</td>
<td>Human Physiology</td>
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<tr>
<td>KIN 100</td>
<td>Introduction to Kinesiology</td>
<td>3</td>
</tr>
</tbody>
</table>

Select three (3) of the following movement based courses with not more than one from each area:

Aquatics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>KIN 142</td>
<td>Swimming - Beginning</td>
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</tr>
<tr>
<td>KIN 143</td>
<td>Swimming - Intermediate/Advanced</td>
<td>1</td>
</tr>
<tr>
<td>KIN 147</td>
<td>Swimming for Cardiovascular Improvement</td>
<td>1</td>
</tr>
</tbody>
</table>

Combatives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 104</td>
<td>Self-Defense and Personal Safety</td>
<td>1</td>
</tr>
</tbody>
</table>

Team Sports

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 130</td>
<td>Basketball</td>
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</tr>
<tr>
<td>KIN 134</td>
<td>Softball</td>
<td>1</td>
</tr>
<tr>
<td>KIN 135</td>
<td>Volleyball</td>
<td>1</td>
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</tbody>
</table>

Fitness

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 151</td>
<td>Body Conditioning</td>
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<tr>
<td>KIN 152</td>
<td>Weight Training</td>
<td>1</td>
</tr>
<tr>
<td>KIN 153</td>
<td>Walking/Jogging</td>
<td>1</td>
</tr>
<tr>
<td>KIN 159</td>
<td>Cardiovascular Training</td>
<td>1</td>
</tr>
</tbody>
</table>

Individual Sports

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 101</td>
<td>Badminton</td>
<td>1</td>
</tr>
<tr>
<td>KIN 103</td>
<td>Golf</td>
<td>1</td>
</tr>
<tr>
<td>KIN 108</td>
<td>Tennis</td>
<td>1</td>
</tr>
<tr>
<td>KIN 116</td>
<td>Yoga</td>
<td>1</td>
</tr>
</tbody>
</table>

Dance

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DANC 161</td>
<td>Beginning Modern Dance</td>
<td>1</td>
</tr>
<tr>
<td>DANC 261</td>
<td>Intermediate Modern Dance I</td>
<td>1</td>
</tr>
</tbody>
</table>

Select two (2) of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 104</td>
<td>College Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>KIN 177</td>
<td>First Aid - Responding to Emergencies</td>
<td>3</td>
</tr>
<tr>
<td>MATH 165</td>
<td>Introductory Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 111</td>
<td>Physics for Life Sciences I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 201</td>
<td>Physics A: Mechanics</td>
<td>5</td>
</tr>
</tbody>
</table>

Total Units 21 - 25

A.A.-Transfer Degree Level Student Learning Outcomes

Students completing the Kinesiology A.A.-Transfer Degree will:

1. Exhibit awareness and identify the dimensions of wellness and recognize positive characteristics of each dimension to live a more healthy lifestyle.
2. Demonstrate competency in fundamental techniques to improve individual sport specific and movement skills.
3. Determine current level of fitness.

Mathematics

A.S. Transfer Degree

The purpose of this program is to prepare students for a career in mathematics. The problem solving skills taught in mathematics prepare students for a great number of job opportunities. A four-year degree could lead to employment in academics, a government agency, or an insurance agency. This major can also serve as a basis for careers in engineering, science, data processing, actuarial science, and dispensing opticians.

The degree prepares students for transfer into the junior year of a baccalaureate degree program in mathematics or related areas such as statistical or actuarial fields.
Students who complete this degree will be guaranteed admission with junior status to the California State University system, though not to a specific campus or major, and will be given priority admission to our local CSU campus.

Students receiving this transfer degree must meet the following requirements:
(1) 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) Major course work 18-19 semester units identified as core and elective courses by the program.
(2) Obtainment of a minimum grade point average of 2.0.

### Required core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 190</td>
<td>Calculus with Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 191</td>
<td>Calculus with Analytic Geometry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 210</td>
<td>Calculus with Analytic Geometry III</td>
<td>5</td>
</tr>
</tbody>
</table>

Select two (2) of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 211</td>
<td>Differential Equations</td>
<td>5</td>
</tr>
<tr>
<td>MATH 212</td>
<td>Introduction to Linear Algebra</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 201</td>
<td>Physics A: Mechanics</td>
<td>5</td>
</tr>
</tbody>
</table>

Total Units 23 - 24

### A.S.-Transfer Degree Level Student Learning Outcomes

Students completing the Mathematics A.S.-Transfer Degree will:
1. Develop an understanding of how to use proper vocabulary and notation when describing mathematical concepts, including the ability to read books and documents and extract quantitative information.
2. Develop appropriate computational skills including numeric calculation, evaluation of expressions, analysis of data, and application of concepts.
3. Develop an understanding of the physical world, which will include the formulation of analytical skills that will aid in the process of devising questions and proposing quantitative solutions.
4. Demonstrate computational skills and an understanding of mathematical reasoning that will increase self esteem and set each student on the path of lifelong learning.
5. Demonstrate competency at levels appropriate to a particular course, which will prepare students for the workforce, subsequent courses, and transfer to other educational institutions.

### Physics A.S. Transfer Degree

Physics, a natural science, is the scientific study of matter and energy and of the interaction between the two. This Associate Degree for Transfer in Physics provides students with an understanding of the physical world, both conceptually and in the language of mathematics. The degree prepares students for pre-professional careers and for curriculum at four year institutions leading to a baccalaureate degree in areas such as physics, astrophysics, geophysics, mathematics, and engineering.

Students who complete this degree will be guaranteed admission with junior status to the California State University system, and will be given priority admission to our local CSU campus.

This degree requires 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) The 27 semester units in the major preparation courses outlined below.

Students must obtain a minimum grade point average of 2.0 and a C or better in all of the major preparation courses. Students are not required to meet additional competency requirements beyond those listed above.

### Required core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 201</td>
<td>Physics A: Mechanics</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 202</td>
<td>Physics B: Thermodynamics</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 203</td>
<td>Physics C: Waves, Optics &amp; Modern Physics</td>
<td>5</td>
</tr>
<tr>
<td>MATH 190</td>
<td>Calculus with Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 191</td>
<td>Calculus with Analytic Geometry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 210</td>
<td>Calculus with Analytic Geometry III</td>
<td>5</td>
</tr>
</tbody>
</table>

Total Units 29
A.S.-Transfer Degree Level Student Learning Outcomes
Students completing the Physics A.S.-Transfer Degree will:
1. Understand and apply fundamental physics principles conceptually and mathematically using the appropriate computational skills.
2. Distinguish between scientific and non-scientific questions and methods by critically analyzing scientific information.
3. Develop problem-solving, decision-making, and critical thinking skills and apply them in order to develop an understanding of interactions in the physical world.
4. Think logically and coherently about technical/scientific issues in order to understand the complex problems involved in science and engineering and to gain an appreciation for the global social and political impact of scientific endeavors.
5. Adeptly use computers for word processing, data acquisition and analysis, and/or web-based research as appropriate for each course. For laboratory courses, students will demonstrate fundamental aptitudes in the proper use of mechanical, electrical and/or other appropriate devices.

Political Science
A.A. Transfer Degree
The goal of the Political Science Program at Citrus College is to prepare students to develop a fundamental understanding of the systematic study of theories, institutions, and processes related to the distribution of power and its use in the maintenance of order and promotion of equality and justice. The core courses in the political science major will introduce students to the fields in the discipline: Political Theory, which includes the study of major philosophic works related to power and politics; American Government, the study of institutions and linkage organizations that characterize government in the United States; Comparative Politics, which studies the political systems of other countries and exposure to the comparative method, and International Relations, which analyzes phenomena related to the interaction between sovereign states and other actors in the international system.

The Associate in Arts in Political Science for Transfer degree (AA-T) prepares students to continue their education at a four-year institution leading to a baccalaureate degree. Successful completion of the transfer degree in political science guarantees the student acceptance to a local California State University. Students who complete this degree may also seek to continue their education at the University of California or other baccalaureate degree granting institutions, although admission is not guaranteed.

The Associate in Arts in Political Science for Transfer degree requires the following:
(1) 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.
(2) Obtainment of a minimum grade point average of 2.0.

Required core courses: Units
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 103</td>
<td>American Government and Politics</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>POLI 103H American Government and Politics - Honors</td>
<td>3</td>
</tr>
<tr>
<td>POLI 105</td>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLI 108</td>
<td>Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>POLI 116</td>
<td>International Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two (2) of the following:
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 210</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>ANTH 210H Introduction to Cultural Anthropology-Honors</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>ECON 101H Principles of Macroeconomics-Honors</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 102</td>
<td>Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 103</td>
<td>History of World Civilization up to 1500</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>HIST 103H History of World Civilization up to 1500 - Honors</td>
<td>3</td>
</tr>
<tr>
<td>HIST 104</td>
<td>History of World Civilization since 1500</td>
<td>3</td>
</tr>
</tbody>
</table>
HIST 107  History of the United States before 1877  3  
or  
HIST 107H  History of the United States before 1877 - Honors  3  
HIST 108  History of the United States from 1877  3  
or  
HIST 108H  History of the United States from 1877 - Honors  3  
HIST 109  The World in Conflict - The 20th Century, a History  3  
HUM 101  Humanities - Prehistory through the Medieval Period  3  
or  
HUM 101H  Humanities - Prehistory through the Medieval Period–Honors  3  
HUM 102  Humanities from the Renaissance through the 19th Century  3  
HUM 110  Humanities in the 20th Century  3  
PHIL 106  Introduction to Philosophy  3  
or  
PHIL 106H  Introduction to Philosophy–Honors  3  
POLI 104  Introduction to Political Science  3  
Total Units 18

A.A.-Transfer Degree Level Student Learning Outcomes

Students completing the Political Science A.A.-Transfer Degree will:

1. Demonstrate an ability to write clearly and accurately about social scientific phenomena related to political science using collegiate level grammar, vocabulary, and logic.
2. Demonstrate an understanding of historical foundations, political institutions, and processes involved in the distribution and use of power in politics.
3. Demonstrate an understanding of the basic research methods, both qualitative and quantitative, used in the study of political science as preparation for upper-division work.

Psychology

A.A. Transfer Degree

Psychology is defined as the scientific study of behavior. The Associate in Arts in Psychology for Transfer degree program allows students to utilize research methods; evaluate the credibility of research, theories, and applications; understand the core fields, paradigms and theories; apply psychological concepts, theoretical perspectives, empirical findings, and historical trends to questions and issues in personal experience and contemporary society; recognize the complexity of social, cultural, and international diversity; and understand the ethical standards in academic and applied psychology.

This degree provides lower division preparation for students planning to transfer into psychology programs. Students will take courses in psychology as well as related fields required for psychology majors. Students who complete this degree will be guaranteed admission with junior status to the California State University system, though not to a particular campus or major, and will be given priority admission to our local CSU campus.

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) The major preparation courses outlines below. Students must obtain a minimum grade point average of 2.0 and a C or better in all courses required for the major.

Students are not required to meet additional competency requirements beyond those listed above.

Required core courses:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 165</td>
<td>Introductory Statistics</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 165H</td>
<td>Introductory Statistics - Honors</td>
<td>4</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 101H</td>
<td>Introduction to Psychology-Honors</td>
<td>3</td>
</tr>
<tr>
<td>PSY 203</td>
<td>Research Methods in Psychology</td>
<td>4</td>
</tr>
</tbody>
</table>
Select one (1) of the following:
BIOL 105 General Biology 4
PSY 102 Psychobiology 3

Select one (1) of the following:
PSY 205 Developmental Psychology 3
PSY 206 Child Growth and Development 3

Select one (1) of the following:
ANTH 210 Introduction to Cultural Anthropology 3
ANTH 210H Introduction to Cultural Anthropology-Honors 3
ANTH 212 Introduction to Physical Anthropology 3
MATH 190 Calculus with Analytic Geometry I 4
PSY 110 Psychology of Religion I 3
PSY 212 Behavioral Disorders 3
PSY 213 Survey of Drug and Alcohol Use and Abuse 3
PSY 220 Introduction to Social Psychology 3
PSY 225 Psychology of Human Sexuality 3
PSY 226 Psychology of Women 3
SOC 201 Introduction to Sociology 3
SOC 201H Introduction to Sociology– Honors 3

Total Units 19 - 22

A.A.-Transfer Degree Level Student Learning Outcomes
Students completing the Psychology A.A.-Transfer Degree will:
1. Demonstrate analytical and critical analysis skills using college level vocabulary and writing skills.
2. Demonstrate proficiency in analyzing or manipulating numerical data in order to critique scientific study.
3. Analyze a variety of behavioral science research designs.
4. Demonstrate analytical thinking by comparing and applying psychological theories to human behavior.

Sociology
A.A. Transfer Degree
This Associate in Arts in Sociology for Transfer degree provides lower division preparation for students planning to transfer into sociology programs. Students will take courses in sociology as well as related fields required for sociology majors. Students who complete this degree will be guaranteed admission with junior status to the California State University system, though not to a particular campus or major, and will be given priority admission to our local CSU campus.

In addition to helping students meet general education and core requirements for transfer to an upper-level sociology program, these courses are designed to help students understand the structure, processes, and functions of society, the key theoretical approaches and insights that inform sociology, and the role of social theory and research methods in understanding society. Further, the program seeks to foster critical and systemic thinking and increase self-knowledge and awareness of the diversity of the human condition.

This degree requires 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) The major preparation courses outlined below. Students must obtain a minimum grade point average of 2.0 and a C or better in all courses required for the major.

Students are not required to meet additional competency requirements beyond those listed above.

Required core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 201</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201H</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two (2) of the following:

MATH 165 Introductory Statistics 4
MATH 165H Introductory Statistics-Honors 4
PSY 203 Research Methods in Psychology 4
SOC 202 Contemporary Social Problems 3

Select two (2) of the following and/or any of the previous not already used:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 216</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 216H</td>
<td>3</td>
</tr>
<tr>
<td>SOC 216</td>
<td>3</td>
</tr>
<tr>
<td>PSY 220</td>
<td>3</td>
</tr>
<tr>
<td>SOC 114</td>
<td>3</td>
</tr>
<tr>
<td>SOC 118</td>
<td>3</td>
</tr>
<tr>
<td>SOC 220</td>
<td>3</td>
</tr>
</tbody>
</table>
Select one (1) of the following and/or any of the previous not already used:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 210</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 210H</td>
<td>Introduction to Cultural Anthropology– Honors</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 212</td>
<td>Introduction to Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>Composition and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103H</td>
<td>Composition and Critical Thinking– Honors</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 110</td>
<td>Philosophy/Logic</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units 18 - 20

A.A.-Transfer Degree Level Student Learning Outcomes

Students completing the Sociology A.A.-Transfer Degree will:

1. Communicate knowledge of sociological theory and social research in order to better understand and explain the social world.
2. Identify the structure of groups, organizations, and societies.
3. Employ sociological concepts to examine society in everyday life.
4. Be prepared for transfer.

Spanish A.A. Transfer Degree

The Associate of Arts in Spanish for Transfer provides transfer majors with a strong foundation not only in the four basic language skills (listening comprehension, reading comprehension, speaking and writing), but also in the civilizations and cultures of Spain and Latin America. The degree emphasizes the acquisition of communicative competence and the development of intercultural awareness, appreciation and understanding. Additionally, the Spanish courses align well with preparation for transfer majors in related fields such as liberal arts, language arts and linguistics, and complement majors in international relations, political science, business, education, sociology and other areas of study at UC, CSU, and private colleges and universities.

The Associate in Arts for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including the required major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of “C” or better. (Students completing this degree are not required to fulfill the Citrus College local graduation requirements of Kinesiology/Dance.)

Required core courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 101</td>
<td>Spanish I</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 102</td>
<td>Spanish II</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 201</td>
<td>Spanish III</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 202</td>
<td>Spanish IV</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 210</td>
<td>Intermediate Spanish for Speakers of Spanish</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 211</td>
<td>Reading and Composition for Speakers of Spanish II</td>
<td>5</td>
</tr>
</tbody>
</table>

Note: If a student places out of any required course and is not awarded units for that course, the student will have to take additional units to compensate for the course/units needed to reach at least 18 total units in the major (per Title 5 regulations). Appropriate course substitutions may be from List A or the courses listed below. Any other course substitution must be approved by the Spanish faculty of World Languages.

List A: Select one course (3-4 units) from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 101</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>ACCT 101H</td>
<td>Financial Accounting - Honors</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 271</td>
<td>Introduction to World Literature: Ancient - Early Modern</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 272</td>
<td>Introduction to World Literature: 1600's through Twentieth Century</td>
<td>3</td>
</tr>
<tr>
<td>HIST 130</td>
<td>Latin American Culture and Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 131</td>
<td>History of Latin America to 1825</td>
<td>3</td>
</tr>
<tr>
<td>HIST 132</td>
<td>History of Modern Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 145</td>
<td>History of Mexico</td>
<td>3</td>
</tr>
<tr>
<td>HUM 127</td>
<td>Spanish Civilization</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 127</td>
<td>Spanish Civilization</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 100</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional Course Substitutions:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 210</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 210H</td>
<td>Introduction to Cultural Anthropology – Honors</td>
<td>3</td>
</tr>
<tr>
<td>ETHN 116</td>
<td>Introduction to Chicano Studies</td>
<td>3</td>
</tr>
<tr>
<td>SOC 118</td>
<td>Minorities in America</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>
SOC 201H  Introduction to Sociology - Honors  3

Total Units 23-24

A.A.-Transfer Degree Level Student Learning Outcomes
Students completing the Spanish A.A.-Transfer Degree will:
1. Communicate orally and in writing in Spanish in real life situations.
2. Read and comprehend Spanish at levels commensurate with those of students seeking an AA degree in Spanish.

Studio Arts
A.A. Transfer Degree
New degree, pending Chancellor's Office approval

Theatre Arts
A.A. Transfer Degree
The discipline of theatre arts includes theoretical and practical courses in all aspects of theatre, providing preparation in acting, directing, and technical theatre through productions. The degree program allows for a course of study that expands and increases creativity. It is a meaningful journey of personal discovery and self-expansion. It connects the study of script analysis to creating complex characters or theatrical designs. In addition, a solid foundation of fundamental skills learned through a variety of performance as well as technical theatre courses will help the student build confidence and emphasize the importance of responsibility, dedication, collaboration and commitment.

This degree provides lower division preparation for students planning to transfer into Theatre Arts programs. Students who complete this degree will be guaranteed admission with junior status to the California State University system, though not to a particular campus or major, and will be given priority admission to our local CSU campus.

The degree requires 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) The major preparation courses outlined below. Students must obtain a minimum grade point average of 2.0 and a C or better in all courses required for the major.

Students are not required to meet additional competency requirements beyond those listed above.

Required core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 101</td>
<td>Introduction to Theatre Arts</td>
<td>3</td>
</tr>
<tr>
<td>THEA 201</td>
<td>Stage Acting I - Beginning</td>
<td>3</td>
</tr>
<tr>
<td>THEA 125</td>
<td>Technical Theatre Production</td>
<td>3</td>
</tr>
<tr>
<td>THEA 210</td>
<td>Rehearsal and Performance in Production</td>
<td>3</td>
</tr>
</tbody>
</table>

Select nine (9) units from the following courses, three (3) units of which may be selected from the core courses not selected above:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 120</td>
<td>Introduction to Tech for Theatre, TV and Film</td>
<td>3</td>
</tr>
<tr>
<td>THEA 122</td>
<td>Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THEA 125</td>
<td>Technical Theatre Production</td>
<td>3</td>
</tr>
<tr>
<td>THEA 140</td>
<td>Introduction to Lighting for Theatre, Television and Film</td>
<td>3</td>
</tr>
<tr>
<td>THEA 200</td>
<td>The Art of the Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 202</td>
<td>Stage Acting II-Intermediate</td>
<td>3</td>
</tr>
<tr>
<td>THEA 210</td>
<td>Rehearsal and Performance in Production</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units 18
A.A.-Transfer Degree Level Student Learning Outcomes

Students completing the Theatre Arts A.A.-Transfer Degree will:
1. Demonstrate acting techniques in a performance setting.
2. Exhibit fundamental knowledge of play structure and analysis.
3. Demonstrate a fundamental knowledge in core theatre elements, including acting, technical theatre, and theatre history.

Associate Degrees (A.A. and A.S.)

Administration of Justice
A.S. Degree
Modified degree, pending Chancellor's Office approval.

Automotive Technology
A.A. Degree
This program is designed to prepare students who wish to seek employment in the automotive technology industry or qualify for a more responsible position within the field.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

<table>
<thead>
<tr>
<th>Required core courses:</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 151 Engine Service, Diagnosis and Repair</td>
<td>6</td>
</tr>
<tr>
<td>AUTO 154 Chassis Service, Diagnosis, and Repair</td>
<td>8</td>
</tr>
<tr>
<td>AUTO 156 Automotive Electrical/Electronic Systems I</td>
<td>5</td>
</tr>
<tr>
<td>AUTO 162 Drivetrain Service, Diagnosis and Repair</td>
<td>8</td>
</tr>
<tr>
<td>AUTO 166 Automotive Electrical/Electronic Systems II</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 167 Automotive HVAC Service, Diagnosis &amp; Repair</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 168 Engine Control Systems Service, Diagnosis and Repair</td>
<td>8</td>
</tr>
</tbody>
</table>

Select 4 units of the following cooperative education courses:

| AUTO 230A Automotive Service and Repair Work Experience A | 1 |
| AUTO 230B Automotive Service and Repair Work Experience B | 2 |
| AUTO 230C Automotive Service and Repair Work Experience C | 3 |
| AUTO 230D Automotive Service and Repair Work Experience D | 4 |
**Total Units 45**

A.S. Degree Level Student Learning Outcomes

Students completing the Automotive Technology A.S. Degree will:
1. Acquire skills pertinent to industry level national certification exams in the automotive technology industry.
2. Exit the program with a personal/professional commitment to uphold the high standards and uplift the integrity of the automotive technology industry.
3. Utilize knowledge acquired in the Automotive Technology Program to maximize employment potential in the industry through successful completion of course level outcomes.

Biological Sciences
A.S. Degree
The associate degree in biological science prepares students for a curriculum in a four-year institution leading to a baccalaureate degree in such areas as microbiology, organismal biology, cell and molecular biology, and teaching.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

<table>
<thead>
<tr>
<th>Required core courses:</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 124 Principles of Biology I</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 125 Principles of Biology II</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 111 General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 112 General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>MATH 190 Calculus with Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 165 Introductory Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MATH 191 Calculus with Analytic Geometry II</td>
<td>4</td>
</tr>
</tbody>
</table>
**Total Units 28**
A.S. Degree Level Student Learning Outcomes

Students completing the Biological Sciences A.S. Degree will:

1. Demonstrate an understanding of biological concepts.
2. Acquire scientific information from multiple sources including textbooks, the Internet, personal communication with professionals in the field, and educational computer software.
3. Estimate and/or calculate the characteristics of biological systems and demonstrate an understanding of these calculations in order to better understand the natural processes that produce these characteristics.
4. Formulate scientific hypotheses in order to distinguish between scientific and non-scientific questions and methods.
5. Develop an understanding of relevant biological processes as well as processes from related sciences (e.g. physics, geology, chemistry) and apply these processes to predict the properties of biological systems.
6. Examine how human activity has contributed to positive and negative changes in the environment to better understand and discuss past, current, and future environmental issues.

Business
A.S. Degree
Modified degree, pending Chancellor’s Office approval.

Child Development
A.S. Degree
The curriculum leads to an Associate in Science degree and meets the educational requirements for employment as a teacher or assistant teacher in preschools and children's centers.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

<table>
<thead>
<tr>
<th>Three (3) units of Child Development:</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHLD 110 Early Childhood Development</td>
</tr>
<tr>
<td>or</td>
</tr>
<tr>
<td>PSY 206 Child Growth and Development</td>
</tr>
</tbody>
</table>

Required core courses:

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHLD 112 Principles of Early Childhood Education</td>
</tr>
<tr>
<td>CHLD 114 Home-Child-Community Relations</td>
</tr>
<tr>
<td>CHLD 116 Introduction to Curriculum</td>
</tr>
<tr>
<td>CHLD 144 Health, Safety and Nutrition for Young Children</td>
</tr>
<tr>
<td>CHLD 150 Multi-Culture Anti-Bias Classrooms</td>
</tr>
<tr>
<td>CHLD 154 Observing and Recording Behavior</td>
</tr>
</tbody>
</table>

Practicum (Fieldwork) course & lab:

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHLD 156 Practicum in Early Childhood Education</td>
</tr>
<tr>
<td>CHLD 156L Practicum Lab</td>
</tr>
</tbody>
</table>

Total Units 24

A.S. Degree Level Student Learning Outcomes

Students completing the Child Development A.S. degree will:

1. Demonstrate the ability to identify, analyze, and apply theories of early childhood education and child development.
2. Demonstrate global consciousness as they work with diverse cultures, families, and individuals and teach children.
3. Acquire knowledge and foundational skills necessary to work in the teaching profession.
4. Apply effective guidance and teaching strategies that support social growth, learning, identity development and promote self-confidence.
5. Design, implement and evaluate environments and activities that support positive, developmental play and learning outcomes for children.
6. Apply ethical standards and professional behaviors that demonstrate an understanding and a knowledge, and a deepening commitment to the child development profession and early childhood education.

Correctional Science
A.S. Degree
New degree, pending Chancellor’s Office approval
Cosmetology
A.S. Degree
The Cosmetology Program of Study leads to an Associate of Science degree. This degree requires the successful completion of 56.5 units of coursework. Completion of this degree will also prepare students to be eligible to take the State Board of Cosmetology examination, earn a certificate and become a licensed cosmetologist.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COS 141</td>
<td>11</td>
</tr>
<tr>
<td>COS 151</td>
<td>4.5</td>
</tr>
<tr>
<td>COS 161</td>
<td>8</td>
</tr>
<tr>
<td>COS 181</td>
<td>8</td>
</tr>
<tr>
<td>COS 185</td>
<td>9</td>
</tr>
<tr>
<td>COS 191</td>
<td>8</td>
</tr>
<tr>
<td>COS 201</td>
<td>8</td>
</tr>
</tbody>
</table>

**Total Units 56.5**

A.S. Degree Level Student Learning Outcomes
Students completing the Cosmetology A.S. degree will:
1. Be prepared to pass the State Board Exam and acquire California State licensure.
2. Be successfully trained in the study of:
   - haircutting, haircoloring, chemical training, skin/nails, hairstyling and salon success. This program prepares students for professional employment.

Criminal Justice
A.S. Degree
Modified degree (was Administration of Justice), pending Chancellor’s Office approval

Dance
A.A. Degree
This degree provides students with a foundational dance background, encompassing a strong emphasis in various dance techniques as well as history, basic kinesiology and a performance practicum.

Note that all courses listed must be successfully completed.

Dental Assisting
A.S. Degree
The Dental Assisting Program prepares students for the California State Registered Dental Assistant Examination. This program is accredited by the American Dental Association Commission on Accreditation and the California State Board of Dental Examiners. Upon completion, the graduate is eligible to sit for the California State Registered Dental Assistant Examination and the National Certification Examination.
This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DENT 100</td>
<td>Dental Assisting Basics</td>
<td>2.5</td>
</tr>
<tr>
<td>DENT 101</td>
<td>Chairside Assisting</td>
<td>3</td>
</tr>
<tr>
<td>DENT 102</td>
<td>Dental Materials</td>
<td>2.5</td>
</tr>
<tr>
<td>DENT 121</td>
<td>Preclinical Dental Science</td>
<td>2</td>
</tr>
<tr>
<td>DENT 122</td>
<td>Infection Control in the Dental Office</td>
<td>1.5</td>
</tr>
<tr>
<td>DENT 123</td>
<td>Preventive Dental Health</td>
<td>2</td>
</tr>
<tr>
<td>DENT 124</td>
<td>Dental Specialties</td>
<td>2</td>
</tr>
<tr>
<td>DENT 125</td>
<td>Dental Practice Management</td>
<td>2</td>
</tr>
<tr>
<td>DENT 201</td>
<td>Dental Radiology</td>
<td>2</td>
</tr>
<tr>
<td>DENT 202</td>
<td>Registered Dental Assistant</td>
<td>4</td>
</tr>
<tr>
<td>DENT 203</td>
<td>Dental Practical Experience</td>
<td>5.5</td>
</tr>
<tr>
<td>DENT 204</td>
<td>RDA Clinical Procedures</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total Units 30**

**A.S. Degree Level Student Learning Outcomes**

Students completing the Dental Assisting A.S. degree will:

1. Use correct dental terminology and nomenclature in the correct context in order to effectively communicate dental information and concepts to others.
2. Develop problem-solving and self-assessment skills and make appropriate decisions regarding a variety of procedural situations.
3. Demonstrate the ability to interact with patients and work effectively as a member of the dental team.
4. Maintain the standard of care during dental treatment and promote oral health.
5. Develop the ability to use and adapt to current technology used in dental practices.
6. Demonstrate proficiency in the current duties of an RDA, practicing within the delegated duties (scope of practice).
7. Develop foundational knowledge of dental procedures and the ability to communicate and apply their concepts and principles.

**Digital and Web Design**

**A.S. Degree**

This program prepares students for employment in digital design careers. The integration of traditional art/design and digital media prepares students for employment opportunities in the areas of advertising, multi-media and marketing graphics.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 111</td>
<td>Beginning Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 120</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 150</td>
<td>Computer Art Basics</td>
<td>3</td>
</tr>
<tr>
<td>ART 162</td>
<td>Computer Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>ART 167</td>
<td>Web Design I</td>
<td>3</td>
</tr>
<tr>
<td>ART 189</td>
<td>Art Portfolio and Resume Production</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select two (2) of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 153</td>
<td>Digital Media Production I</td>
<td>3</td>
</tr>
<tr>
<td>ART 158</td>
<td>Commercial Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 163</td>
<td>Computer Graphics II</td>
<td>3</td>
</tr>
<tr>
<td>ART 168</td>
<td>Animation I</td>
<td>3</td>
</tr>
<tr>
<td>ART 253</td>
<td>Digital Media Production II</td>
<td>3</td>
</tr>
<tr>
<td>ART 267</td>
<td>Web Design II</td>
<td>3</td>
</tr>
<tr>
<td>ART 268</td>
<td>Animation II</td>
<td>3</td>
</tr>
<tr>
<td>PHTO 101</td>
<td>Basic Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHTO 102</td>
<td>Intermediate Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHTO 215</td>
<td>Digital Photographic Imaging</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units 24**

**A.S. Degree Level Student Learning Outcomes**

Students completing the Digital and Web Design A.S. Degree will:

1. Demonstrate a knowledge of computer operating systems.
2. Demonstrate a knowledge of digital file formats.
3. Demonstrate a knowledge of web page layout and build fundamentally sound web pages and sites.
4. Demonstrate a knowledge and understanding of basic HTML.
5. Demonstrate a knowledge and understanding of basic Photoshop techniques.
6. Demonstrate a knowledge and understanding of basic Illustrator techniques.
7. Demonstrate a knowledge and understanding of basic Dreamweaver techniques.
8. Demonstrate a knowledge and understanding of basic InDesign and Quark techniques.
9. Develop and build a comprehensive portfolio representing the body of work completed in the program.
Drafting and Design Technology
A.S. Degree
Modified degree, pending Chancellor’s Office approval.

Emergency Management and Homeland Security
A.S. Degree
The Associate in Science degree program will provide both students and currently working emergency managers the required courses and learning domains to apply for employment with emergency management agencies, such as the local city and county governments in California and non-profit organizations such as the American Red Cross, and federal agencies such as the Department of Homeland Security (FEMA). Additionally, those currently working in the field will have a recognized degree.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

- **Required core courses:**
  - EMER 162 Principles of Emergency Management 3
  - EMER 163 Terrorism and Emergency Management 3
  - EMER 164 Managing Hazardous Materials Incidents 3
  - EMER 166 Emergency Planning and Methodology 3
  - EMER 167 Practical Applications of Emergency Management 3

- **Select at least seven (7) units from the following:**
  - EMER 168 Emergency Operations Center (EOC) Management 3
  - ESCI 180 Introduction to Geographic Information Systems 4
  - HEAL 161 Emergency Medical Technician-Basic 7

**Total Units 22**

A.S. Degree Level Student Learning Outcomes
Students completing the Emergency Management and Homeland Security A.S. Degree will:
1. Express and understanding of the human physical consequences of natural and technological disasters and how to mitigate them.
2. Explain and apply state and local regulations related to emergency management.
3. Be familiar with the range of technologies used in emergency management.
4. Critically analyze emergency management plans and procedures.

English Literature
A.A. Degree
The Associate in Arts Degree in English Literature provides students with a strong foundation in literature to better prepare them for transfer into a four-year English program. Core course work explores primarily British and American writers through an array of literary traditions, providing opportunities for students to express their understanding and appreciation of the literary world through analysis, research and composition. This degree requires 18 units, of which 12 are required courses. An additional six units must be selected from the listed optional courses.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

- **Required core courses:**
  - ENGL 101 Reading and Composition 3
  - or
  - ENGL 101H Reading and Composition - Honors 3
  - ENGL 103 Composition and Critical Thinking 3
  - or
  - ENGL 103H Composition and Critical Thinking Honors 3
  - ENGL 104 Advanced Rhetoric: The Classical Essay 3
  - ENGL 251 Introduction to English Literature I 3
  - or
  - ENGL 252 Introduction to English Literature II 3
ENGL 261  Introduction to U.S. American Literature I  3
or
ENGL 262  Introduction to U.S. American Literature II  3

Select two (2) of the following:
ENGL 213H  Horror Literature - Honors  3
ENGL 216  American Latino Literature  3
ENGL 251  Introduction to English Literature I  3
ENGL 252  Introduction to English Literature II  3
ENGL 261  Introduction to U.S. American Literature I  3
ENGL 262  Introduction to U.S. American Literature II  3
ENGL 271  Introduction to World Literature: Ancient - Early Modern  3
ENGL 272  Introduction to World Literature: 1600’s through Twentieth Century  3
ENGL 291  Film as Literature  3
or
ENGL 291H  Film as Literature - Honors  3
ENGL 293  Children’s Literature  3
or
ENGL 293H  Children’s Literature - Honors  3
ENGL 294  Introduction to Shakespeare  3
ENGL 298  Literature of the Bible  3

Total Units 18

6. Demonstrate cultural awareness, personal responsibility, and ethical behavior in evaluating and writing about literature.

Fine Arts
A.A. Degree
Modified degree (was Fine and Performing Arts), pending Chancellor’s Office approval

Kinesiology
A.S. Degree
Kinesiology studies human anatomy and physiology and the mechanics of body movement both theoretically and in practice through physical activities. A diverse curriculum includes lower division theory courses designed for those who want to complete an Associate Degree in Science in Kinesiology and meet transfer requirements. There is also a basic instructional program with a wide variety of movement experiences for the development of physical activity skills and the knowledge necessary for lifetime wellness.

An intercollegiate athletics program offers performance oriented students opportunities for competition. Kinesiology also offers adapted activities curriculum for students with disabilities.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Select twelve (12) to eighteen (18) units from the following core courses:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 169</td>
<td>Introduction to Coaching</td>
<td>3</td>
</tr>
<tr>
<td>KIN 170</td>
<td>Fitness for Life</td>
<td>3</td>
</tr>
<tr>
<td>KIN 171</td>
<td>Health Science</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KIN 171H</td>
<td>Health Science - Honors</td>
<td>3</td>
</tr>
<tr>
<td>KIN 100</td>
<td>Introduction to Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KIN 172</td>
<td>Introduction to Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>KIN 173</td>
<td>Nutrition for Fitness</td>
<td>3</td>
</tr>
<tr>
<td>KIN 174</td>
<td>Introduction to Team Sports</td>
<td>3</td>
</tr>
</tbody>
</table>
KIN 175  Introduction to Individual and Dual Sports  3
KIN 176  Elementary School Physical Education  3
KIN 177  First Aid - Responding to Emergencies  3
KIN 182  Care and Prevention of Athletic Injuries  3

May select two (2) to six (6) units from the following courses:

Theory Courses
KIN 185  Softball Theory  2
KIN 186  Baseball Theory  2
KIN 188  Basketball Theory  2
KIN 192  Aquatic Theory and Techniques  2

Varsity Sport Courses
KINC 209  Women's Varsity Soccer  3
KINC 211  Women's Varsity Volleyball  3
KINC 212  Varsity Swimming  2
KINC 213  Women's Varsity Basketball  2
KINC 214  Women's Varsity Softball  2
KINC 215  Varsity Track and Field  2
KINC 216  Varsity Cross Country  3
KINC 220  Men's Varsity Football  3
KINC 221  Men's Varsity Basketball  2
KINC 224  Men's Varsity Baseball  2
KINC 225  Men's Varsity Golf  2
KINC 227  Women's Varsity Golf  2
KINC 229  Men's Varsity Water Polo  2
KINC 230  Women's Varsity Water Polo  2
KINC 231  Men's Varsity Soccer  2
KINC 232  Intercollegiate Basketball for Men  1
KINC 233  Intercollegiate Basketball for Women  1
KINC 234  Intercollegiate Softball  1
KINC 235  Intercollegiate Baseball  1
KINC 236  Intercollegiate Swimming  1

Biological Science
BIOL 200  Human Anatomy  4
BIOL 201  Human Physiology  4

Total Units 18

2. Demonstrate competency in fundamental techniques to improve individual sport specific skills.
3. Determine current level of fitness as measured by one or more of the following tests: resting heart rate, blood pressure, sit and reach flexibility, skin fold measurements, muscular endurance tests, and cardiovascular sub-maximal test.

Language Arts
A.A. Degree
Courses in language arts develop the principles and applications of language toward logical thought, clear and precise expression and critical evaluation of communication in whatever symbol system the student uses.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of “C” and above) of the following major requirements:

First Core (3 units) - choose one (1) of the following:
COMM 100  Mass Media and Society  3
SPCH 100  Interpersonal Communication  3
SPCH 101  Public Address  3
SPCH 101H  Public Address - Honors  3

Second Core (3 units) - choose one (1) of the following:
ENGL 101  Reading and Composition  3
ESL 101  Reading and Composition  3
ENGL 101H  Reading and Composition - Honors  3

Third Core (5 units) - choose one (1) of the following:
SPAN 101  Spanish I  5
SPAN 102  Spanish II  5
SPAN 201  Spanish III  5
SPAN 202  Spanish IV  5
SPAN 210  Intermediate Spanish for Speakers of Spanish  5
SPAN 211  Reading and Composition for Speakers of Spanish II  5
GER 101  German I  5
GER 102  German II  5
CHIN 101  Chinese I  5
CHIN 102  Chinese II  5
FREN 101  French I  5

A.S. Degree Level Student Learning Outcomes
Students completing the Kinesiology A.S. Degree will:
1. Identify the dimensions of wellness and recognize positive characteristics of each dimension in order to live a more healthy lifestyle.
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 102</td>
<td>French II</td>
<td>5</td>
</tr>
<tr>
<td>JPN 101</td>
<td>Japanese I</td>
<td>5</td>
</tr>
<tr>
<td>JPN 102</td>
<td>Japanese II</td>
<td>5</td>
</tr>
</tbody>
</table>

**Select seven (7) units from the following:**

**Chinese**
- CHIN 101 Chinese I 5
- CHIN 102 Chinese II 5

**Communications**
- COMM 100 Mass Media and Society 3
- COMM 101 Reporting and Writing News 3
- COMM 103 Freelance Journalism 1
- COMM 104 Public Relations 3
- COMM 136 Cultural History of American Films 3
- COMM 200 Visual Communications 3
- COMM 230 Desktop Publishing 3
- COMM 240A Newspaper Production: Beginning Staff 3
- COMM 240B Multimedia Newsroom: Intermediate Staff 3
- COMM 240C Multimedia Newsroom: Senior Staff 3
- COMM 240D Multimedia Newsroom: Staff Leadership 3
- COMM 245A Editorial Board 2
- COMM 250 Multimedia Reporting 3

**English**
- ENGL 102 Introduction to Literature 3
- ENGL 103 Composition and Critical Thinking 3
- ENGL 103H Composition and Critical Thinking - Honors 3
- ENGL 104 Argumentative Writing and Critical Thinking 3
- ENGL 120 Introduction to Women's Literature 3
- ENGL 210 Creative Writing I 3
- ENGL 213 Horror Literature 3
- ENGL 213H Horror Literature - Honors 3
- ENGL 216 American Latino Literature 3
- ENGL 251 Introduction to English Literature I 3
- ENGL 252 Introduction to English Literature II 3
- ENGL 261 Introduction to U.S. American Literature I 3
- ENGL 262 Introduction to U.S. American Literature II 3
- ENGL 271 Introduction to World Literature: Ancient - Early Modern 3
- ENGL 272 Introduction to World Literature: 1600's through Twentieth Century 3
- ENGL 291 Film as Literature 3
- ENGL 291H Film as Literature - Honors 3
- ENGL 293 Children's Literature 3
- ENGL 293H Children's Literature - Honors 3
- ENGL 294 Introduction to Shakespeare 3
- ENGL 296 Introduction to Folklore 3
- ENGL 298 Literature of the Bible 3

**French**
- FREN 101 French I 5
- FREN 102 French II 5

**German**
- GER 101 German I 5
- GER 102 German II 5
- GER 201 German III 5
- GER 202 German IV 5

**Japanese**
- JPN 101 Japanese I 5
- JPN 102 Japanese II 5

**Spanish**
- SPAN 101 Spanish I 5
- SPAN 102 Spanish II 5
- SPAN 127 Spanish Civilization 3
- SPAN 141 Intermediate Conversational Spanish 3
- SPAN 201 Spanish III 5
- SPAN 202 Spanish IV 5
- SPAN 210 Intermediate Spanish for Speakers of Spanish 5
- SPAN 211 Reading and Composition for Speakers of Spanish II 5

**Speech**
- SPCH 100 Interpersonal Communication 3
- SPCH 101 Public Address 3
- SPCH 101H Public Address - Honors 3
SPCH 103 Argumentation and Debate 3
SPCH 106 Small Group Communication 3

May select one (1) of the following:
HUM 101 Humanities - Prehistory through the Medieval Period 3
HUM 101H Humanities - Prehistory through the Medieval Period - Honors 3
HUM 102 Humanities from the Renaissance through the 19th Century 3
HUM 110 Humanities in the 20th Century 3

Total Units 18

A.A. Degree Level Student Learning Outcomes
Students completing the Language Arts A.A. Degree will:
1. Demonstrate college-level critical interpretation, analysis, and synthesis of written material and media messages that reflect multicultural perspectives.
2. Demonstrate college-level informed, thoughtful, effective written, oral, and visual expression in English or other languages.
3. Demonstrate college-level development of cultural appreciation through literature in English and other languages.
4. Demonstrate college-level respect for diverse perspectives and demonstration of cultural awareness, personal responsibility, and ethical behavior within a diverse society.

Liberal Arts: Emphasis in Humanities A.A. Degree
Modified degree (was Liberal Arts: Arts and Humanities), pending Chancellor’s Office approval

Medium and Heavy Diesel Truck Technology A.S. Degree
Prepares students for occupations in diesel engine technology, bus service and repair, medium and heavy truck service and repair, rail service occupations and/or provides an opportunity for advancement within these occupations. Employment is available in both the public and private sectors.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Required core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 101</td>
<td>Fundamentals of Automotive Service, Diagnosis and Repair</td>
<td>5</td>
</tr>
<tr>
<td>AUTO 149</td>
<td>Diesel Engine Management Systems</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 156</td>
<td>Automotive Electrical/Electronic Systems I</td>
<td>5</td>
</tr>
<tr>
<td>AUTO 167</td>
<td>Automotive HVAC Service, Diagnosis &amp; Repair</td>
<td>3</td>
</tr>
<tr>
<td>MTRK 151</td>
<td>Medium and Heavy Truck Engines Service, Diagnosis, and Repair</td>
<td>5</td>
</tr>
<tr>
<td>MTRK 152</td>
<td>Medium and Heavy Truck Drivetrain Service, Diagnosis, and Repair</td>
<td>5</td>
</tr>
<tr>
<td>MTRK 154</td>
<td>Medium and Heavy Truck Chassis Service, Diagnosis, and Repair</td>
<td>5</td>
</tr>
</tbody>
</table>

Total Units 32

A.S. Degree Level Student Learning Outcomes
Students completing the Medium and Heavy Diesel Truck Technology A.S. Degree will:
1. Given a performance complaint by the operator: verify the operator’s complaint; diagnose the failure or find the vehicle operating as designed; estimate the labor and parts cost; and make a clear needs/recommendations statement on the repair order citing both complaint and cause. In addition, once the student receives authorization, the student will service and/or repair the vehicle to industry standards, verify the repair has corrected the operator’s complaint and document the remedy.
Music A.A. Degree

This degree provides students with a foundational musical background, including music theory, history, rudimentary piano competency, performance and techniques/application.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

<table>
<thead>
<tr>
<th>Select one (1) musicianship and one (1) harmony course from the following:</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSE 101 Musicianship I</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 103 Musicianship II</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 201 Musicianship III</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 203 Musicianship IV</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 102 Harmony I</td>
<td>3</td>
</tr>
<tr>
<td>MUSE 104 Harmony II</td>
<td>3</td>
</tr>
<tr>
<td>MUSE 202 Harmony III</td>
<td>3</td>
</tr>
<tr>
<td>MUSE 204 Harmony IV</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select one (1) course from the following music history courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSE 109 Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUSE 110 History of Music I</td>
<td>3</td>
</tr>
<tr>
<td>MUSE 111 History of Music II</td>
<td>3</td>
</tr>
<tr>
<td>MUSE 112 History of Jazz</td>
<td>3</td>
</tr>
<tr>
<td>MUSE 113 History of Rock and Roll</td>
<td>3</td>
</tr>
<tr>
<td>MUSE 114 Introduction to American Music</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select one (1) course from the following piano courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSE 120 Elementary Piano I</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 121 Elementary Piano II</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 220 Intermediate Piano I</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 221 Intermediate Piano II</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 222 Advanced Piano I</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 223 Advanced Piano II</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 224 Keyboard Skills for the Music Major</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select at least two (2) units from the following techniques/application courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 100 Styles, Technique, and the Soul of Popular Singing</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 140 Jazz Improvisation I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 141 Jazz Improvisation II</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 142 Jazz Combos I</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 143 Jazz Combos II</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 151 Songwriting I</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 152 Songwriting II</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 160 Sight Reading for the Studio I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 161 Sight Reading for the Studio II</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 179 Concert Promotion Touring</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 190 Career Opportunities in the Music Entertainment Industry</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 240 Jazz Improvisation III</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 241 Jazz Improvisation IV</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 242 Jazz Combos III</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 243 Jazz Combos IV</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 251 Professional and Transfer Audition Preparation</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 253 Songwriting III</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 254 Songwriting IV</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 121 Elementary Piano II</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 130 Voice - Beginning</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 131 Intermediate Voice</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 140 Beginning Guitar I</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 141 Beginning Guitar II</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 160 Standard Percussion Instrumentation/Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 161 World Percussion Instrumentation/Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 170 Musical Theatre Academy Techniques</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 171 Musical Theatre Techniques</td>
<td>3</td>
</tr>
<tr>
<td>MUSE 188 Music Production Software/ Hardware I</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 189 Music Production Software/ Hardware II</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 220 Intermediate Piano I</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 221 Intermediate Piano II</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 222 Advanced Piano I</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 223 Advanced Piano II</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 224 Keyboard Skills for the Music Major</td>
<td>3</td>
</tr>
<tr>
<td>MUSE 226 Functional Piano for the Music Major</td>
<td>3</td>
</tr>
<tr>
<td>MUSE 230 Voice- Intermediate/Advanced</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 231 Voice IV - Advanced</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 240 Intermediate Guitar I</td>
<td>2</td>
</tr>
<tr>
<td>MUSE 241 Intermediate Guitar II</td>
<td>2</td>
</tr>
<tr>
<td>MUSP 151 Individual Performance Techniques</td>
<td>2</td>
</tr>
<tr>
<td>MUSP 170 Musical Theatre Academy Production</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 171 Musical Theatre Workshop Production</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 173 Musical Theatre Production I Beginning</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 178 Opera Workshop</td>
<td>2</td>
</tr>
<tr>
<td>MUSP 290 Applied Music I Beginning</td>
<td>3</td>
</tr>
<tr>
<td>MUSP 291 Applied Music II Intermediate</td>
<td>3</td>
</tr>
<tr>
<td>MUSP 292 Applied Music III Intermediate/Advanced</td>
<td>3</td>
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</tbody>
</table>
Select six (6) units from the following performance courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 102</td>
<td>Pop/Rock Ensemble I</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 103</td>
<td>Pop/Rock Ensemble II</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 104</td>
<td>Pop, Rock, and Jazz Performance Styles I</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 105</td>
<td>Pop, Rock, and Jazz Performance Styles II</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 106</td>
<td>Citrus College Show Choir I</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 107</td>
<td>Show Choir II</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 120</td>
<td>Studio Laboratory Band I</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 121</td>
<td>Studio Laboratory Band II</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 122</td>
<td>Jazz Ensemble</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 123</td>
<td>Jazz Ensemble II</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 130</td>
<td>Studio Orchestra I</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 131</td>
<td>Studio Orchestra II</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 144</td>
<td>Fusion Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 146</td>
<td>Chamber Jazz</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 160</td>
<td>Sight Reading for the Studio I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 170</td>
<td>Classical Performance Techniques Tour (Vocal)</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 171</td>
<td>Commercial Performance Techniques Tour (Vocal)</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 175</td>
<td>Jazz Ensemble Tour I</td>
<td>7</td>
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<tr>
<td>MUSC 177</td>
<td>Professional Performance Techniques</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 204</td>
<td>Pop, Rock, and Jazz Performance Styles III</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 206</td>
<td>Show Choir III</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 207</td>
<td>Show Choir IV</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 220</td>
<td>Studio Laboratory Band III</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 221</td>
<td>Studio Laboratory Band IV</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 222</td>
<td>Jazz Ensemble III</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 223</td>
<td>Jazz Ensemble IV</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 230</td>
<td>Studio Orchestra III</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 231</td>
<td>Studio Orchestra IV</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 271</td>
<td>Professional Performance Techniques (Vocal)</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 100</td>
<td>Concert Choir I - Beginning</td>
<td>3</td>
</tr>
<tr>
<td>MUSP 101</td>
<td>Concert Choir II-Intermediate</td>
<td>3</td>
</tr>
<tr>
<td>MUSP 105</td>
<td>Women's Ensemble I Beginning</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 106</td>
<td>Women's Ensemble II Intermediate</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 110</td>
<td>Vocal Ensemble I Beginning</td>
<td>3</td>
</tr>
<tr>
<td>MUSP 111</td>
<td>Vocal Ensemble II</td>
<td>3</td>
</tr>
<tr>
<td>MUSP 115</td>
<td>Chamber Chorale I Beginning</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 120</td>
<td>Chamber Singers I Beginning</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 121</td>
<td>Chamber Singers II Intermediate</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 133</td>
<td>Brass Choir I</td>
<td>3</td>
</tr>
<tr>
<td>MUSP 134</td>
<td>Brass Choir II</td>
<td>3</td>
</tr>
<tr>
<td>MUSP 136</td>
<td>Percussion Ensemble I</td>
<td>1</td>
</tr>
<tr>
<td>MUSP 138</td>
<td>World Percussion Ensemble I</td>
<td>1</td>
</tr>
<tr>
<td>MUSP 140</td>
<td>Chamber Winds I</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 182</td>
<td>Musical Theatre Orchestra II</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 225</td>
<td>Competitive Collegiate Choir</td>
<td>3</td>
</tr>
<tr>
<td>MUSP 240</td>
<td>Chamber Winds III</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 241</td>
<td>Chamber Winds IV</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 245</td>
<td>Wind Symphony III</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 246</td>
<td>Wind Symphony IV</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 255</td>
<td>Competitive Collegiate Jazz Ensemble</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 281</td>
<td>Musical Theatre Orchestra III</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 282</td>
<td>Musical Theatre Orchestra IV</td>
<td>4</td>
</tr>
<tr>
<td>MUSP 285</td>
<td>Competitive Collegiate Wind Band</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Units 18 - 21**

**A.A. Degree Level Student Learning Outcomes**

Students completing the Music A.A. Degree will:

1. Demonstrate a foundational knowledge in music theory.
2. Demonstrate a rudimentary piano proficiency.
3. Display basic proficiency in a specific instrumental, vocal, or creative techniques or styles.
4. Exhibit perspective on historical and stylistic components of music and musical literature.
5. Demonstrate competency in performance skills and ability.

**Photography**

**A.S. Degree**

The Photography Program will prepare students for careers as an assistant to a professional photographer or as a lab technician or free-lance photographer. Students can also obtain positions in retail photographic outlets.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

**Required core courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHTO 101</td>
<td>Basic Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHTO 102</td>
<td>Intermediate Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHTO 103</td>
<td>Advanced Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHTO 205</td>
<td>Color Photography</td>
<td>3</td>
</tr>
</tbody>
</table>
Select three (3) of the following:

- PHTO 125 Photography as an Art Medium 3
- PHTO 126 Advanced Photography as an Art Medium 3
- PHTO 202 Photojournalism 3
- PHTO 206 Intermediate Color Photography 3
- PHTO 213 Studio & Environmental Portraiture 3

A course may be used only once to fulfill the degree requirements.

**Total Units 21**

**A.S. Degree Level Student Learning Outcomes**

Students completing the Photography A.S. Degree will:

1. Demonstrate computer proficiency in specialized programs related to photographs.
2. Demonstrate knowledge of photographic theory in choosing new products and using them effectively.
3. Review, analyze and critique photographic work of others.
4. Analyze and evaluate personal and other student’s images through use of evaluation rubrics based on aesthetic concepts.

**Physical Science A.S. Degree**

New degree, pending Chancellor’s Office approval

**Pre-Allied Health A.S. Degree**

New degree, pending Chancellor’s Office approval

**Pre-Engineering A.S. Degree**

Applying the principles of science and mathematics, engineers design and build systems, structures, and products that solve practical problems and meet human needs. Engineers continue to be in high demand worldwide in a broad range of industry and job prospects are strong in the foreseeable future.

The A.S. Degree in Pre-engineering includes core courses in mathematics and physics and provides students with a set of skills that prepares them for transfer into engineering programs at baccalaureate degree-granting institutions.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 101</td>
<td>Introduction to Engineering</td>
<td>3</td>
</tr>
<tr>
<td>MATH 190</td>
<td>Calculus with Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 191</td>
<td>Calculus with Analytic Geometry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 210</td>
<td>Calculus with Analytic Geometry III</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 201</td>
<td>Physics A: Mechanics</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 202</td>
<td>Physics B: Thermodynamics and Electromagnetism</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 203</td>
<td>Physics C: Waves, Optics &amp; Modern Physics</td>
<td>5</td>
</tr>
</tbody>
</table>

Select two (2) of the following courses:

- CHEM 111 General Chemistry 5
- CS 225 Object Oriented Programming 3
- ENGR 135 Engineering Mechanics: Statics 3
- MATH 211 Differential Equations 5
- MATH 212 Introduction to Linear Algebra 4
- PHYS 202 Physics B: Thermodynamics and Electromagnetism 5
- PHYS 203 Physics C: Waves, Optics & Modern Physics 5

PHYS 202 and PHYS 203 cannot be double counted to satisfy both core and elective requirements.

Courses that complete the Associate Degree in Pre-Engineering might not include all required or recommended courses for transfer into some impacted programs and specific branches of engineering. Students should consult a STEM counselor in order to select the most comprehensive course plan for their personal transfer goals.

**Total Units: 33 – 37**
2. Describe and explain the fundamentals of street maintenance.
3. Demonstrate knowledge of equipment and techniques used for street maintenance.
4. Explain preventative methods and materials, emphasizing the importance of the need for longevity, in street construction and maintenance.
5. Properly demonstrate a clear understanding of inspection records, duties, and job diary techniques.
6. Describe and explain the ability to read and interpret plans.
7. Demonstrate a clear understanding of codes and ordinances.

**Recording Technology A.S. Degree**
The Recording Technology Degree Program is a hands-on, career education program which develops critical skills in audio engineering, live sound reinforcement, sound for film, television and gaming. The program teaches the audio basics necessary to engineer any kind of music and sound, from rock concerts to classical recordings, movie scenes to video games. Acceptance into the Recording Technology Degree Program is by interview only.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

<table>
<thead>
<tr>
<th>Required prerequisite courses:</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 100 Survey of Entertainment Technology</td>
<td>4</td>
</tr>
<tr>
<td>REC 103 Introduction to Audio Engineering</td>
<td>4</td>
</tr>
<tr>
<td>REC 140 Music Theory for Engineers</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Required core audio courses:</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 105 Fundamentals of Audio Technology</td>
<td>4</td>
</tr>
<tr>
<td>REC 115 Recording Studio Workshop I</td>
<td>4</td>
</tr>
<tr>
<td>REC 205 Advanced Audio Technology</td>
<td>4</td>
</tr>
<tr>
<td>REC 215 Recording Studio Workshop II</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Required digital audio courses:</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 125 Digital Audio Technology I</td>
<td>3</td>
</tr>
<tr>
<td>REC 225 Digital Audio Technology II</td>
<td>4</td>
</tr>
</tbody>
</table>
Other required courses:
REC 135  Live Sound Reinforcement  4
REC 145  Critical Listening Skills for Engineers  3
REC 235  Acoustics for Engineers  3
REC 245  Music Business/Audio Careers  3
Total Units 47

A.S. Degree Level Student Learning Outcomes
Students completing the Recording Technology A.S. Degree will:
1. Exhibit proficiency in technical operation, communication, and production in the recording studio.
2. Demonstrate proficiency in cross-platform computer operation and use of multiple software applications.
3. Successfully integrate as professionals into the entertainment industry by demonstrating competency in music business, acoustics, critical listening and live sound reinforcement.

Registered Nursing A.S. Degree
The Citrus College Associate Degree Nursing (ADN) Program, leading to an Associate in Science Degree with a major in nursing, is approved by the California Board of Registered Nursing (BRN). The purpose of the nursing program is to educate students for entry-level registered nursing positions in a variety of multicultural health care settings within the community. The program consists of course work in nursing, science, general education and clinical practice at local hospitals and health agencies. The graduate of this two-year program is eligible to take the National Council for Licensure Examination (NCLEX), and upon successful completion, become licensed as a Registered Nurse (RN) in the State of California. There are fees for obtaining licensure by examination or endorsement, interim permit, and biennial renewal. California law allows for the denial of registered nursing licensure on the basis of any prior convictions substantially related to nursing practice. More information can be obtained by visiting the BRN website at http://www.rn.ca.gov/applicants/lic-faqs.shtml.

The Citrus College ADN Program philosophy is based upon the premise that students bring unique learning abilities, life experiences, goals, responsibilities and support systems to the educational experience. The philosophy of the Citrus College ADN Program supports and implements the Mission Statement of Citrus College. The program and faculty believe that a sound nursing education program is built on concepts relating to the individual, health and illness, the environment, and nursing, which includes nursing education and teaching and learning.

In-depth information about the program prerequisites, which are those requirements that must be completed prior to applying to the ADN Program, can be obtained by visiting the website, through Counseling, or by attending Nursing Information Workshops (posted on the website). To access the ADN website, visit www.citruscollege.edu, use the A to Z index and select Registered Nursing.

REGARDING LICENSURE
The BRN protects the consumer by screening applicants for licensure in order to identify potentially unsafe practitioners. The BRN may deny applications for interim permits, temporary licenses, and permanent licensure, if the applicant has been found guilty of dishonesty, fraud or deceit, felony child abuse, sex offender crimes, acts involving narcotics, dangerous drugs or devices, assault and/or battery, and other crimes. Applicants who have questions regarding limitations related to licensure should contact the BRN at (916) 322-3350 or access the BRN website at www.rn.ca.gov.

ENROLLMENT PROCESS
Separate applications must be made into the nursing program. All ADN applicants selected will be required to also apply to Citrus College. Several admission and progression options are available including the Generic Option, the Advanced Placement Option, and the 30-Unit Option. Specific information is available in the application packet, on the website, and at scheduled information workshops held by nursing counselors. Visit the website for application dates.
PLACEMENT OPTIONS

Generic Option
These students will complete the entire ADN Program at Citrus College. The application is submitted, and if qualified, cohort selection is made according to the current enrollment process. Students must also take the Testing of Essential Academic Skills, version five (TEAS). Only TEAS tests taken at Citrus College will be accepted. The TEAS tests the prospective student’s knowledge of basic math, English, reading and applicable science. Prospective students must score a minimum of 62% on the TEAS V.

Advanced Placement Option (LVN to RN)
These students are documented as Licensed Vocational Nurses in California, with documented proof of one year of full-time experience. Students choosing this option must apply to the program, complete all program prerequisites and general education, degree and graduation requirements, pass the TEAS V with a minimum of 62%, and complete Role Transition/RNRS 200 with a C or better. Placement will then be into the third semester of the ADN Program.

Thirty-Unit Option
Available to California Licensed Vocational Nurses. The BRN regulation 1435.5 provides the option of completing 30 semester units in nursing and related science courses in order to be eligible to take the RN licensure exam (NCLEX). The Citrus College ADN Program may accept up to 2% of qualified 30-Unit Option applicants into a cohort. To qualify for this option, the applicant must:

- Have a current California Vocational Nurse License (LVN).
- Have previously completed human physiology, 4 or 5 units with a lab, and microbiology, 4 or 5 units with a lab; both with a C or better. The application and placement policy for Advanced Placement also applies to this option (see item 2 above).

Candidates completing this option are not graduates of Citrus College, will not be awarded a degree, but are eligible to take the NCLEX. The prospective student should be aware that they may not change their status as a 30 unit option RN with the BRN at any time after licensure. Individuals who become licensed as Registered Nurses using this option may not be eligible for licensure in states other than California and may have difficulty transferring to a BSN program even if degree requirements are completed.

The program is accredited by the California Board of Registered Nursing. They are not eligible to wear the Citrus College ADN Nursing pin nor graduate from the Associate Degree Program. Prospective students must score a minimum of 62% on the TEAS V.

Transfer students are those who transfer nursing units to Citrus College from another college. The education code allows students to transfer only lower division units to a community college. Requests for transfer are evaluated on a case-by-case basis. Transfer placement will be made on a space available basis and is determined by the course content and number of nursing degree units completed. If the prospective student has earned a single non-progression grade (D or F) in a registered nursing program at another school, that non-progression grade will be considered the only allowable failure for that student. A single further non-progression grade will result in dismissal from the program, without the ability to return. Prospective students must score a minimum of 62% on the TEAS V.

Challenge students are those students admitted to the ADN program with previous documented experience who may be allowed to challenge certain, specified content areas (Education Code, Section 5557537), Title 5 of the California Administrative Code.

*The TEAS requirement applies to all entry options.

After all prerequisites have been verified as complete, and there are more applicants than spaces available, selection will be based on the enrollment criteria. The enrollment criteria is based on the recommended Best Practice for Enrollment prepared by the California Community Colleges Chancellor’s Office. Please contact the nursing counselors for further clarification of the enrollment process.

Degree Awarded
Associate in Science, Nursing (ADN) – Requires degree applicable coursework including ADN Nursing Program Prerequisites, Nursing General Education, ADN General Education for Associate Degree, and Nursing Option-specific coursework. All requirements must be completed with a grade of C or better to progress in the program, graduate with an ADN, and qualify for licensure through NCLEX.

This degree requires meeting the Citrus College General Education and proficiency requirements.
combined with successful completion (grades of C and above) of the following major requirements:

**Generic Option**

**ADN Nursing Program prerequisites/ taken prior to entry:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 200</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 201</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 220</td>
<td>Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>ENGL 101</td>
<td>Reading and Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 101H</td>
<td>Reading and Composition-Honors</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units 16**

Citrus College has required prerequisites on anatomy, physiology, and microbiology. Students who transfer completed science graduation requirements including anatomy, physiology and microbiology from another school not requiring chemistry and general biology as prerequisites will be granted science credit for graduation. See the nursing counselor for additional information.

**ADN Nursing Program required general education courses/ taken prior to entry:**

See a counselor for applicable courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 205</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 100</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 101</td>
<td>Public Address</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 101H</td>
<td>Public Address-Honors</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 210</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 210H</td>
<td>Introduction to Cultural Anthropology-Honors</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201H</td>
<td>Introduction to Sociology-Honors</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units 9**

**Additional Associate Degree required courses/ taken prior to entry:**

See a counselor for applicable courses.

These requirements are waived for students who have a B.A. or B.S. from a regionally accredited institution in the United States.

- History or Political Science 3
- Arts—One course from Area 3
- Humanities—One course from Area 3
- Kinesiology/Dance Activity 3

**Math**

Completion of Intermediate Algebra (MATH 142, or 148 & 149, or 150) or any higher level math course with a grade of C or better and placement at the level of college algebra or higher on the math assessment test.

**Reading**

Completion of ENGL 099 with a grade of C or better or passing the reading competency examination.

**First Year - Major Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNRS 190</td>
<td>Foundations of Nursing</td>
<td>4</td>
</tr>
<tr>
<td>RNRS 191</td>
<td>Intro to Medical/Surgical Nursing I</td>
<td>5</td>
</tr>
<tr>
<td>RNRS 192</td>
<td>Pharmacology for Nurses</td>
<td>2</td>
</tr>
</tbody>
</table>

**Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNRS 193</td>
<td>Pediatric Nursing</td>
<td>3.5</td>
</tr>
<tr>
<td>RNRS 194</td>
<td>Obstetrics/Maternity Nursing</td>
<td>3.5</td>
</tr>
<tr>
<td>RNRS 195</td>
<td>Beginning Medical/Surgical Nursing II</td>
<td>5</td>
</tr>
</tbody>
</table>

**Second Year - Major Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNRS 201</td>
<td>Medical-Surgical Nursing III</td>
<td>5</td>
</tr>
<tr>
<td>RNRS 203</td>
<td>Mental Health-Psychiatric Nursing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Fourth Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNRS 251</td>
<td>Medical-Surgical Nursing IV</td>
<td>6</td>
</tr>
<tr>
<td>RNRS 252</td>
<td>Leadership for Professional Nursing Practice</td>
<td>2</td>
</tr>
<tr>
<td>RNRS 290</td>
<td>Gerontological Nursing</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total major requirements for generic option** 41

**Total of all units for generic option** 83

The Board of Registered Nursing (BRN) requires these nursing courses be completed to be eligible to take the RN licensing examination. All of these courses must be completed with a grade of C or better.
Advanced Placement Option (LVN to RN)
ADN Nursing Program prerequisites/taken prior to entry:

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<thead>
<tr>
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</thead>
<tbody>
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<td>Human Anatomy</td>
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<td>BIOL 201</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 220</td>
<td>Microbiology</td>
<td>5</td>
</tr>
<tr>
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<td>Reading and Composition</td>
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<tr>
<td>ENGL 101H</td>
<td>Reading and Composition-Honors</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units 16

ADN Nursing Program required general education courses/taken prior to entry:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>SPCH 100</td>
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</tr>
<tr>
<td>SOC 201H</td>
<td>Introduction to Sociology-Honors</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units 9

Additional Associate Degree required courses/taken prior to entry:

See a counselor for applicable courses.

These requirements are waived for students who have a B.A. or B.S. from a regionally accredited institution in the United States.

Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>History or Political Science</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Arts—One Course from Area</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Humanities—One Course from Area</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology/Dance Activity</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Math

Completion of Intermediate Algebra (MATH 142, or 148 & 149, or 150) or any higher level math course with a grade of C or better and placement at the level of college algebra or higher on the math assessment test.

Reading

Completion of ENGL 099 with a grade of C or better or passing the reading competency examination.

Total Units 17

Major requirements LVN to ADN

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNRS 200</td>
<td>Role Transition: LVN to RN</td>
<td>3</td>
</tr>
</tbody>
</table>

Third Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNRS 201</td>
<td>Medical-Surgical Nursing III</td>
<td>5</td>
</tr>
<tr>
<td>RNRS 203</td>
<td>Mental Health-Psychiatric Nursing</td>
<td>3</td>
</tr>
</tbody>
</table>

Fourth Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNRS 251</td>
<td>Medical-Surgical Nursing IV</td>
<td>6</td>
</tr>
<tr>
<td>RNRS 252</td>
<td>Leadership for Professional Nursing Practice</td>
<td>2</td>
</tr>
<tr>
<td>RNRS 290</td>
<td>Gerontological Nursing</td>
<td>2</td>
</tr>
</tbody>
</table>

Total major requirements LVN to ADN 21

Total Units LVN to ADN 63

The Board of Registered Nursing (BRN) requires these courses be completed to be eligible to take the RN licensing examination. All of these courses must be completed with a grade of C or better.

Thirty-Unit Option

Nursing Program prerequisites/taken prior to entry:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 201</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 220</td>
<td>Microbiology</td>
<td>5</td>
</tr>
</tbody>
</table>

Physiology and Microbiology must be complete at time of application, no additional science classes will be required for any student applying for the 30 unit option. Students planning to take BIOL 201 and BIOL 220 at Citrus College need to meet prerequisite requirements for those classes. See counselor for details.

Major Requirements LVN to RN

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNRS 200</td>
<td>Role Transition: LVN to RN</td>
<td>3</td>
</tr>
</tbody>
</table>

Third Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNRS 201</td>
<td>Medical-Surgical Nursing III</td>
<td>5</td>
</tr>
<tr>
<td>RNRS 203</td>
<td>Mental Health-Psychiatric Nursing</td>
<td>3</td>
</tr>
</tbody>
</table>

Fourth Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNRS 251</td>
<td>Medical-Surgical Nursing IV</td>
<td>6</td>
</tr>
<tr>
<td>RNRS 252</td>
<td>Leadership for Professional Nursing Practice</td>
<td>2</td>
</tr>
<tr>
<td>RNRS 290</td>
<td>Gerontological Nursing</td>
<td>2</td>
</tr>
</tbody>
</table>

Total major requirements for 30-unit option 21

Total for 30-unit option 30
The Board of Registered Nursing (BRN) requires these courses be completed to be eligible to take the licensing examination. All of these courses must be completed with a grade of C or better.

**A.S. Degree Level Student Learning Outcomes**

Students completing the Registered Nursing A.S. Degree will:

1. Demonstrate caring behavior toward the client, significant other/s, peers and other members of the health care team, providing an environment that respects individual human rights, values and cultural and spiritual beliefs.
2. Apply critical thinking to formulate nursing diagnoses through observation of the client’s physical condition and behavior, and through interpretation of information obtained from the client and others, including the health care team.
3. Formulate a care plan, from a holistic perspective, in collaboration with the client, which ensures that direct and indirect nursing care services provide for the client’s safety, comfort, hygiene, and protection, and for disease prevention and restorative measures, taking into account the health-illness continuum.
4. Demonstrate safe, ethical care delivery across the lifespan that meets professional standards while performing skills essential to the kind of nursing action to be taken, taking into account client individuality, explaining the health treatment to the client and family and teaching the client and family how to care for the client’s health needs.
5. Use sound clinical judgment to delegate tasks to subordinates based on both the legal scope of practice of the subordinates and on the preparation and capability needed in the tasks to be delegated, and then to effectively supervise nursing care being given by subordinates.
6. Evaluate the effectiveness of the care plan through observation of the client’s physical condition and behavior, signs and symptoms of illness, and reactions to treatment and through communication with the client and health team members, and then to modify the plan as needed.

7. Act as the client’s advocate, as circumstances require by initiating action to promote, improve, maintain and restore health or to change decisions or activities which are against the interests or wishes of the client, and by giving the client the opportunity to make informed decisions about health care before it is provided.

**Social and Behavioral Sciences A.A. Degree**

Modified degree, pending Chancellor’s Office approval

**Theatre Arts A.A. Degree**

This degree is a fundamental exploration in the area of theatre arts, highlighting acting, technical theatre/design, theatre history and play analysis.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

<table>
<thead>
<tr>
<th>Required core courses:</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 101 Introduction to Theatre Arts</td>
<td>3</td>
</tr>
<tr>
<td>THEA 120 Introduction to Tech for Theatre, TV and Film</td>
<td>3</td>
</tr>
<tr>
<td>THEA 201 Stage Acting I—Beginning</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select one (1) of the following play performance courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 210 Rehearsal and Performance in Production</td>
<td>3</td>
</tr>
<tr>
<td>THEA 221 Theatre Practicum/Special Projects I—Storytelling</td>
<td>3</td>
</tr>
<tr>
<td>THEA 222 Theatre Practicum/Special Projects II—Physical Life</td>
<td>3</td>
</tr>
<tr>
<td>THEA 293A Theatre for Young Audiences—Beginning</td>
<td>3</td>
</tr>
<tr>
<td>THEA 294 Shakespeare in Production</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select one (1) of the following play analysis courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 200 The Art of the Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 204A Stage and Screenwriting - Beginning</td>
<td>3</td>
</tr>
<tr>
<td>THEA 241A Fundamentals of Stage Direction—Beginning</td>
<td>3</td>
</tr>
</tbody>
</table>
Select one (1) of the following elective courses:
THEA 130  Introduction to Theatrical Scenery    3
THEA 140  Introduction to Lighting for Theatre, Television and Film  3
THEA 202  Stage Acting II—Intermediate  3
THEA 205  Stage Acting III — Intermediate/Advanced  3
THEA 206  Stage Acting IV—Advanced  3
THEA 211A Camera Acting I—Beginning  3
THEA 211B Camera Acting II—Intermediate  3
THEA 211C Camera Acting III—Intermediate/Advanced  3
THEA 211D Camera Acting IV—Advanced  3
THEA 245 Stage and Project Management for Theatre, TV and Film  3
THEA 250  Theatre Appreciation  3
THEA 284  Acting Shakespeare  3
THEA 292A Special Techniques in Acting—Beginning  3

Total Units 18

A.A. Degree Level Student Learning Outcomes
Students completing the Theatre Arts A.A. Degree will:
1. Demonstrate a fundamental knowledge in core theatre elements, including Acting, Technical Theatre, and Theatre History.
2. Demonstrate acting techniques in a performance setting.
3. Exhibit fundamental knowledge of play structure and analysis.
4. Explore various options in theatre doctrine to enhance the student's area of interest.

Theatre Arts—Acting Emphasis
A.A. Degree
This degree is a fundamental exploration in the area of Theatre Arts focusing on Performance Styles and Acting Techniques. This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Required core courses:
THEA 101  Introduction to Theatre Arts    3
THEA 120  Introduction to Tech for Theatre, TV and Film  3
THEA 202  Stage Acting II-Intermediate    3
THEA 201 is a pre-requisite for THEA 202.

Select one (1) of the following play performance courses:
THEA 210  Rehearsal and Performance in Production  3
THEA 220  Rehearsal and Performance II  3
THEA 221  Theatre Practicum/Special Projects I—Storytelling  3
THEA 222  Theatre Practicum/Special Projects II—Physical Life  3

Select two (2) of the following acting techniques courses:
THEA 104A  Voice and Movement for the Actor—Beginning  3
THEA 205  Stage Acting III - Intermediate/Advanced  3
THEA 206  Stage Acting IV - Advanced  3
THEA 211A Camera Acting I - Beginning  3
THEA 211B Camera Acting II - Intermediate  3
THEA 211C Camera Acting III - Intermediate/Advanced  3
THEA 211D Camera Acting IV - Advanced  3
THEA 284  Acting Shakespeare  3
THEA 292A Special Techniques in Acting—Beginning  3

Total Units 21

Select one (1) of the following specialty courses:
THEA 241A  Fundamentals of Stage Direction—Beginning  3
THEA 293A  Theatre for Young Audiences—Beginning  3
THEA 294  Shakespeare in Production  3

A course may be used only once to fulfill degree requirements.

A.A. Degree Level Student Learning Outcomes
Students completing the Theatre Arts Acting Emphasis A.A. Degree will:
1. Demonstrate a fundamental knowledge in core theatre elements, including Acting, Technical Theatre, and Theatre History.
2. Demonstrate acting techniques in a performance setting.
3. Exhibit proficiency in acting styles and techniques.
4. Exhibit knowledge in a specialized theatrical area, such as directing, Shakespeare, and Theatre for Young Audiences.
**Vocational Nursing A.S. Degree**

Successful completion of Vocational Nursing Program studies allows the student to become eligible to take the State Board Examination for Licensed Vocational Nurses (NCLEX).

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

<table>
<thead>
<tr>
<th>Required core courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>VNRS 150  Fundamentals of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>VNRS 151  Fundamentals of Nursing Lab</td>
<td>3</td>
</tr>
<tr>
<td>VNRS 152  Pharmacology I</td>
<td>1</td>
</tr>
<tr>
<td>VNRS 153A Introductory Nutrition for the Vocational Nurse</td>
<td>1</td>
</tr>
<tr>
<td>VNRS 154 Body Structure and Function for the Vocational Nurse I</td>
<td>1.5</td>
</tr>
<tr>
<td>VNRS 155 Social-Psychology for the Vocational Nurse</td>
<td>1</td>
</tr>
<tr>
<td>VNRS 160 Medical-Surgical Nursing I</td>
<td>3</td>
</tr>
<tr>
<td>VNRS 161 Medical-Surgical Nursing I Lab</td>
<td>3</td>
</tr>
<tr>
<td>VNRS 162 Pharmacology II</td>
<td>1</td>
</tr>
<tr>
<td>VNRS 163 Diet Therapy for the Vocational Nurse</td>
<td>1</td>
</tr>
<tr>
<td>VNRS 164 Body Structure and Function for the Vocational Nurse II</td>
<td>1.5</td>
</tr>
<tr>
<td>VNRS 165 Adult Growth and Development for the Vocational Nurse</td>
<td>1</td>
</tr>
<tr>
<td>VNRS 170 Medical-Surgical Nursing II</td>
<td>7</td>
</tr>
<tr>
<td>VNRS 171 Medical-Surgical Nursing II Lab</td>
<td>7</td>
</tr>
<tr>
<td>VNRS 172 Advanced Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>VNRS 173 Psychology for Vocational Nurses</td>
<td>2</td>
</tr>
<tr>
<td>VNRS 180 Pediatric Nursing</td>
<td>3.5</td>
</tr>
<tr>
<td>VNRS 181 Growth and Development: Infancy-Adolescence</td>
<td>1</td>
</tr>
<tr>
<td>VNRS 182 Obstetrical-Gynecological Nursing</td>
<td>4</td>
</tr>
<tr>
<td>VNRS 183 Leadership in Nursing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units 50.5**

**A.S. Degree Level Student Learning Outcomes**

Students completing the Vocational Nursing A.S. degree will:

1. Demonstrate the ability to perform accurate calculations of intake and output, drug dosages, and IV rates.
2. Develop problem-solving and self-assessment skills and make appropriate decisions regarding a variety of procedural situations.
3. Demonstrate the ability to interact and work effectively as a member of the health care team.
4. Develop the ability to use and adapt to current technologies used in the healthcare setting.
5. Provide patient care that falls within the scope of practice as set forth by the BVNPT.

**Water Technology A.S. Degree**

This program is designed to prepare students who wish to seek employment in the public water supply industry or qualify for a more responsible position within the industry. These courses will be helpful to students who wish to prepare for the T1, T2, T3, T4 and T5 Water Treatment Operator and D1, D2, D3, D4, and D5 Water Distribution Operator certification examinations given by the California Public Health Department. Coursework also provides contact hours for Operator certification maintenance requirements.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

<table>
<thead>
<tr>
<th>Required core courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATR 150 Introduction to Water Systems</td>
<td>3</td>
</tr>
<tr>
<td>WATR 151 Water Resources and Distribution I</td>
<td>3</td>
</tr>
<tr>
<td>WATR 153 Water Resources and Distribution II</td>
<td>3</td>
</tr>
<tr>
<td>WATR 156 Water Treatment I</td>
<td>3</td>
</tr>
<tr>
<td>WATR 157 Water Treatment II</td>
<td>3</td>
</tr>
<tr>
<td>WATR 162 Water Conservation</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one (1) course from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 145</td>
<td>Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>PUB 155</td>
<td>Public Works Inspection</td>
<td>3</td>
</tr>
<tr>
<td>PUB 160</td>
<td>Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>PUB 161</td>
<td>California Occupational Safety and Health</td>
<td>3</td>
</tr>
<tr>
<td>PUB 166</td>
<td>Supervision in Public Works</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units 18**
**A.S. Degree Level Student Learning Outcomes**

Students completing the Water Technology A.S. degree will:

1. Demonstrate the safe handling of chemicals used in the water industry and describe the Occupational Safety and Health Administration (OSHA) regulations related to public drinking water.
2. Describe and explain regulatory issues that relate to the public drinking water supply.
3. Diagram and explain the fundamentals of the water distribution system including SCADA (supervisory control and data acquisition), maintenance, pumps, hydraulics, and valves.
4. Given a scenario involving water contamination; identify the contaminants, recommend the best treatment, administer the treatment and then verify the contaminants are below allowable safety thresholds.
What Career and Technical Programs Does Citrus College Offer?

Programs of Study Leading to a Certificate of Achievement

Citrus College grants certificates of achievement in a variety of career/technical subject areas. These certificates of achievement may be used to verify a student’s proficiency in the skills and knowledge needed for entry-level employment or for career advancement.

To earn a certificate of achievement, a student must satisfactorily complete 18 units or more in a specific sequence of required courses. The number of units will vary by program; many subject areas require more than 18 units. At least 50 percent of these required courses must be completed at Citrus College. A 2.0 GPA is required.

**Programs of Study Leading to a Certificate of Achievement**

- Accounting
- Administrative Office Occupations
- Architectural Design
- Audio Recording Technology
- Automotive Research and Development
- Automotive Service, Diagnosis and Repair—Master Technician
- Automotive Service, Diagnosis and Repair—Toyota/Lexus/Scion Technician
- Automotive Service, Diagnosis and Repair—Undercar Drivetrain Specialist
- Automotive Service, Diagnosis and Repair—Underhood Specialist
- Biomanufacturing*
- Ceramics—One Year
- Ceramics—Two Year
- Child Development Teacher
- Child Development Master Teacher
- Child Development Master Teacher—Early Intervention
- Commercial Dance
- Computer-Aided Design (CAD)—Architecture and Drafting
- Computer Generated Imagery
- Correctional Science
- Cosmetology**
- Criminal Justice**
- CSUGE
- Dental Assisting

*New certificate, pending Chancellor’s Office approval
**Modified certificate, pending Chancellor’s Office approval

Citrus College’s nursing students learn by practice, under the direction of instructors who use the most current technology and educational tools.

- Digital and Web Design
- Emergency Management and Homeland Security
- Emerging Theatre Technologies
- Esthetician
- IGETC—Intersegmental General Education Transfer Curriculum*
- Information Technology
- Literature
- Medium and Heavy Truck Service, Diagnosis, and Repair Technician
- Photography
- Public Works: Inspection, Supervision, and Management
- Public Works: Maintenance Services**
- Vocational Nursing
- Water Technology
- Wildland Resources and Forestry
- Writing Competency
Accounting
The Accounting Certificate of Achievement encompasses an area of study which includes basic accounting, financial and managerial accounting principles, income tax accounting and accounting general ledger software. The Accounting Certificate of Achievement is designed to prepare students for entry-level accounting positions as accounting clerks and bookkeepers. The Accounting Certificate courses combine classroom lectures, demonstrations and a wide use of technology to ensure relevant training.

Required core courses:                               Units
ACCT 101   Financial Accounting  4
or
ACCT 101H  Financial Accounting - Honors  4
ACCT 102   Managerial Accounting  4
ACCT 110   Income Tax Accounting  4
BUS 132    Ethics in Business  3
Select one (1) of the following:
CIS 130    Microcomputer Applications I  4
OFF 101    Introduction to Microsoft Office Applications  3
OFF 120    Microsoft Excel  3
Select one (1) of the following:
ACCT 100   Accounting  4
ACCT 115   QuickBooks  2
BUS 130    Introduction to Business  3
BUS 146    Personal Finance  3
BUS 150    Business English  3
BUS 152    Business Communications  3
BUS 160    Business Law and the Legal Environment I  3

Total Units 20 - 22

Certificate of Achievement Level Student Learning Outcomes
Students completing the Accounting Certificate of Achievement will:
1. Prepare accurate reports for decision-making and regulatory compliance using general ledger software and commonly used office software programs.
2. Possess a working knowledge of accounting and business terminology, and accounting principles and concepts used in the business environment.

Administration of Justice
Pending modified certificate, see Criminal Justice

Administrative Office Occupations
Students who receive the Administrative Office Occupations Certificate of Achievement are prepared for management assignments in the business office environment. This certificate is recommended for both experienced office staff as well as entry-level office workers who are seeking to increase their potential for promotion. Certificate recipients will have expert office skills and in-depth software knowledge. The courses leading to this certificate provide training in office information systems, human relations, business communications, and business records management.

Required core courses:                               Units
BUS 150    Business English  3
BUS 152    Business Communications  3
OFF 101    Introduction to Microsoft Office Applications  3
OFF 120    Microsoft Excel  3
OFF 215    Introduction to Microsoft Outlook  2
OFF 260    Computer Keyboarding and Document Processing  3
OFF 281    Filing and Records Management  3
OFF 285    Administrative Office Procedures  3
OFF 294    Microsoft Word  3

Total Units 26

Certificate of Achievement Level Student Learning Outcomes
Students completing the Administrative Office Occupations Certificate of Achievement will:
1. Perform all general office clerk tasks: use e-mail to communicate with others; understand and utilize filing procedures; examine incoming materials and code it numerically, alphabetically or by subject matter; enter data electronically in various storage devices; use electronic calendars; use correct spelling, grammar, and punctuation in prepared documents; file data on computer; keyboard and file data on computers as well as access information; keep payroll records and prepare invoices; make photocopies and take inventory; set up spreadsheets; work with customers and answer questions; format letters, memos, tables and reports using current office application programs; compose routine letters, memos and e-mail messages.
2. Understand current office procedures and techniques.
3. Prepare various business forms and documentation and understand their purpose.
4. Operate a variety of business machines, including computer equipment, photocopy machines, facsimiles, printers, telephone and calculating machines.
5. Follow directions as well as demonstrate management initiative, dependability and pride in good work.
6. Understand the systems and procedures of organizing and planning office work, and exercise leadership skills in the business environment.

**Architectural Design**
Design principles, complex animation and CAD systems are applied to problems in architecture, landscape architecture and urban planning. Proper and efficient methods of sketching, producing documents, models, 3D digital models, animations and multifaceted presentations are examined.

Computer Aided Design (CAD)-Architecture and Drafting - Certificate of Achievement required to be completed first.

**Total Units 19.5**

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 201</td>
<td>Architectural Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 202</td>
<td>Architectural Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 250</td>
<td>History of Architecture: Prehistory to Mannerism</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 251</td>
<td>History of Architecture: Baroque to the Present Day</td>
<td>3</td>
</tr>
<tr>
<td>ART 120</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 121</td>
<td>Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>DRAF 290</td>
<td>Introduction to Maya Practices</td>
<td>3</td>
</tr>
</tbody>
</table>

**Employment opportunities:**
Entry-level - CADPERSON / DESIGN PERSON

**Total Units 40.5**

**Certificate of Achievement Level Student Learning Outcomes**
Students completing the Architectural Design Certificate of Achievement will:
1. Describe effective architectural design principle techniques including graphic communication, orientation, and decision making.

2. Demonstrate the ability to use advanced technology to prepare architectural design drawings, Computer Aided Drawings (CAD), animations and multimedia presentations.
3. Demonstrate complex planning techniques and administration of document control for architectural designs, presentations and animations.
4. Demonstrate the ability to estimate time, material, labor and equipment for sophisticated architectural designs, presentations and animations.

**Audio Recording Technology**
This is a one year audio recording program intended to teach the basics of how to engineer any kind of music, from hip-hop to classical to movie scenes.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 105</td>
<td>Fundamentals of Audio Technology</td>
<td>4</td>
</tr>
<tr>
<td>REC 115</td>
<td>Recording Studio Workshop I</td>
<td>4</td>
</tr>
<tr>
<td>REC 125</td>
<td>Digital Audio Technology I</td>
<td>3</td>
</tr>
<tr>
<td>REC 135</td>
<td>Live Sound Reinforcement</td>
<td>4</td>
</tr>
<tr>
<td>REC 145</td>
<td>Critical Listening Skills for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>REC 205</td>
<td>Advanced Audio Technology</td>
<td>4</td>
</tr>
<tr>
<td>REC 215</td>
<td>Recording Studio Workshop II</td>
<td>4</td>
</tr>
<tr>
<td>REC 225</td>
<td>Digital Audio Technology II</td>
<td>4</td>
</tr>
<tr>
<td>REC 235</td>
<td>Acoustics for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>REC 245</td>
<td>Music Business/Audio Careers</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units 36**

**Certificate of Achievement Level Student Learning Outcomes**
Students completing the Audio Recording Technology Certificate of Achievement will:
1. Communicate effectively using proper vocabulary in written and verbal form to facilitate the technical and creative outcomes of a product.
2. Apply acoustic concepts and mathematical formulas to demonstrate understanding of wave theory, room acoustics, materials, and microphone and speaker placement.
3. Demonstrate understanding of the fundamental principles of audio through developing critical thinking, decision-making and problem solving skills by applying them to the studio, post-production and live sound environments.
4. Develop interpersonal skills, empathy, and respect for others by completing team projects in order to gain key skills expected of professionals in the field.

5. Demonstrate advanced computer competency by completing production assignments utilizing software-based production and editing systems.

6. Understand the technical, creative and interpersonal skills required by the entertainment industry through demonstrating thorough knowledge of digital audio workstations and all audio hardware as appropriate to each course.

**Automotive Research and Development**

The High Performance Institute offers a Certificate of Achievement in Automotive Research and Development. The field of automotive research and development offers many exciting career opportunities including: engineering design, prototype building, vehicle evaluation and engineering, materials engineering, powertrain tuning and design, regulatory affairs and advanced technical research.

The Citrus College Certificate of Achievement in Automotive Research and Development area of emphasis is engine research, development and testing. The engine research, development and testing concentration provides a solid background in engine design and development, as well as testing procedures using both engine and chassis dynamometers.

The Certificate of Achievement in Automotive Research and Development is a stepping stone to exciting career opportunities. Completion of the certificate is excellent preparation for students desiring to transfer to a four-year university to pursue a degree in engineering, production technology or industrial technology. Students can also choose to step directly into the exciting world of the automotive aftermarket or new vehicle production where a number of entry-level positions await the highly-motivated student.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 291</td>
<td>Engine Performance Enhancements and Tuning</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 295</td>
<td>Engine Design</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 296</td>
<td>Cylinder Head Development</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 297</td>
<td>Cylinder Block Development</td>
<td>4</td>
</tr>
</tbody>
</table>

**Select at least eight (8) units from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 299</td>
<td>Engine Dynamometer Operation and Testing Procedures</td>
<td>2</td>
</tr>
<tr>
<td>BUS 130</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 132</td>
<td>Ethics in Business</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 108</td>
<td>Philosophy/Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BUS 170</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>DRAF 160</td>
<td>Intermediate Computer Aided Design (CAD)</td>
<td>2.5</td>
</tr>
<tr>
<td>PHYS 110</td>
<td>Introduction to College Physics</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 230A</td>
<td>Automotive Service and Repair Work Experience A</td>
<td>1</td>
</tr>
<tr>
<td>AUTO 230B</td>
<td>Automotive Service and Repair Work Experience B</td>
<td>2</td>
</tr>
<tr>
<td>AUTO 230C</td>
<td>Automotive Service and Repair Work Experience C</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 230D</td>
<td>Automotive Service and Repair Work Experience D</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 695A</td>
<td>Special Topics: Automotive Technology</td>
<td>0.5</td>
</tr>
<tr>
<td>AUTO 695B</td>
<td>Special Topics: Automotive Technology</td>
<td>1</td>
</tr>
<tr>
<td>AUTO 695C</td>
<td>Special Topics: Automotive Technology</td>
<td>2</td>
</tr>
<tr>
<td>AUTO 695D</td>
<td>Special Topics: Automotive Technology</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 696A</td>
<td>Special Topics: Automotive Technology</td>
<td>0</td>
</tr>
<tr>
<td>AUTO 696B</td>
<td>Special Topics: Automotive Technology</td>
<td>0.5</td>
</tr>
<tr>
<td>AUTO 696C</td>
<td>Special Topics: Automotive Technology</td>
<td>0.5</td>
</tr>
<tr>
<td>AUTO 696D</td>
<td>Special Topics: Automotive Technology</td>
<td>1</td>
</tr>
</tbody>
</table>

Work Experience AUTO 230 A-D and Special Topics AUTO 695 A-D or 696 A-D require department approval.

**Total Units 23**

**Certificate of Achievement Level Student Learning Outcomes**

Students completing the Automotive Research and Development Certificate of Achievement will:

1. Be able to test and evaluate the design of systems that effect performance, emissions, energy production and consumption and will either enter the automotive aftermarket.
industry as a research and development technician or transfer to a four-year school to continue their education in technology and engineering.

Automotive Service, Diagnosis, and Repair—Master Technician

The courses listed in the Automotive Service, Diagnosis and Repair - Master Technician certificate meet the National Automotive Technicians’ Education Foundation Standards and are selected to provide a comprehensive set of job skills needed in the automotive industry. In addition to improving the student’s employability, the skills developed in the program will enhance their ability to become an Automotive Service Excellence (ASE) Master Technician. The certificate is designed to prepare an individual for employment or provide the skills needed for career advancement in the automotive industry.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 101</td>
<td>Fundamentals of Automotive Service, Diagnosis and Repair</td>
<td>6</td>
</tr>
<tr>
<td>AUTO 151</td>
<td>Engine Service, Diagnosis and Repair</td>
<td>6</td>
</tr>
<tr>
<td>AUTO 154</td>
<td>Chassis Service, Diagnosis and Repair</td>
<td>8</td>
</tr>
<tr>
<td>AUTO 156</td>
<td>Automotive Electrical/Electronic Systems I</td>
<td>5</td>
</tr>
<tr>
<td>AUTO 162</td>
<td>Drivetrain Service, Diagnosis and Repair</td>
<td>8</td>
</tr>
<tr>
<td>AUTO 166</td>
<td>Automotive Electrical/Electronic Systems II</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 167</td>
<td>Automotive HVAC Service, Diagnosis &amp; Repair</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 168</td>
<td>Engine Control Systems Service, Diagnosis and Repair</td>
<td>8</td>
</tr>
</tbody>
</table>

Select four (4) units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 230A</td>
<td>Automotive Service and Repair Work Experience A</td>
<td>1</td>
</tr>
<tr>
<td>AUTO 230B</td>
<td>Automotive Service and Repair Work Experience B</td>
<td>2</td>
</tr>
<tr>
<td>AUTO 230C</td>
<td>Automotive Service and Repair Work Experience C</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 230D</td>
<td>Automotive Service and Repair Work Experience D</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Units 51**

Certificate of Achievement Level Student Learning Outcomes

Students completing the Automotive Service, Diagnosis, and Repair - Master Technician Certificate of Achievement will:

1. Verify the customer’s vehicle complaint, diagnose the failure or find the vehicle operating as designed, estimate the labor and parts cost, and make a clear needs/recommendations statement on the repair order citing both complaint and cause. In addition, once the student receives authorization, the student will service and/or repair the vehicle to industry standards, verify the repair has corrected the customer’s complaint and document the remedy within the “customer pay” labor time available in Mitchell, ALLDATA or other approved labor estimating manual.

Automotive Service, Diagnosis, and Repair—Toyota/Lexus/Scion Technician

The courses listed in the Automotive Service, Diagnosis and Repair - Toyota/Lexus/Scion Technician Certificate of Achievement are selected to provide a comprehensive set of job skills needed by Toyota, Lexus and Scion technicians. In addition to improving the student’s employability, the skills developed in each course will enhance their ability to become Automotive Service Excellence (ASE) certified in all eight ASE areas. The certificate is designed to prepare an individual for employment or provide the skills needed for career advancement.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 101</td>
<td>Fundamentals of Automotive Service, Diagnosis and Repair</td>
<td>5</td>
</tr>
<tr>
<td>AUTO 151</td>
<td>Engine Service, Diagnosis and Repair</td>
<td>6</td>
</tr>
<tr>
<td>AUTO 154</td>
<td>Chassis Service, Diagnosis and Repair</td>
<td>8</td>
</tr>
<tr>
<td>AUTO 156</td>
<td>Automotive Electrical/Electronic Systems I</td>
<td>5</td>
</tr>
<tr>
<td>AUTO 162</td>
<td>Drivetrain Service, Diagnosis and Repair</td>
<td>8</td>
</tr>
<tr>
<td>AUTO 166</td>
<td>Automotive Electrical/Electronic Systems II</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 167</td>
<td>Automotive HVAC Service, Diagnosis &amp; Repair</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units 51**
AUTO 168  Engine Control Systems Service, Diagnosis and Repair  8
AUTO 281  Advanced Toyota Certified Technician Training  6.5
AUTO 281 is a capstone course and must be taken after all other major coursework is completed.

Plus four (4) units from the following:
AUTO 230A  Automotive Service and Repair Work Experience A  1
AUTO 230B  Automotive Service and Repair Work Experience B  2
AUTO 230C  Automotive Service and Repair Work Experience C  3
AUTO 230D  Automotive Service and Repair Work Experience D  4

Total Units 56.5

Certificate of Achievement Level Student Learning Outcomes
Students completing the Automotive Service, Diagnosis and Repair - Toyota/Lexus/Scion Technician Certificate of Achievement will:
1. Given any Toyota/Lexus/Scion vehicle complaint: verify the customer’s complaint; diagnose the failure or find the vehicle operating as designed; estimate the labor and parts cost, and make a clear needs/recommendations statement on the repair order citing both complaint and cause. In addition, once the student receives authorization, the student will service and/or repair the vehicle to industry standards; verify the repair has corrected the customer’s complaint and document the remedy within the “customer pay” labor time available in the Toyota flat-rate manual.

Automotive Service, Diagnosis, and Repair—Undercar/Drivetrain Specialist
The courses listed in the Undercar/Drivetrain Specialist Certificate of Achievement are selected to provide a comprehensive set of job skills needed for a technician specializing in undercar/drivetrain service, diagnosis and repair. In addition to improving the student’s employability, the skills developed in each course will enhance their ability to become Automotive Service Excellence (ASE) A2, A3, A4 and A5 certified. The certificate is designed to prepare an individual for employment or provide the skills needed for career advancement in the automotive industry.

Required core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 101</td>
<td>Fundamentals of Automotive Service, Diagnosis</td>
<td>5</td>
</tr>
<tr>
<td>AUTO 156</td>
<td>Automotive Electrical/Electronic Systems I</td>
<td>5</td>
</tr>
<tr>
<td>AUTO 154</td>
<td>Chassis Service, Diagnosis, and Repair</td>
<td>8</td>
</tr>
<tr>
<td>AUTO 162</td>
<td>Drivetrain Service, Diagnosis and Repair</td>
<td>8</td>
</tr>
</tbody>
</table>

Total Units 26

Certificate of Achievement Level Student Learning Outcomes
Students completing the Automotive Service, Diagnosis and Repair - Undercar/Drivetrain Specialist Certificate of Achievement will:
1. Given any chassis or drivetrain related complaint: verify the customer’s complaint; diagnose the failure or find the vehicle operating as designed; estimate the labor and parts cost, and, make a clear needs/recommendations statement on the repair order citing both complaint and cause. In addition, once the student receives authorization, the student will service and/or repair the vehicle to industry standards, verify the repair has corrected the customer’s complaint and document the remedy within the “customer pay” labor time available in Mitchell, ALLDATA or other approved labor estimating manuals.

Automotive Service, Diagnosis, and Repair—Underhood Specialist
The courses listed in the Underhood Specialist Certificate of Achievement are selected to provide a comprehensive set of job skills needed for a technician specializing in underhood service, diagnosis and repair. In addition to improving the student’s employability, the skills developed in each course will enhance their ability to become Automotive Service Excellence (ASE) A1, A6, A7 and A8 certified. The certificate is designed to prepare an individual for employment or provide the skills needed for career advancement in the automotive industry.

Required core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 101</td>
<td>Fundamentals of Automotive Service, Diagnosis</td>
<td>5</td>
</tr>
<tr>
<td>AUTO 151</td>
<td>Engine Service, Diagnosis and Repair</td>
<td>6</td>
</tr>
<tr>
<td>AUTO 156</td>
<td>Automotive Electrical/Electronic Systems I</td>
<td>5</td>
</tr>
</tbody>
</table>
AUTO 166 Automotive Electrical/Electronic Systems II 3
AUTO 167 Automotive HVAC Service, Diagnosis and Repair 3
AUTO 168 Engine Control Systems Service, Diagnosis and Repair 8

Total Units 30

Certificate of Achievement Level Student Learning Outcomes
Students completing the Automotive Service, Diagnosis & Repair - Underhood Specialist Certificate of Achievement will:
1. Given any engine related, climate control or charging/starting system vehicle complaint: verify the customer’s complaint; diagnose the failure or find the vehicle operating as designed; estimate the labor and parts cost; and make a clear needs/recommendations statement on the repair order citing both complaint and cause. In addition, once the student receives authorization, the student will service and/or repair the vehicle to industry standards; verify the repair has corrected the customer’s complaint, and document the remedy within the “customer pay” labor time available in Mitchell, ALLDATA or other approved labor estimating manual.

Biomanufacturing
New Certificate, pending Chancellor’s Office approval

Ceramics—One Year
Required core courses:
ART 111 Beginning Drawing 3
ART 120 Two-Dimensional Design 3
ART 140 Beginning Ceramics 3
ART 141 Intermediate Ceramics 3
ART 145 Ceramic Design and Decoration 3

Select two (2) of the following:
ART 104 Art History and Appreciation - 19th Century Art 3
ART 105 Art History and Appreciation - Early 20th Century Art 3
ART 115 Figure Drawing I 3
ART 130 Beginning Painting 3
ART 180 Beginning Clay Sculpture 3
PHTO 101 Basic Photography 3

Employment opportunity:
Studio Potter, Ceramic Shop (retail) Total Units 21

Ceramics—Two Year
Required core courses: Units
Ceramics—One Year Certificate of Achievement 21
ART 112 Intermediate Drawing 3
ART 121 Three-Dimensional Design 3
ART 240 Advanced Ceramics I 3
ART 241 Advanced Ceramics II 3

Select two (2) of the following:
ART 180 Beginning Clay Sculpture 3
ART 181 Intermediate Clay Sculpture 3
ART 182 Advanced Clay Sculpture I 3
ART 183 Advanced Clay Sculpture II 3
BUS 185 Elements of Marketing 3
PHTO 101 Basic Photography 3

Employment opportunity:
Studio Potter, Ceramics Shop (Retail) Total Units 39

Certificate of Achievement Level Student Learning Outcomes
Students completing the Ceramics - Two Year Certificate of Achievement will:
1. Utilize proper vocabulary in the study and discussion of visual arts and art history.
2. Analyze and create examples in a variety of styles within a studio environment.
3. Research, identify, and evaluate historical periods in art history.
4. Recognize how societies’ world views influence visual arts and art history traditions.
Child Development Teacher
Courses in this certificate lead to the child development associate degree or careers in the field of child development and early childhood education. Completion of the program prepares students to work as a child development aide, assistant teacher, or teacher in a variety of early childhood programs.

Required core courses: Units
CHLD 110 Early Childhood Development 3
or
PSY 206 Child Growth and Development 3
CHLD 112 Principles of Early Childhood Education I 3
CHLD 114 Home-Child-Community Relations 3
CHLD 154 Observing and Recording Behavior 3

Select nine (9) units from the following:
CHLD 116 Introduction to Curriculum 3
CHLD 120 Literacy for Children 3
CHLD 121 Art for Children 2
CHLD 122 Music and Rhythms for Children 2
CHLD 123 Science Experiences for Children 1
CHLD 124 Math for Children 1
CHLD 134 Parent-Child Interaction 3
CHLD 144 Health, Safety and Nutrition for Young Children 3
CHLD 150 Multi-Culture Anti-Bias Classrooms 3
CHLD 160 Perceptual Motor and Movement Activities 2
CHLD 164 The Child with Special Needs 3
CHLD 166 Speech and Language Development and Disorders 2

Required supervised teaching experience:
CHLD 156 Practicum in Early Childhood Education 2
CHLD 156L Practicum A Lab 1

Also required: 16
16 units of general education: one course minimum in each of the categories - English/language arts, math or science, social sciences, humanities and/or fine arts, any general education elective excluding PE. These GE courses must qualify for graduation credit.

PERMIT INFORMATION: This certificate of achievement meets the educational requirements for the Teacher Permit through the California Commission on Teacher Credentialing. All coursework must be completed with the grade of C or better to meet permit requirements. In order to apply for the State Permit, students must complete 175 days of 3 or more hours per day of qualifying work experience with young children within 4 years. Specific details may be found at www.ctc.ca.gov

Total Units 40

Certificate of Achievement Level Student Learning Outcomes
Students completing the Child Development Teacher Certificate of Achievement will:
1. Acquire knowledge and foundational skills necessary to work in the teaching profession.
2. Design, implement and evaluate environments and activities that support positive, developmental play and learning outcomes for children.
3. Demonstrate the ability to identify, analyze, and apply theories of early childhood education and child development.
4. Apply effective guidance and teaching strategies that support social growth, learning, and identity development and promote self-confidence.

Child Development—Master Teacher
This certificate of achievement is designed for the early childhood professional who is seeking career advancement and the educational requirements for the lead teacher or "Master Teacher" job or employment category.

The certificate program prepares the employed child development teacher to function as a lead or mentor teacher to students in training or other adults working in the same environment. May be eligible to participate in the Mentor Teacher Program, which includes a stipend for professional development and for supervising identified students in training.

Required core courses: Units
CHLD 194 Personnel Issues in Adult Supervision and Mentoring 3
Area of specialization units          6

The "area of specialization" units are above and beyond the child development unit requirements for the Teacher Certificate. The 6 units in your "area of specialization" may not be counted twice and should focus on one specific area of service, instruction, or curriculum. Examples of specializations: Infant/Toddler, Teacher/Family Relations, Music/Movement Experiences, Children with Special Needs, Speech and Language Development, Health and Safety, Art and Creative Experiences, Multicultural/Bilingual Curriculum, Child Abuse/Children at Risk, Literacy/Children’s Literature.

Administration and core courses are NOT acceptable specializations. CHLD 110, 111, PSY 206, CHLD 114, 190, 191 and 194 cannot be used for the "area of specialization."

PERMIT INFORMATION: This certificate of achievement meets the educational requirements for the Master Teacher Permit through the California Commission on Teacher Credentialing. All course work must be completed with a grade of C or better to meet permit requirements. In order to apply for the State Permit, students must complete 350 days of 3 or more hours per day of qualifying work experience with young children within 4 years. Specific details may be found at [www.ctc.ca.gov](http://www.ctc.ca.gov)

| Total Units 49 |

Certificate of Achievement Level Student Learning Outcomes

Students completing the Child Development - Master Teacher Certificate of Achievement will:

1. Acquire knowledge and foundational skills necessary to work in the teaching profession.
2. Demonstrate global consciousness in order to be an effective professional working with children and families from diverse cultural backgrounds.
3. Apply ethical standards and professional behaviors that demonstrate an understanding, a knowledge, and a deepening commitment to the child development profession and early childhood education.
4. Apply effective guidance and teaching strategies that support social growth, learning, and identity development and promote self-confidence.

Child Development Master Teacher—Early Intervention

This certificate of achievement is designed for the experienced teacher who desires to develop the additional skills and knowledge necessary to work with exceptional children in a special education or inclusive setting. This inclusive training program meets the education requirements for child development master teacher. Emphasis is placed on working with young children with special needs in preschool and in early intervention programs.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHLD 110</td>
<td>Early Childhood Development</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 206</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>CHLD 112</td>
<td>Principles of Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>CHLD 114</td>
<td>Home-Child-Community Relations</td>
<td>3</td>
</tr>
<tr>
<td>CHLD 120</td>
<td>Literacy for Children</td>
<td>3</td>
</tr>
<tr>
<td>CHLD 150</td>
<td>Multi-Culture Anti-Bias Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>CHLD 154</td>
<td>Observing and Recording Behavior</td>
<td>3</td>
</tr>
<tr>
<td>CHLD 156</td>
<td>Practicum in Early Childhood Education</td>
<td>2</td>
</tr>
<tr>
<td>CHLD 156L</td>
<td>Practicum A Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHLD 160</td>
<td>Perceptual Motor and Movement Activities</td>
<td>2</td>
</tr>
<tr>
<td>CHLD 164</td>
<td>The Child with Special Needs</td>
<td>3</td>
</tr>
<tr>
<td>CHLD 166</td>
<td>Speech and Language Development and Disorders</td>
<td>2</td>
</tr>
<tr>
<td>CHLD 168</td>
<td>Developmental Risk: Infants and Toddlers</td>
<td>2</td>
</tr>
<tr>
<td>CHLD 169</td>
<td>Managing Challenging and Disruptive Behaviors</td>
<td>1</td>
</tr>
<tr>
<td>CHLD 194</td>
<td>Personnel Issues in Adult Supervision and Mentoring</td>
<td>3</td>
</tr>
</tbody>
</table>

Also, 16 diversified general education units within the areas of English, math/science, social sciences, humanities or fine arts, any general education excluding PE. GE classes must count for graduation credit. Please see an academic counselor or adviser.
PERMIT INFORMATION: Certificate meets the educational requirements for the Master Teacher Permit through the California Commission on Teacher Credentialing. All coursework must be completed with the grade of C or better to meet permit requirements. In order to apply for the State Permit, students must complete 350 days of 3 or more hours per day of qualifying work experience with young children within four years. Specific details may be found at www.ctc.ca.gov

Recommended: 100 hours of the 350 hours should be in a special education setting if the student is seeking the State permit.

Employment opportunity:
Child Development Master Teacher with emphasis in young children with special needs

Total Units 50

Certificate of Achievement Level Student Learning Outcomes
Students completing the Child Development Master Teacher - Early Intervention Certificate of Achievement will:
1. Apply ethical standards and professional behaviors that demonstrate understanding, knowledge, and a deepening commitment to the child development profession and early childhood education.
2. Design, implement and evaluate environments and activities that support positive, developmental play and learning outcomes for children.
3. Demonstrate the ability to identify, analyze, and apply theories of early childhood education and child development.
4. Apply effective guidance and teaching strategies that will support social growth, learning, identity development and promote self-confidence.

Commercial Dance
The Citrus College Commercial Dance Certificate of achievement Program provides a vast array of opportunities in the field of dance to the community college student. These include instruction to the vocational student in ballet, jazz, tap, hip-hop and musical theatre technique in order to prepare them for employment in the professional dance world.

The program conforms to the mission of Citrus College in that it seeks to provide transfer and associate degree courses and improve the local work force in the commercial dance field.

<table>
<thead>
<tr>
<th>Required core courses:</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DANC 158 Beginning Hip-Hop Dance Techniques</td>
<td>1</td>
</tr>
<tr>
<td>DANC 159 Beginning Tap</td>
<td>1</td>
</tr>
<tr>
<td>DANC 160 Jazz Dance Techniques</td>
<td>1</td>
</tr>
<tr>
<td>DANC 162 Beginning Ballet</td>
<td>1</td>
</tr>
<tr>
<td>DANC 258 Intermediate Hip-Hop Dance</td>
<td>1</td>
</tr>
<tr>
<td>DANC 259 Intermediate Tap I</td>
<td>1</td>
</tr>
<tr>
<td>DANC 260 Intermediate Jazz Dance I</td>
<td>1</td>
</tr>
<tr>
<td>DANC 262 Intermediate Ballet I</td>
<td>1</td>
</tr>
<tr>
<td>DANC 269 Intermediate Tap II</td>
<td>1</td>
</tr>
<tr>
<td>DANC 270 Intermediate Jazz Dance II</td>
<td>1</td>
</tr>
<tr>
<td>DANC 272 Intermediate Ballet II</td>
<td>1</td>
</tr>
<tr>
<td>DANC 279 Advanced Tap I</td>
<td>1</td>
</tr>
<tr>
<td>DANC 281 Advanced Jazz Dance I</td>
<td>1</td>
</tr>
<tr>
<td>DANC 292 Advanced Ballet I</td>
<td>1</td>
</tr>
</tbody>
</table>

Select 12-14 units from the following:

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DANC 102 History of Dance</td>
</tr>
<tr>
<td>DANC 130 Alignment and Correctives</td>
</tr>
<tr>
<td>DANC 172 Composition in Group Forms</td>
</tr>
<tr>
<td>DANC 263A Dance for Musical Theatre-Beginning</td>
</tr>
<tr>
<td>DANC 263B Dance for Musical Theatre-Intermediate</td>
</tr>
<tr>
<td>DANC 264 Beginning Popular Dance Techniques</td>
</tr>
<tr>
<td>DANC 265A Musical Staging: Rehearsal and Performance- Beginning</td>
</tr>
<tr>
<td>DANC 265B Musical Staging: Rehearsal and Performance- Intermediate</td>
</tr>
<tr>
<td>DANC 266 Pop Dance: Rehearsal and Performance- Beginning</td>
</tr>
<tr>
<td>DANC 284 Intermediate Popular Dance Techniques</td>
</tr>
<tr>
<td>DANC 289 Dance Concert Production</td>
</tr>
<tr>
<td>DANC 296 Pop Dance: Rehearsal and Performance- Intermediate</td>
</tr>
</tbody>
</table>

Total Units 26 - 28

Certificate of Achievement Level Student Learning Outcomes
Students completing the Commercial Dance Certificate of Achievement will:
1. Demonstrate intermediate to advanced proficiency in various commercial dance techniques and basic dance pedagogy.
Computer Aided Design (CAD)
Architecture and Drafting
This Computer Aided Design (CAD) Architecture and Drafting Certificate of Achievement provides a foundation for such majors as Architecture, Drafting and Computer Generated Imagery.

Strongly recommended preparation: Units
DRAF 101 Beginning Computer Aided Design (CAD) 3
or
One year of high school drafting or industry drafting experience.

Required core courses:
ARCH 100 Introduction to Architecture 3
ARCH 110 Introduction to Architectural Communication and Functional Design 3
ARCH 111 Basic Architectural Design 3
DRAF 160 Intermediate Computer Aided Design (CAD) 2.5
DRAF 161 Advanced Computer Aided Design (CAD) 2.5

Select one (1) of the following:
ARCH 102 Visual Communication 2.5
DRAF 102 Visual Communication 2.5

Select one (1) of the following:
ARCH 200 Portfolio Preparation 3
DRAF 103 Advanced Engineering Drawing 3

Employment opportunities:
Entry-level Computer Aided Design (CAD) - Cadperson/Draftsperson

Total Units 19.5

Certificate of Achievement Level Student Learning Outcomes
Students completing the Computer Aided Design (CAD)-Architecture and Drafting Certificate of Achievement will:
1. Describe effective drafting techniques including graphic communication, orientation, and decision making.
2. Demonstrate the ability to use technology to prepare hand drawings, Computer Aided Drawings (CAD), drawings, and multimedia presentations.
3. Demonstrate planning techniques and administration of document control for design and working drawings.
4. Demonstrate the ability to estimate time, material, labor, and equipment for design and working drawings.

Computer Generated Imagery
This program provides course work for majors such as architecture, computer generated imagery (CGI), engineering and animation. Design principles, CAD and animation systems are applied to problems in animation, architecture, landscape architecture, urban planning and engineering. Proper and efficient methods of sketching, story boarding, 3D digital models, animations and multifaceted presentations are examined.

Required core courses:
ARCH 200 Portfolio Preparation 3
ART 111 Beginning Drawing 3
ART 115 Figure Drawing I 3
ART 120 Two-Dimensional Design 3
DRAF 160 Intermediate Computer Aided Design (CAD) 2.5
DRAF 161 Advanced Computer Aided Design (CAD) 2.5
DRAF 290 Introduction to Maya Practices 3

Select one (1) of the following:
ARCH 102 Visual Communication 2.5
DRAF 102 Visual Communication 2.5

Employment opportunity:
Entry-level - Animation Modeler

Total Units 22.5

Certificate of Achievement Level Student Learning Outcomes
Students completing the Computer Generated Imagery (CGI) Certificate of Achievement will:
1. Describe effective Computer Generated Imagery (CGI) techniques including graphic communication, orientation, and decision making.
2. Demonstrate the ability to use technology to prepare Computer Generated Imagery (CGI) drawings, Computer Aided Drawings (CAD), animations and multimedia presentations.
3. Demonstrate Computer Generated Imagery (CGI) planning techniques and administration of file control for CGI design and animation.
4. Demonstrate the ability to estimate time, material, labor and equipment for Computer Generated Imagery (CGI) design and animation.
**Correctional Science**
The Certificate of Achievement in Correctional Science provides the student with a base of knowledge for entry-level positions such as corrections officer, custody assistant, or jailer in institutional and community corrections, as well as private and paraprofessional positions at local, state, and federal levels.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 130</td>
<td>Introduction to Probation and Parole</td>
<td>3</td>
</tr>
<tr>
<td>AJ 131</td>
<td>Introduction to Corrections</td>
<td>3</td>
</tr>
<tr>
<td>AJ 135</td>
<td>Control and Supervision in Corrections</td>
<td>3</td>
</tr>
<tr>
<td>AJ 137</td>
<td>Legal Aspects of Corrections</td>
<td>3</td>
</tr>
<tr>
<td>AJ 133</td>
<td>Correctional Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 101</td>
<td>Reading and Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 101H</td>
<td>Reading and Composition - Honors</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select two (2) of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 101</td>
<td>Introduction to the Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 102</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>AJ 103</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
</tr>
<tr>
<td>AJ 108</td>
<td>Juvenile Procedures</td>
<td>3</td>
</tr>
<tr>
<td>AJ 109</td>
<td>Criminal Procedures</td>
<td>3</td>
</tr>
<tr>
<td>AJ 112</td>
<td>Community and the Justice System</td>
<td>3</td>
</tr>
<tr>
<td>AJ 136</td>
<td>Correctional Interviewing and Counseling</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units:** 21

**Certificate of Achievement Level Student Learning Outcomes**

Students completing the Correctional Science Certificate of Achievement will:

1. Identify legal responsibilities and inmate rights as they apply to institutional and community oriented corrections.
2. Demonstrate knowledge of the function, duties, and responsibilities of the correctional component of the criminal justice system.
3. Recognize the requirements for entry level employment and the selection and training mandates for correctional personnel at the local, state, and federal levels.

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**Cosmetology**

*Modified certificate, pending Chancellor’s Office approval.*

The Cosmetology Certificate is a comprehensive curriculum that prepares students for a wide range of careers within the beauty industry. The curriculum offers theoretical and practical disciplines as well as interactive demonstrations and hands-on applications that train students to possess knowledge, language and skills for career opportunities in haircutting, hairstyling, colorist, chemical specialist, skin and nail spas, sales and entrepreneurship. Students will understand the importance of professionalism and artistic endeavor in this diverse industry through inspiration and challenge. This program of study also enables students to prepare for and pass the California State Board Exam of Cosmetology.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COS 141</td>
<td>Introduction to Cosmetology</td>
<td>11</td>
</tr>
<tr>
<td>COS 151</td>
<td>Business Fundamentals and Licensing Preparation</td>
<td>4.5</td>
</tr>
<tr>
<td>COS 161</td>
<td>Haircolor</td>
<td>8</td>
</tr>
<tr>
<td>COS 181</td>
<td>Haircutting</td>
<td>8</td>
</tr>
<tr>
<td>COS 185</td>
<td>Skin and Nail Care</td>
<td>9</td>
</tr>
<tr>
<td>COS 191</td>
<td>Hair Design</td>
<td>8</td>
</tr>
<tr>
<td>COS 201</td>
<td>Texture</td>
<td>8</td>
</tr>
</tbody>
</table>

**Total Units:** 56.5

**Certificate of Achievement Level Student Learning Outcomes**

Students completing the Cosmetology Certificate of Achievement will:

1. Be prepared to pass the State Board Exam and acquire California State licensure.
2. Be trained theoretically and practically in the disciplines of: haircutting, haircoloring, chemical training, skin/nails, hairstyling necessary for the professional stylist.
3. Be inspired and challenged artistically through industry competitions, projects, community service and collaborative work with partnering college disciplines.

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**Criminal Justice**

*Modified certificate (was Administration of Justice), pending Chancellor’s Office approval.*
CSUGE
This certificate is designed for students planning to transfer to the California State University (CSU) System. It offers students a program of study which meets the CSU General Education requirements. Although the certificate recognizes the completion of lower division CSU general education requirements, it does not guarantee admission to a specific campus within the CSU system nor does it guarantee admission to a specific major. Some majors and colleges may require a different lower division preparation and/or a higher GPA than is necessary for this certificate.

Students who intend to transfer must meet all current CSU admissions requirements for transfer. Students are strongly advised to meet with a counselor to discuss transfer requirements and lower division major preparation that is needed for their intended transfer school.

Area A: English Language, Communication and Critical Thinking
Complete one in each category for a total 9 semester/12 quarter units.

A1. Oral Communication - Select one (1) of the following:
- SPCH 100 Interpersonal Communication 3
- SPCH 101 Public Address 3
- SPCH 101H Public Address - Honors 3
- SPCH 103 Argumentation and Debate 3
- SPCH 106 Small Group Communication 3

A2. Written Communication - Select one (1) of the following:
- ENGL 101 Reading and Composition 3
- ENGL 101H Reading and Composition - Honors 3

A3. Critical Thinking - Select one (1) of the following:
- ENGL 103 Composition and Critical Thinking 3
- ENGL 103H Composition and Critical Thinking - Honors 3
- ENGL 104 Argumentative Writing and Critical Thinking 3

Area B: Scientific Inquiry and Quantitative Reasoning
No fewer than 9 semester/12 quarter units. One course from biological sciences, physical sciences and mathematics.

At least one science course must be a laboratory course. Courses listed in bold meet this requirement.

B1. Physical Sciences - Select one (1) of the following:
- ASTR 115 Planetary Astronomy 3
- ASTR 115H Planetary Astronomy - Honors 3
- ASTR 116 Stellar Astronomy 4
- ASTR 117 Life In The Universe 3
- CHEM 103 College Chemistry 5
- CHEM 104 College Chemistry 5
- CHEM 106 Physical Science for Educators 4
- CHEM 110 Beginning General Chemistry 5
- CHEM 111 General Chemistry 5
- CHEM 112 General Chemistry 5
- CHEM 210 Organic Chemistry A 3
- CHEM 220 Organic Chemistry B 3
- ESCI 106 Earth and Space Science for Educators 4
- ESCI 119 Physical Geology without laboratory 3
- ESCI 120 Physical Geology 4
- ESCI 121 Historical Geology 4
- ESCI 122 Earth History 3
- ESCI 130 Physical Oceanography 3
- GEOG 118 Physical Geography 3
- PHYS 106 Physical Science for Educators 3
- PHYS 110 Introduction to College Physics 4
- PHYS 111 Physics for Life Sciences I 4
- PHYS 112 Physics for Life Sciences II 4
- PHYS 201 Physics A: Mechanics 5
- PHYS 202 Physics B: Thermodynamics and Electromagnetism 5
- PHYS 203 Physics C: Waves, Optics & Modern Physics 5

B2. Biological Sciences - Select one (1) of the following:
- ANTH 212 Introduction to Physical Anthropology 3
- BIOL 102 Human Genetics 3
- BIOL 104 Biology: Contemporary Topics 3
- BIOL 105 General Biology 4
- BIOL 105H General Biology 4
- BIOL 109 Biology for Educators 4
- BIOL 124 Principles of Biology I 5
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 125</td>
<td>Principles of Biology II</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 145</td>
<td>Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 200</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 201</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 220</td>
<td>Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>PSY 102</td>
<td>Psychobiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 145</td>
<td>Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 200</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 201</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 220</td>
<td>Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>PSY 102</td>
<td>Psychobiology</td>
<td>3</td>
</tr>
</tbody>
</table>

**B4. Mathematics/Qualitative Reasoning - Select one (1) of the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 151</td>
<td>Plane Trigonometry</td>
<td>4</td>
</tr>
<tr>
<td>MATH 160</td>
<td>Survey of Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>MATH 162</td>
<td>Introductory Mathematical Analysis</td>
<td>4</td>
</tr>
<tr>
<td>MATH 165</td>
<td>Introductory Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MATH 168</td>
<td>Mathematics for Elementary Teachers I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 169</td>
<td>Mathematics for Elementary Teachers II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 170</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 175</td>
<td>Pre-Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 190</td>
<td>Calculus with Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 191</td>
<td>Calculus with Analytic Geometry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 210</td>
<td>Calculus with Analytic Geometry III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 211</td>
<td>Differential Equations</td>
<td>5</td>
</tr>
<tr>
<td>MATH 212</td>
<td>Introduction to Linear Algebra</td>
<td>4</td>
</tr>
<tr>
<td>PSY 103</td>
<td>Statistics for the Social and Behavioral Sciences</td>
<td>3</td>
</tr>
</tbody>
</table>

**Area C: Arts and Humanities**

No fewer than 9 semester/12 quarter units. Choose one course from arts and one from humanities, plus an additional course in either arts or humanities.

**C1. Arts - Select at least one (1) of the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 250</td>
<td>History of Architecture: Prehistory to Mannerism.</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 251</td>
<td>History of Architecture: Baroque to the Present Day</td>
<td>3</td>
</tr>
<tr>
<td>ART 100A</td>
<td>Survey of Western Art from Prehistory through the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>ART 100B</td>
<td>Survey of Western Art from Renaissance to Contemporary</td>
<td>3</td>
</tr>
<tr>
<td>ART 101</td>
<td>Art History and Appreciation - Ancient</td>
<td>3</td>
</tr>
<tr>
<td>ART 102</td>
<td>Art History and Appreciation - Medieval</td>
<td>3</td>
</tr>
<tr>
<td>ART 103</td>
<td>Art History and Appreciation - Renaissance to Rococo</td>
<td>3</td>
</tr>
</tbody>
</table>

**C2. Humanities - Select at least one (1) of the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 102</td>
<td>Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 213</td>
<td>Horror Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 213H</td>
<td>Horror Literature - Honors</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 216</td>
<td>American Latino Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 251</td>
<td>Introduction to English Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 252</td>
<td>Introduction to English Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 261</td>
<td>Introduction to U.S. American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 262</td>
<td>Introduction to U.S. American Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 271</td>
<td>Introduction to World Literature: Ancient - Early Modern</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 272</td>
<td>Introduction to World Literature: 1600’s through Twentieth Century</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 291</td>
<td>Film as Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 291H</td>
<td>Film as Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 293</td>
<td>Children's Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 293H</td>
<td>Children's Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 294</td>
<td>Introduction to Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 298</td>
<td>Literature of the Bible</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Units</td>
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<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
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</tr>
<tr>
<td>FREN 101</td>
<td>French I</td>
<td>3</td>
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<tr>
<td>FREN 101</td>
<td>French II</td>
<td>3</td>
</tr>
<tr>
<td>GER 101</td>
<td>German I</td>
<td>5</td>
</tr>
<tr>
<td>GER 102</td>
<td>German II</td>
<td>5</td>
</tr>
<tr>
<td>GER 201</td>
<td>German III</td>
<td>5</td>
</tr>
<tr>
<td>GER 202</td>
<td>German IV</td>
<td>5</td>
</tr>
<tr>
<td>HIST 103</td>
<td>History of World Civilization up to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 103H</td>
<td>History of World Civilization up to 1500 - Honors</td>
<td>3</td>
</tr>
<tr>
<td>HIST 104</td>
<td>History of World Civilization since 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 107</td>
<td>History of the United States before 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 107H</td>
<td>History of the United States before 1877 - Honors</td>
<td>3</td>
</tr>
<tr>
<td>HIST 108</td>
<td>History of the United States from 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 108H</td>
<td>History of the United States from 1877 - Honors</td>
<td>3</td>
</tr>
<tr>
<td>HIST 130</td>
<td>Latin American Culture and Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 131</td>
<td>History of Latin America to 1825</td>
<td>3</td>
</tr>
<tr>
<td>HIST 132</td>
<td>History of Modern Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 140</td>
<td>History of the American West</td>
<td>3</td>
</tr>
<tr>
<td>HUM 101</td>
<td>Humanities - Prehistory through the Medieval Period</td>
<td>3</td>
</tr>
<tr>
<td>HUM 101H</td>
<td>Humanities - Prehistory through the Medieval Period - Honors</td>
<td>3</td>
</tr>
<tr>
<td>HUM 102</td>
<td>Humanities from the Renaissance through the 19th Century</td>
<td>3</td>
</tr>
<tr>
<td>HUM 110</td>
<td>Humanities in the 20th Century</td>
<td>3</td>
</tr>
<tr>
<td>HUM 120</td>
<td>British Civilization</td>
<td>3</td>
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<tr>
<td>HUM 123</td>
<td>Strategies for Peace - Saving Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HUM 127</td>
<td>Spanish Civilization</td>
<td>3</td>
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<tr>
<td>JPN 101</td>
<td>Japanese I</td>
<td>5</td>
</tr>
<tr>
<td>JPN 102</td>
<td>Japanese II</td>
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<tr>
<td>PHIL 101</td>
<td>Great Religions of the World</td>
<td>3</td>
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<tr>
<td>PHIL 106</td>
<td>Introduction to Philosophy</td>
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</tr>
<tr>
<td>PHIL 106H</td>
<td>Introduction to Philosophy - Honors</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 108</td>
<td>Philosophy/Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 131</td>
<td>Latin American Culture and Civilization</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 101</td>
<td>Spanish I</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 102</td>
<td>Spanish II</td>
<td>5</td>
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<tr>
<td>SPAN 127</td>
<td>Spanish Civilization</td>
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<tr>
<td>SPAN 130</td>
<td>Latin American Culture and Civilization</td>
<td>3</td>
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<tr>
<td>SPAN 201</td>
<td>Spanish III</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 202</td>
<td>Spanish IV</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 210</td>
<td>Intermediate Spanish for Speakers of Spanish</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 211</td>
<td>Reading and Composition for Speakers of Spanish II</td>
<td>5</td>
</tr>
</tbody>
</table>

**Area D: Social, Political and Economic Institutions and Behavior; Historical Background.**

No fewer than 9 semester/12 quarter units from at least two different disciplines.

**Select three (3) of the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 101</td>
<td>Introduction to the Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 102</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 210</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 210H</td>
<td>Introduction to Cultural Anthropology - Honors</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 212</td>
<td>Introduction to Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 216</td>
<td>Sex and Gender in a Cross Cultural Perspective</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 220</td>
<td>Introduction to Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>CHLD 110</td>
<td>Early Childhood Development</td>
<td>3</td>
</tr>
<tr>
<td>CHLD 111</td>
<td>Child Development Youth - Adolescence</td>
<td>3</td>
</tr>
<tr>
<td>CHLD 114</td>
<td>Home-Child-Community Relations</td>
<td>3</td>
</tr>
<tr>
<td>COMM 100</td>
<td>Mass Media and Society</td>
<td>3</td>
</tr>
<tr>
<td>ECON 100</td>
<td>Survey of Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101H</td>
<td>Principles of Macroeconomics - Honors</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ETHN 101</td>
<td>Introduction to Ethnic Studies</td>
<td>3</td>
</tr>
<tr>
<td>ETHN 116</td>
<td>Introduction to Chicano Studies</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 102</td>
<td>Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 103</td>
<td>History of World Civilization up to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 103H</td>
<td>History of World Civilization up to 1500 - Honors</td>
<td>3</td>
</tr>
<tr>
<td>HIST 104</td>
<td>History of World Civilization since 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 105</td>
<td>History of World Civilization - The 20th Century</td>
<td>3</td>
</tr>
<tr>
<td>HIST 107</td>
<td>History of the United States before 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 107H</td>
<td>History of the United States before 1877 - Honors</td>
<td>3</td>
</tr>
<tr>
<td>HIST 108</td>
<td>History of the United States from 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 108H</td>
<td>History of the United States from 1877 - Honors</td>
<td>3</td>
</tr>
<tr>
<td>HIST 109</td>
<td>The World in Conflict - The 20th Century, a History</td>
<td>3</td>
</tr>
</tbody>
</table>
### Certificate of Achievement Level Student Learning Outcomes

Students completing the CSUGE Certificate of Achievement will:

1. Communicate effectively, both verbally and in writing.
2. Critically analyze and solve problems using the appropriate technique for the issue at hand, including appropriate use of logic, mathematics, multi-disciplinary, and cultural considerations where applicable.
3. Critically examine the function, media, subject matter, organization, aesthetic, style, and relative excellence of representative examples of the arts, literature, philosophy, and foreign languages including approaches from various historical, cultural, and gender-based origins.
4. Develop an understanding of the information available, the perspectives and approaches of the physical, biological, social and behavioral sciences, appreciating the power and limits of these methods of inquiry as well as individual, ethical, and societal responsibilities.

### Dental Assisting

The Dental Assisting Program prepares students for the California State Registered Dental Assistant Examination. This program is accredited by the American Dental Association Commission on Accreditation and the Dental Board of California. Upon completion, the graduate is eligible to sit for the California State Registered Dental Assistant Examination and the National Certification Examination. Students
must maintain a minimum grade of C (75%) in all dental courses.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DENT 100 Dental Assisting Basics</td>
<td>2.5</td>
</tr>
<tr>
<td>DENT 101 Chairside Assisting</td>
<td>3</td>
</tr>
<tr>
<td>DENT 102 Dental Materials</td>
<td>2.5</td>
</tr>
<tr>
<td>DENT 121 Preclinical Dental Science</td>
<td>2</td>
</tr>
<tr>
<td>DENT 122 Infection Control in the Dental Office</td>
<td>1.5</td>
</tr>
<tr>
<td>DENT 123 Preventive Dental Health</td>
<td>2</td>
</tr>
<tr>
<td>DENT 124 Dental Specialties</td>
<td>2</td>
</tr>
<tr>
<td>DENT 125 Dental Practice Management</td>
<td>2</td>
</tr>
<tr>
<td>DENT 201 Dental Radiology</td>
<td>2</td>
</tr>
<tr>
<td>DENT 202 Registered Dental Assistant</td>
<td>4</td>
</tr>
<tr>
<td>DENT 203 Dental Practical Experience</td>
<td>5.5</td>
</tr>
<tr>
<td>DENT 204 RDA Clinical Procedures</td>
<td>1</td>
</tr>
</tbody>
</table>

**Employment opportunity:**

Dental Assistant, Registered Dental Assistant

**Total Units 30**

**Certificate of Achievement Level Student Learning Outcomes**

Students completing the Dental Assisting Certificate of Achievement will:

1. Use correct dental terminology and nomenclature in the correct context in order to effectively communicate dental information and concepts to others.
2. Develop problem-solving and self-assessment skills and make appropriate decisions regarding a variety of procedural situations.
3. Demonstrate the ability to interact with patients and work effectively as a member of the dental team.
4. Maintain the standard of care during dental treatment and promote oral health.
5. Develop the ability to use and adapt to current technology used in dental practices.
6. Demonstrate proficiency in the current duties of an RDA, practicing with the delegated duties (scope of practice).
7. Develop foundational knowledge of dental procedures and the ability to communicate and apply their concepts and principles.

---

**Digital and Web Design**

The Digital and Web Design certificate is designed to introduce and develop the basic skills necessary for success as an entry-level graphic, digital or web designer. Fundamental to the core of a strong design sensibility, the computer is an essential tool for design success and a complement to composition, design principles, layout, and typography.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 111 Beginning Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 120 Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 150 Computer Art Basics</td>
<td>3</td>
</tr>
<tr>
<td>ART 153 Digital Media Production I</td>
<td>3</td>
</tr>
<tr>
<td>ART 158 Commercial Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 162 Computer Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>ART 167 Web Design I</td>
<td>3</td>
</tr>
<tr>
<td>ART 168 Animation I</td>
<td>3</td>
</tr>
<tr>
<td>ART 189 Art Portfolio and Resume Production</td>
<td>3</td>
</tr>
<tr>
<td>PHTO 101 Basic Photography</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units 30**

**Certificate of Achievement Level Student Learning Outcomes**

Students completing the Digital and Web Design Certificate of Achievement will:

1. Develop design sensibility.
2. Become adept in the use of appropriate computer graphics software.
3. Gain a greater understanding of the industry expectations for an entry-level designer.
4. Prepare for university level courses.
5. Build a professional level portfolio.

---

**Emergency Management and Homeland Security**

The Certificate of Achievement in Emergency Management and Homeland Security offers the required courses and learning domains for students to apply for employment with emergency management agencies, such as the local cities and county governments in California and non-profit organizations such as the American Red Cross, and federal agencies such as the Department of Homeland Security (FEMA).

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMER 162 Principles of Emergency Management</td>
<td>3</td>
</tr>
</tbody>
</table>
EMER 163  Terrorism and Emergency Management  3  
EMER 164  Managing Hazardous Materials Incidents  3  
EMER 166  Emergency Planning and Methodology  3  
Select one (1) of the following:  
EMER 167  Practical Applications of Emergency Management  3  
EMER 168  Emergency Operations Center (EOC) Management  3  
ESCI 180  Introduction to Geographic Information Systems  4  
Total Units 15-16

Certificate of Achievement Level Student Learning Outcomes
Students completing the Emergency Management and Homeland Security Certificate of Achievement will:
1. Express an understanding of the human physical consequences of natural and technological disasters and how to mitigate them.
2. Explain and apply state and local regulations related to emergency management.
3. Be familiar with the range of technologies used in emergency management.
4. Critically analyze emergency management plans and procedures.

Emerging Theatre Technologies
The Emerging Theatre Technologies Program (ETT) is a hands-on, career education program, that develops critical skills in stage lighting, live sound reinforcement, stage technology, live event video and project management. ETT provides both introductory and specific hands-on experience in multiple specialized technical production areas that include theatre, concert touring, theme parks, television and film.

Fall Semester 1
Prerequisites (12 units)  Units
BUS 130  Introduction to Business  3  
THEA 120  Introduction to Tech for Theatre, TV and Film  3  
THEA 122  Stagecraft  3  
THEA 140  Introduction to Lighting for Theatre, Television and Film  3  
Fall Semester 1  
Required courses (4 units):
REC 135  Live Sound Reinforcement  4  
Spring  
Required courses (16 units):
REC 255  Live Sound Workshop  4  
THEA 125  Technical Theatre Production  3  
THEA 145  Anatomy of Intelligent Lighting Instruments  3  
THEA 150  Introduction to Intelligent Lighting Consoles  3  
THEA 240  Introduction to Live Video Event Production  3  
Summer  
Required courses (4 units):
THEA 160  Computer Aided Design for Theatre  4  
Fall Semester 2  
Required Courses (10 units):
THEA 245  Stage and Project Management for Theatre, TV and Film  3  
THEA 255  Entertainment Production for Theme Parks and Themed Environments  2  
THEA 260  Introduction to Show Production Systems  3  
THEA 262  Rigging and Automation for Theatre and Live Events  2  
Total Units 46

Certificate of Achievement Level Student Learning Outcomes
Students completing the Emerging Theatre Technologies Certificate of Achievement will:
1. Increase their ability to speak articulately and listen actively by attending various performance classes and productions, having interactions with faculty and students from other disciplines as well.
2. Develop and expand writing skills to broaden communication abilities.
3. Become proficient in technical theatre and computer aided design through in-class utilization of appropriate design software, to gain the ability to make creative and analytical decisions throughout.
4. Investigate their personal skill set through research projects, practicums, progressive classroom assignments and varied rehearsal
techniques in order to create, evaluate and execute realistic goals.

5. Develop a variety of learning strategies through an introduction to various theatrical styles and techniques presented by outside professionals and adjunct professors to increase educational flexibility.

6. Interact with audiences of all ages and backgrounds through touring, public, and outreach performances, to internalize the importance of strong community relationships, citizenship and integrity.

**Esthetician**

This program is designed to educate and train students in the fundamental skills needed to successfully complete and pass the California State Board Exam. The program provides a distinct education in esthetic applications, values, theoretical science and State Board preparedness which includes, but is not limited to, makeup design, training in electrical modalities, hair removal, facials for specific skin types and proper sanitation and disinfecting procedures. The program also provides interpersonal interaction with clients and other students. The focus is on personal satisfaction, study skills, trained applications, and professionalism, which are required to become a successful licensed esthetician for an entry-level career in the field of esthetics.

The need for professional estheticians continues to grow in new and exciting ways, providing ample room for personal success in a variety of career paths. This program prepares students for operational and financial success as estheticians.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COS 199 A</td>
<td>Esthetician I</td>
<td>8</td>
</tr>
<tr>
<td>COS 199 B</td>
<td>Esthetician II</td>
<td>8</td>
</tr>
<tr>
<td>COS 199 C</td>
<td>Esthetician Salon Success</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units</strong></td>
<td><strong>19</strong></td>
</tr>
</tbody>
</table>

**Certificate of Achievement Level Student Learning Outcomes**

Students completing the Esthetician Certificate of Achievement will:

1. Understand the components of creating a professional atmosphere.
2. Recognize different facial treatment philosophies.
3. Master the art of makeup design and hair removal to ensure success in the industry.
4. Develop confidence, proficiency and appreciate the specialized knowledge required for a lucrative career within a professional environment.
5. Successfully complete 600 hours and pass the California State Board exams.

**Intersegmental General Education Transfer Curriculum (IGETC)**

New certificate, pending Chancellor’s Office approval.

**Information Technology**

The Information Technology Certificate of Achievement prepares students for careers as: computer technicians, IT sales associates, field service technicians, server administrators, system administrators, web support specialists, IT project managers, software support technicians, device integration specialists, as well as storage and backup specialists. Throughout the course of the program, students will develop the skills sought after by IT employers. These include networking, security, IP communications, project management, software support, device integration, as well as ethics. During the program the students will have the opportunity to complete industry certifications from CompTIA which include A+, Network+, Server+, and Security+. Program content will also cover industry certifications for Macintosh and Microsoft.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 104</td>
<td>PC Hardware and Maintenance</td>
<td>4</td>
</tr>
<tr>
<td>IT 107</td>
<td>Network Technology</td>
<td>4</td>
</tr>
<tr>
<td>IT 108</td>
<td>Networking Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>IT 109</td>
<td>Network and Computer Security</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIS 109</td>
<td>Network and Computer Security</td>
<td>4</td>
</tr>
</tbody>
</table>

**Select six (6) units from the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 130</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 132</td>
<td>Ethics in Business</td>
<td>3</td>
</tr>
<tr>
<td>CSIS 111</td>
<td>Introduction to Programming Concepts and Design</td>
<td>4</td>
</tr>
<tr>
<td>IT 110</td>
<td>Virtual Computing</td>
<td>4</td>
</tr>
<tr>
<td>IT 698B</td>
<td>Cooperative Education</td>
<td>2</td>
</tr>
<tr>
<td>IT 698D</td>
<td>Cooperative Education</td>
<td>4</td>
</tr>
<tr>
<td>IT 699B</td>
<td>Cooperative Education</td>
<td>2</td>
</tr>
<tr>
<td>IT 699D</td>
<td>Cooperative Education</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 110</td>
<td>Philosophy/Logic</td>
<td>3</td>
</tr>
</tbody>
</table>

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SPCH 100 Interpersonal Communication 3
No more than four (4) units of IT 698/699 may be used towards the certificate requirements.

Total Units 22

Certificate of Achievement Level Student Learning Outcomes
Students completing the Information Technology Certificate of Achievement will:
1. Use and possess broad-based knowledge of information and concepts related to installing and maintaining computer hardware, installing and maintaining computer networks, and solving computer hardware and network problems.
2. Apply their knowledge and skills in diverse areas of Information Technology in order to certify in various industry certifications.
3. Have the knowledge, skill and behaviors necessary to obtain an entry-level position as a computer hardware installer/technician, computer network technician, field service technician, network and communication specialist/technician or other related field of information technology.

Literature
This Certificate of Achievement requires the successful completion of 12 units of literature courses and may be used as verification of literature knowledge or competency for entry-level jobs in fields such as tutoring, editing and publishing, journalism, theater and entertainment.

Select one (1) of the following:
ENGL 101 Reading and Composition 3
ENGL 102H Reading and Composition - Honors 3

Select one (1) of the following:
ENGL 251 Introduction to English Literature I 3
ENGL 252 Introduction to English Literature II 3

Select one (1) of the following:
ENGL 261 Introduction to U.S. American Literature I 3
ENGL 262 Introduction to U.S. American Literature II 3

Select one (1) of the following:
ENGL 271 Introduction to World Literature: Ancient - Early Modern 3
ENGL 272 Introduction to World Literature: 1600’s through Twentieth Century 3

Total Units 12

Certificate of Achievement Level Student Learning Outcomes
Students completing the Literature Certificate of Achievement will:
1. Critically analyze and evaluate the subtext of literature selections in order to demonstrate knowledge of literary terminology.
2. Employ established modes of reasoning in the defense and development of thesis/judgments to clearly demonstrate knowledge of critical analysis tools in all written work.
3. Identify and evaluate the writer’s use of literature as a persuasive tool to identify and assess the effectiveness of literary works.
4. Critically analyze and synthesize source material to demonstrate ability to write at the college level.
5. Demonstrate cultural awareness, personal responsibility, and ethical behavior in evaluating and writing about literature.

Medium and Heavy Truck Service, Diagnosis, and Repair Technician
The courses listed in the Medium and Heavy Duty Truck Service, Diagnosis and Repair Technician Certificate of Achievement are selected to provide a comprehensive set of job skills needed by medium and heavy duty truck technicians, bus technicians and heavy equipment technicians. In addition to improving the student’s employability, the skills developed in the program will enhance their ability to become an Automotive Service Excellence (ASE) Medium/Heavy Truck, Truck Equipment, School Bus, Transit Bus and/or Alternative Fuels certified technician.

Required core courses:
AUTO 101 Fundamentals of Automotive Service, Diagnosis and Repair 5
AUTO 149 Diesel Engine Management Systems 4
AUTO 156 Automotive Electrical/Electronic Systems I 5
MTRK 151  Medium and Heavy Truck Engines 5
MTRK 152  Medium and Heavy Truck Drivetrain Service, Diagnosis, and Repair 5
MTRK 154  Medium and Heavy Truck Chassis Service, Diagnosis, and Repair 5

Select at least three (3) units from the following:
AUTO 166  Automotive Electrical/Electronic Systems II 3
AUTO 167  Automotive HVAC Service, Diagnosis & Repair 3
AUTO 230A  Automotive Service and Repair Work Experience A 1
AUTO 230B  Automotive Service and Repair Work Experience B 2
AUTO 230C  Automotive Service and Repair Work Experience C 3
AUTO 230D  Automotive Service and Repair Work Experience D 4
AUTO 695/696  Special Topics (department approval required) 0.5 - 4
AUTO 698/699  Internship 1 - 2

Total Units 32

Certificate of Achievement Level Student Learning Outcomes
Students completing the Medium and Heavy Diesel Truck Service, Diagnosis and Repair Technician Certificate of Achievement will:
1. Listen to and verify the operator’s concern, review past maintenance and repair documents, determine necessary action and perform the service or repair to industry standards.
2. Obtain ASE Truck technician certification in at least three areas.

Photography
The Photography Certificate of Achievement prepares a student for a career as an assistant to a professional photographer, a photographic lab technician or an independent professional freelance photographer. Students will be prepared for positions in retail photographic outlets.

Required core courses:  Units
PHTO 101  Basic Photography 3
PHTO 102  Intermediate Photography 3
PHTO 103  Advanced Photography 3
PHTO 205  Color Photography 3

Select three (3) of the following:
PHTO 125  Photography as an Art Medium 3
PHTO 126  Advanced Photography as an Art Medium 3
PHTO 202  Photojournalism 3
PHTO 206  Intermediate Color Photography 3
PHTO 213  Studio & Environmental Portraiture 3

A course may be used only once to fulfill the certificate requirements.

Total Units 21

Certificate of Achievement Level Student Learning Outcomes
Students completing the Photography Certificate of Achievement will:
1. Demonstrate computer proficiency in specialized programs related to photographs.
2. Demonstrate knowledge of photographic theory in choosing new products and using them effectively.
3. Review, analyze and critique the photographic work of others.
4. Analyze and evaluate personal and other students’ images through use of evaluation rubrics based on aesthetic concepts.

Public Works: Maintenance Services
Modified certificate (was Public Works I), pending Chancellor’s Office approval.

Public Works: Inspection, Supervision, and Management
This Certificate of Achievement program is designed to prepare students for promotional positions in the public and private sectors of public works and street construction maintenance. Job opportunities include: Public Works Inspector, Public Works Maintenance Lead Worker, Maintenance Supervisor, Street Division Supervisor, Public Works Superintendent, and Field Operations Manager positions. Instruction in an overview for field personnel of the basic elements of the Public Works industry and an introduction to administrative responsibilities and planning is emphasized in the coursework.
Vocational Nursing
Successful completion of the program of studies allows the student to become eligible to take the State Board Examination for Licensed Vocational Nurse-NCLEX.

Required core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>VNRS 150</td>
<td>Fundamentals of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>VNRS 151L</td>
<td>Fundamentals of Nursing Lab</td>
<td>3</td>
</tr>
<tr>
<td>VNRS 152</td>
<td>Pharmacology I</td>
<td>1</td>
</tr>
<tr>
<td>VNRS 153</td>
<td>Introductory Nutrition for the Vocational Nurse</td>
<td>1</td>
</tr>
<tr>
<td>VNRS 154</td>
<td>Body Structure and Function for the Vocational Nurse</td>
<td>1.5</td>
</tr>
<tr>
<td>VNRS 155</td>
<td>Social-Psychology for the Vocational Nurse</td>
<td>1</td>
</tr>
<tr>
<td>VNRS 160</td>
<td>Medical-Surgical Nursing I</td>
<td>3</td>
</tr>
<tr>
<td>VNRS 161L</td>
<td>Medical-Surgical Nursing I Lab</td>
<td>3</td>
</tr>
<tr>
<td>VNRS 162</td>
<td>Pharmacology II</td>
<td>1</td>
</tr>
<tr>
<td>VNRS 163</td>
<td>Diet Therapy for the Vocational Nurse</td>
<td>1</td>
</tr>
<tr>
<td>VNRS 164</td>
<td>Body Structure and Function for the Vocational Nurse II</td>
<td>1.5</td>
</tr>
<tr>
<td>VNRS 165</td>
<td>Growth and Development: Young Adult - Elderly</td>
<td>1</td>
</tr>
<tr>
<td>VNRS 170</td>
<td>Medical-Surgical Nursing II</td>
<td>7</td>
</tr>
<tr>
<td>VNRS 171L</td>
<td>Medical-Surgical Nursing I Lab</td>
<td>7</td>
</tr>
<tr>
<td>VNRS 172</td>
<td>Advanced Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>VNRS 173</td>
<td>Psychology for Vocational Nurses</td>
<td>2</td>
</tr>
<tr>
<td>VNRS 180</td>
<td>Pediatric Nursing</td>
<td>3.5</td>
</tr>
<tr>
<td>VNRS 181</td>
<td>Growth and Development: Infancy-Adolescence</td>
<td>1</td>
</tr>
<tr>
<td>VNRS 182</td>
<td>Obstetrical-Gynecological Nursing</td>
<td>4</td>
</tr>
<tr>
<td>VNRS 183</td>
<td>Leadership in Nursing</td>
<td>3</td>
</tr>
</tbody>
</table>

Certificate of Achievement Level Student Learning Outcomes
Students completing the Vocational Nursing Certificate of Achievement will:
1. Use correct medical terminology and nomenclature, in the correct context, in order to effectively communicate health/medical information and concepts to others.
2. Demonstrate the ability to perform accurate calculations of intake and output, drug dosages, and IV rates.

Employment opportunity:
Vocational Nurse

Total Units 50.5

Certificate of Achievement Level Student Learning Outcomes
Students completing the Public Works: Inspection, Supervision, and Management Certificate of Achievement will:
1. Analyze the role municipal public works plays in local and state government and other regulatory agencies as defined by state statute and practice.
2. Calculate the costs and identify the most economical materials needed for public works projects, according to current industry standards, annual budget constraints and city master plan.
3. Exhibit the necessary skills and behaviors expected of public works administration to make accountable decisions while managing and leading a diverse staff.
4. Evaluate and analyze roadways, walkways, structures and footings to specify materials and methods required for repair or new installation maintaining CAL-OSHA compliance, project budget, and contract documentation.

Total Units: 33

Certificate of Achievement Level Student Learning Outcomes
Students completing the Public Works Inspection skill award:

- MATH 142 Beginning and Intermediate Algebra II 5
- or
- MATH 150 Intermediate Algebra 5
- PUB 155 Public Works Inspection 3
- PUB 161 California Occupational Safety and Health 3

Complete the following courses in the Public Works Inspection skill award:

- MATH 142 Beginning and Intermediate Algebra II 5
- or
- MATH 150 Intermediate Algebra 5
- PUB 155 Public Works Inspection 3
- PUB 161 California Occupational Safety and Health 3

Certificate of Achievement Level Student Learning Outcomes
Students completing the Public Works Inspection, Supervision, and Management Certificate of Achievement will:

1. Use correct medical terminology and nomenclature, in the correct context, in order to effectively communicate health/medical information and concepts to others.
2. Demonstrate the ability to perform accurate calculations of intake and output, drug dosages, and IV rates.

Total Units: 33

Certificate of Achievement Level Student Learning Outcomes
Students completing the Public Works Supervision and Management skill award:

- MATH 142 Beginning and Intermediate Algebra II 5
- or
- MATH 150 Intermediate Algebra 5
- PUB 155 Public Works Inspection 3
- PUB 161 California Occupational Safety and Health 3

Complete the following courses in the Public Works Supervision and Management skill award:

- MATH 142 Beginning and Intermediate Algebra II 5
- or
- MATH 150 Intermediate Algebra 5
- PUB 155 Public Works Inspection 3
- PUB 161 California Occupational Safety and Health 3

Certificate of Achievement Level Student Learning Outcomes
Students completing the Public Works: Inspection, Supervision, and Management Certificate of Achievement will:

1. Analyze the role municipal public works plays in local and state government and other regulatory agencies as defined by state statute and practice.
2. Calculate the costs and identify the most economical materials needed for public works projects, according to current industry standards, annual budget constraints and city master plan.
3. Exhibit the necessary skills and behaviors expected of public works administration to make accountable decisions while managing and leading a diverse staff.
4. Evaluate and analyze roadways, walkways, structures and footings to specify materials and methods required for repair or new installation maintaining CAL-OSHA compliance, project budget, and contract documentation.

Total Units: 33
3. Develop problem-solving and self-assessment skills and make appropriate decisions regarding a variety of procedural situations.
4. Demonstrate the ability to interact with patients and work effectively as a member of the health care team.
5. Develop the ability to use and adapt to current technologies used in the healthcare setting.
6. Provide patient care that falls within the scope of practice as set forth by the BVNPT.

Water Technology
This program is designed to prepare students who wish to seek employment in the public drinking water supply industry or qualify for a more responsible position within the industry. These courses will be helpful to students who wish to prepare for the T1, T2, T3, T4, and T5 Water Treatment Operator and D1, D2, D3, D4, and D5 Water Distribution Operator certification examinations given by the California Department of Public Health. Coursework also provides contact hours for Operator Certification maintenance requirements.

Required core courses: Units
WATR 150 Introduction to Water Systems 3
WATR 151 Water Resources and Distribution I 3
WATR 153 Water Resources and Distribution II 3
WATR 156 Water Treatment I 3
WATR 157 Water Treatment II 3

Select one (1) of the following courses:
BIOL 145 Environmental Science 3
PUB 155 Public Works Inspection 3
PUB 160 Public Administration 3
PUB 161 California Occupational Safety and Health 3
PUB 165 Environmental Management in Public Works 3
WATR 162 Water Conservation 3

Total Units 18

Employment opportunities:
Pumping station operator, water line worker, water maintenance mechanic helper, water motor installer, water service dispatcher, treatment plant operator

Certificate of Achievement Level Student Learning Outcomes
Students completing the Water Technology Certificate of Achievement will:
1. Describe and explain regulatory issues that relate to the public drinking water supply.
2. Diagram and explain the fundamentals of the water distribution system including SCADA (supervisory control and data acquisition), maintenance, pumps, hydraulics, and valves.
3. Given a scenario involving water contamination, identify the contaminants, recommend the best treatment, administer the treatment, and then verify the contaminants are below allowable safety thresholds.
4. Demonstrate the safe handling of chemicals used in the water industry and describe the Occupational Safety and Health Administration (OSHA) regulations related to public drinking water.

Wildland Resources and Forestry
A Certificate of Achievement in Wildland Resources and Forestry prepares students for pre-professional careers and transfer into a four-year university leading to a baccalaureate degree in such areas as biology, botany, conservation, ecology, education, environmental science, forestry, horticulture, organismal biology, natural resources, rangeland management, recreation, soil science, wildland fire management and wildlife management. The Wildland Resources and Forestry student is also prepared to enter professional programs/careers of specialized study/work in such areas as agriculture, conservation biology, resource ecology, entomology, environmental protection, fisheries and wildlife, forest management, hydrology, limnology, natural resources; naturalist, park ranger, soil science, silvicultural practice, wildlife law enforcement and zoology. Those students who do not intend to transfer may take the courses for either direct vocational application or for general interest.

Required core courses: Units
ESCI 180 Introduction to Geographic Information Systems 4
FOR 101 Introduction to Forestry 3
FOR 102 Introduction to Forest Ecology 3
FOR 103 Plant Identification 3
FOR 104 Introduction to Outdoor Recreation 3

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FOR 105  Wildland Fire Management  3
FOR 106  Principles of Wildlife Management and Ecology  3

Employment opportunities:
Entry-level positions for federal, state and private employers. Areas of opportunity include biological technician, conservation scientist, environmental technician, forestry aid, forest biologist, forestry technician, naturalist, park assistant, resource ecologist, survey technician aid, and wildlife biologist.

Certificate of Achievement Level Student Learning Outcomes
Students completing the Wildland Resources and Forestry Certificate of Achievement will:
1. Express knowledge of scientific terminology as it relates to the management of wildland and other renewable resources.
2. Collect data and interpret data, tables and graphs to demonstrate an understanding of the types of data available in the realm of wildland resources.
3. Generate scientific hypotheses to distinguish between scientific and non-scientific questions and methods that relate to wildland resources to meet the emerging mandates for conservation, biodiversity, ecosystem management, and long-term sustainability.
4. Examine how human activities have contributed to changes in the wildland environment to better understand and discuss past, current, and future issues related to wildland resources.
5. Select and use the appropriate scientific apparatus.

Total Units 22

Writing Competency
This Certificate of Achievement requires the successful completion of 12 units of English composition course work and may be used as verification of writing competency for entry-level jobs in fields including composition tutoring, editing and publishing, journalism, pre-law, theater and entertainment, freelance writing, and university or college teacher assisting.

Select one (1) of the following:  
<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101  Reading and Composition  3</td>
</tr>
<tr>
<td>ENGL 101H  Reading and Composition - Honors  3</td>
</tr>
<tr>
<td>ESL 101  Reading and Composition  3</td>
</tr>
</tbody>
</table>

Select one (1) of the following:  
<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103  Composition and Critical Thinking  3</td>
</tr>
<tr>
<td>ENGL 103H  Composition and Critical Thinking - Honors  3</td>
</tr>
</tbody>
</table>

Select one (1) of the following:  
<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 101  Reporting and Writing News  3</td>
</tr>
<tr>
<td>ENGL 102  Introduction to Literature  3</td>
</tr>
<tr>
<td>ENGL 291  Film as Literature  3</td>
</tr>
<tr>
<td>ENGL 291H  Film as Literature - Honors  3</td>
</tr>
</tbody>
</table>

Required rhetoric course:  
| ENGL 104  Advanced Rhetoric: The Classical Essay  3 |

Total Units 12

Certificate of Achievement Level Student Learning Outcomes
Students completing the Writing Competency Certificate of Achievement will:
1. Employ a variety of rhetorical techniques in order to write multi-paragraph essays.
2. Use correct spelling, grammar, punctuation and capitalization in order to demonstrate knowledge of the conventions of the English language.
3. Use the Internet and word processing programs in order to compose and revise written work.
4. Critically analyze and synthesize source material to demonstrate ability to write at the college level.
How Do I Earn a Skill Award from Citrus College?

Programs of Study Leading to a Skill Award

Some Citrus College academic programs, based on the satisfactory completion of a course or a sequence of courses, issue a Skill Award. Total units taken for a Skill Award may not exceed 17.5 units. A Skill Award may verify and provide documentation of proficiency for entry-level employment requirements, job upgrades and application into fields that require documentation of specific course work.

Programs of Study Leading to a Skill Award:
Child Development Associate Teacher
Diesel Technician
Emergency Medical Technician
Engine Rebuilding and Machining
Finance
Greenscape Maintenance Technology
Hardscape Maintenance Technology
Home Health Aide
Infant & Child Development Associate Teacher
Microsoft Office
Nurse Assistant
Office Clerk
Public Works Inspection
Public Works Supervision and Management
Real Estate

Child Development Associate Teacher
This entry-level program allows the student to explore the field of child development and prepares the student to work as a child development aide or assistant teacher in the field of early childhood education.

Required core courses: Units
CHLD 110 Early Childhood Development 3
or
PSY 206 Child Growth and Development 3
CHLD 112 Principles of Early Childhood Education I 3
CHLD 114 Home-Child-Community Relations 3

Select three (3) of the following:
CHLD 116 Introduction to Curriculum 3
CHLD 120 Literacy for Children 3
CHLD 121 Art for Children 2
CHLD 122 Music and Rhythms for Children 2
CHLD 123 Science Experiences for Children 1
CHLD 124 Math for Children 1
CHLD 144 Health, Safety and Nutrition for Young Children 3

Permit Information
This Skill Award meets the educational requirements for the Associate Teacher Permit through the California Commission on Teacher Credentialing. All course work must be completed with the grade of C or better to meet permit requirements. In order to apply for the State Permit, students must complete 50 days of 3 or more hours per day of qualifying work experience with young children within two (2) years. Specific details may be found at www.ctc.ca.gov

Employment Opportunity
This program prepares you to work as a child development aide or assistant teacher in a variety of programs.

Total Units 12

Skill Award Level Student Learning Outcomes
Students completing the Child Development Associate Teacher Skill Award will:
1. Demonstrate the ability to apply theories of early childhood education and child development.
2. Demonstrate global consciousness to work effectively with children, their families, and individuals from diverse cultures.

Diesel Technician
These course offerings prepare students for entry-level occupations in diesel technology, medium and heavy trucks, and provide upgrading within these occupations.

Employment positions are available in both the public and the private sector.

Required core courses: Units
MTRK 270 Electronic Controls Systems: Detroit Diesel Engine DDEC I, II, III, and IV 2
Select three (3) of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTRK 235</td>
<td>Diesel Rebuilding: Detroit Engine-Series 71 and 92</td>
<td>2</td>
</tr>
<tr>
<td>MTRK 240</td>
<td>Diesel Rebuilding: Cummins Engine</td>
<td>2</td>
</tr>
<tr>
<td>MTRK 245</td>
<td>Diesel Rebuilding: Caterpillar Engine</td>
<td>2</td>
</tr>
<tr>
<td>MTRK 280</td>
<td>Heavy Duty Brake Systems</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units 10</strong></td>
<td></td>
</tr>
</tbody>
</table>

Emergency Medical Technician

Required core course: HEAL 161 Emergency Medical Technician - Basic 7

**Total Units 7**

Skill Award Level Student Learning Outcomes

- Students completing the Emergency Medical Technician Skill Award will:
  1. Use correct medical terminology and nomenclature in the correct context in order to effectively communicate health/medical information and concepts to others.
  2. Demonstrate an understanding of the ethical responsibilities of EMS and other healthcare providers.
  3. Calculate various I.V. drip rates for patients undergoing I.V. therapy.
  4. Develop problem solving and self assessment skills and make appropriate decisions regarding a variety of procedural situations.
  5. Identify the signs and symptoms of common medical emergencies related to various body systems.
  6. Demonstrate the ability to interact with patients and work effectively as a member of the emergency medical services team.
  7. Discuss various EMS systems both local/state and international.
  8. Develop the ability to use and adapt to current technology used in emergency medical services practices.
  9. Demonstrate understanding of administering patient prescribed drugs to patients.
  10. Demonstrate proficiency in the current duties of an EMT, practicing within scope of practice.

Engine Rebuilding and Machining

Required core courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 295</td>
<td>Engine Design</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 296</td>
<td>Cylinder Head Development</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 297</td>
<td>Cylinder Block Development</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units 12</strong></td>
<td></td>
</tr>
</tbody>
</table>

Employment Opportunity

Entry-level engine machinist

Finance

The Skill Award in Finance has been designed to equip students with the basic knowledge and skills to manage their own financial affairs more effectively.

Required core courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 132</td>
<td>Ethics in Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 146</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>REAL 210</td>
<td>Real Estate Principles</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REAL 212</td>
<td>Real Estate Practice</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units: 9</strong></td>
<td></td>
</tr>
</tbody>
</table>

Skill Award Level Student Learning Outcomes

- Students completing the Finance Skill Award will:
  1. After the completion of this skill award, students will have a broad understanding of finance, ethics and real estate.

Greenscape Maintenance Technology

This Skill Award program is designed to prepare students for entry-level and promotional positions in the public and private sectors of park and landscape maintenance. Job opportunities include: Public Works Maintenance Worker, Arborist, Urban Forester, Irrigation Technician, and Landscape and Park Maintenance Worker positions. Instruction in tree pruning and care, plant identification, plant installation, plant care and pruning, pest identification and control, basic irrigation, and water conservation and management is emphasized in the course work.

Required core courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUB 158</td>
<td>Municipal and Urban Tree Care</td>
<td>3</td>
</tr>
<tr>
<td>PUB 163</td>
<td>Turf and Landscape Management</td>
<td>3</td>
</tr>
<tr>
<td>WATR 162</td>
<td>Water Conservation</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units: 9</strong></td>
<td></td>
</tr>
</tbody>
</table>
Skill Award Level Student Learning Outcomes

Students completing the Greenscape Maintenance Technology Skill Award will:
1. Evaluate and analyze existing landscape and plan new greenscape installation as well as establish mow schedule, frequency of tree pruning, irrigation schedule, pest and weed abatement, fertilization schedule, and aeration to ensure cost savings and water conservation while maintaining and aesthetically pleasing landscape.

Hardscape Maintenance Technology

This Skill Award program is designed to prepare students for entry-level and promotional positions in the public and private sectors of public works and street construction maintenance. Job opportunities include: Public Works Maintenance Worker, Lead Worker, and Supervisory positions. Instruction in techniques, materials and equipment used in public works, maintenance and repair projects, instruction on the recommended procedures, practices, and testing criteria used by the Asphalt Institute highlighting local city and county asphalt requirements and Portland cement concrete design and uses is emphasized in the coursework.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUB 150</td>
<td>Introduction to Public Works</td>
<td>3</td>
</tr>
<tr>
<td>PUB 151</td>
<td>Street Construction and Maintenance</td>
<td>3</td>
</tr>
<tr>
<td>PUB 157</td>
<td>Asphalt and Portland Cement</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units: 9**

Skill Award Level Student Learning Outcomes

Students completing the Hardscape Maintenance Technology Skill Award will:
1. Analyze and evaluate public and private hardscape structures and determine upgrades or preventative maintenance requirements necessary to ensure public safety, long-term budget strategy, aesthetics, and municipal code compliance.

Home Health Aide

**Required core course:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRS 102</td>
<td>Home Health Aide</td>
<td>2</td>
</tr>
</tbody>
</table>

Employment Opportunity

Home Health Aide

**Total Units: 2**

Infant and Child Development Associate Teacher

This program prepares you to work as a child development aide or assistant in a public or private preschool, Head Start program or day care center, or as a teacher in a private infant or preschool program.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUB 150</td>
<td>Introduction to Public Works</td>
<td>3</td>
</tr>
<tr>
<td>PUB 151</td>
<td>Street Construction and Maintenance</td>
<td>3</td>
</tr>
<tr>
<td>PUB 157</td>
<td>Asphalt and Portland Cement</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units: 9**

Microsoft Office

The Microsoft Office Skill Award is given upon completion of a series of courses that provide the student with mid-level office skills and employment training for positions in the business office environment. In addition to all of the courses required for the Office Clerk Skill Award, the student will take additional courses designed to significantly increase the student's knowledge and proficiency in professional office responsibilities.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF 120</td>
<td>Microsoft Excel</td>
<td>3</td>
</tr>
<tr>
<td>OFF 215</td>
<td>Microsoft Outlook</td>
<td>2</td>
</tr>
<tr>
<td>OFF 285</td>
<td>Administrative Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td>OFF 294</td>
<td>Microsoft Word</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units: 11**

Skill Award Level Student Learning Outcomes

Students completing the Microsoft Office Skill Award will:
1. Perform all Office Skill Award tasks such as: use e-mail to communicate with others; understand and utilize filing procedures; examine incoming materials and code it numerically, alphabetically or by subject matter; enter data electronically in various storage devices; use electronic calendars; use correct spelling, grammar, and punctuation in prepared documents.
2. File data on the computer.
3. Keyboard and file data on computers as well as access information.
4. Keep payroll records and prepare invoices.
5. Set up spreadsheets.
6. Format letters, memos, tables and reports using current office application program.
7. Compose routine letters, memos and e-mail messages.
**Nurse Assistant**

**Required core course:**
- NRS 101 Nurse Assistant 5

**Employment Opportunity**
Certified nurse assistant, acute care nurse aide

**Total Units 5**

**Skill Award Level Student Learning Outcomes**
Students completing the Nurse Assistant Skill Award will:
1. Communicate in English verbally and in writing using appropriate medical terminology.
2. Collect, calculate and interpret observations.
3. Develop problem-solving skills and make appropriate decisions regarding a variety of situations.
4. Provide culturally specific healthcare to all people.
5. Develop the ability to use and adapt to current technologies used in the healthcare setting.
6. Provide patient care that falls within the scope of practice as set forth by the California Department of Health Services.

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**Office Clerk**
The Office Clerk Skill Award is given upon completion of a series of courses that provide the student with entry-level office skills and employment training for entry-level positions in the business office environment.

**Required core courses:**
- OFF 260 Computer Keyboarding and Document Processing 3
- OFF 101 Introduction to Microsoft Office Applications 3
- OFF 281 Filing and Records Management 3

**Total Units 9**

**Skill Award Level Student Learning Outcomes**
Students completing the Office Clerk Skill Award will:
1. Understand and utilize filing procedures.
2. Examine incoming materials and code it numerically, alphabetically or by subject matter.
3. Enter data electronically in various storage devices.
4. Use correct spelling, grammar, and punctuation in prepared documents.

---

**Public Works Inspection**
This Skill Award program is designed to prepare students for entry-level and promotional positions in the public and private sectors of public works and street construction and civil engineer type projects. Job opportunities include: Public Works Inspector, Public Works Maintenance Worker, Lead Worker, and Supervisory positions. Instruction in an overview of the inspector’s role and responsibilities; including Portland cement and asphaltic concrete, soils and trenching, base and subgrades, concrete footings, structural and reinforcing steel, Cal-OSHA requirements, inspection reporting, and recordkeeping is emphasized in the coursework.

**Required core courses:**
- MATH 142 Beginning and Intermediate Algebra II 5
- or
- MATH 150 Intermediate Algebra 5
- PUB 155 Public Works Inspection 3
- PUB 156 Concrete Structures and Inspection 3
- PUB 161 California Occupational Safety and Health 3

**Total Units: 14**

**Skill Award Level Student Learning Outcomes**
Students completing the Public Works Inspection Skill Award will:
1. Evaluate and analyze roadways, walkways, structures and footings to specify materials and methods required for repair or new installation maintaining CAL-OSHA compliance, project budget, and contract documentation.

---

**Public Works Supervision & Management**
This Skill Award program is designed to prepare students for promotional positions in the public and private sectors of public works, street construction, and park and landscape maintenance. Job opportunities include: Public Works and Park Maintenance Lead Worker, Street and Landscape Maintenance Supervisor, Street and Park Division Supervisor, Public Works Superintendent, and Park and Field Operations Manager positions. Instruction in an overview for field personnel of the basic elements of supervision in public works, an introduction to administrative responsibilities and planning in public administration,
cost estimations and finance, and how to properly manage environmental concerns in public works is emphasized in the coursework.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 130</td>
<td>Microcomputer Applications I</td>
<td>4</td>
</tr>
<tr>
<td>PUB 160</td>
<td>Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>PUB 164</td>
<td>Plan Interpretation and Cost Estimating</td>
<td>3</td>
</tr>
<tr>
<td>PUB 165</td>
<td>Environmental Management in Public Works</td>
<td>3</td>
</tr>
<tr>
<td>PUB 166</td>
<td>Supervision in Public Works</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Units:</strong></td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

**Skill Award Level Student Learning Outcomes**

Students completing the Public Works Supervision and Management Skill Award will:

1. Analyze the role municipal public works plays in local and state government and other regulatory agencies as defined by state statute and practice.
2. Calculate the costs and identify the most economical materials needed for public works projects, according to current industry standards, annual budget constraints and city master plan.
3. Exhibit the necessary skills and behaviors expected of public works administration to make accountable decisions while managing and leading a diverse staff.

**Real Estate**

The Real Estate program at Citrus College is a very exciting, in-depth study of various areas of the Real Estate profession. All our courses are taught by experts in their chosen area in a student-oriented environment. Completion of the skill award will qualify a student to sit for the State of California real estate licensing exam. Courses are offered in the classroom or online.

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 160</td>
<td>Business Law and the Legal Environment I</td>
<td>3</td>
</tr>
<tr>
<td>REAL 210</td>
<td>Real Estate Principles</td>
<td>3</td>
</tr>
<tr>
<td>REAL 212</td>
<td>Real Estate Practice</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Units:</strong></td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>

**Skill Award Level Student Learning Outcomes**

Students completing the Real Estate Skill Award will:

1. Meet the minimum qualifications to take and pass the California Department of Real Estate Exam.
Citrus College grants certificates of competency and certificates of completion based on the satisfactory completion of a sequence of noncredit courses. These certificates provide the students an opportunity to gain skills necessary to advance in their career, transition into a new career, transition to credit instruction, or prepare for future academic studies and training. The certificates allow the student to develop individual competencies based upon their personal educational goals and objectives.

Students and community members who are interested in taking noncredit classes are encouraged to call the Noncredit and Community Education office at 626-852-8022 or visit the office, which is located in the Lifelong Learning Center. Noncredit students must apply online at http://www.citruscollege.edu/ce/apply and make an appointment with the noncredit counselor to set up an educational plan. The counselor can be reached at 626-852-6445.

Program of Study Leading to a Certificate of Completion

Heating, Ventilation and Air Conditioning Technician
This program prepares students for employment in the heating and air conditioning industry or advancement within the field. Courses prepare students for the EPA exam, which is generally required within this industry. Employment as a technician is available in both the public and the private sectors.

Students must pass the following courses (65% attendance required for course completion):
- NC 632  Air Conditioning I
- NC 634  Air Conditioning II
- NC 636  Heating – Electrical and Gas
- NC 638  Electricity for Heating and Air Conditioning

Plus complete one of the following (65% attendance required for course completion):
- NC 640  HVAC Control Systems
- NC 642  Trouble Shooting Heating and Air Conditioning

Certificate of Completion Level Student Learning Outcomes
Students completing the Heating, Ventilation and Air Conditioning Technician Certificate of Completion will:
1. Given a heating, ventilation or air conditioning complaint or concern; verify the problem, diagnose the problem, make recommendations for repair and/or preventative maintenance, obtain authorization for the service work, complete the repair and/or maintenance and verify the system is operating according to manufacturer and/or industry standards.
Programs of Study Leading to a Certificate of Competency

English as a Second Language (Beginning)
English as a Second Language (Intermediate)
English as a Second Language (Program Completion)

English as a Second Language (Beginning)
The English as a Second Language (Beginning) Certificate of Competency introduces the essential language and life skills needed to function in American society. This program teaches the performance of basic life skills through reading, writing, speaking, and listening in American English.

Students must pass the following courses (65% attendance required for course completion):
NC 305   ESL Multiskills - Beginning 1
NC 306   ESL Multiskills - Beginning 2

Certificate of Competency Level Student Learning Outcomes
Students completing the English as a Second Language (Beginning) Certificate of Competency will:
1. Perform basic or “survival” life skills through reading, writing, speaking, and listening in American English.
2. Transfer into credit ESL instruction at the Level 3 stage of coursework or continue in noncredit instruction in NC 307 ESL Multiskills - Intermediate 1.

English as a Second Language (Intermediate)
The English as a Second Language (Intermediate) Certificate of Competency expands on language and life skills learned in the English as a Second Language (Beginning) Certificate of Competency through more comprehensive and complex coursework. This program brings students to the advanced level of English acquisition and enables them to improve their occupational, academic, or personal status.

Students must pass the following courses (65% attendance required for completion):
NC 307   ESL Multiskills - Intermediate 1
NC 308   ESL Multiskills - Intermediate 2
NC 309   ESL Multiskills - Advanced

Certificate of Competency Level Student Learning Outcomes
Students completing the English as a Second Language (Intermediate) Certificate of Competency will:
1. Perform more complex language and life skills through the use of reading, writing, speaking, and listening in American English.
2. Transfer into credit ESL instruction at the Level 4 stage of coursework or continue in noncredit instruction in NC 309 ESL Multiskills - Advanced.

English as a Second Language (Program Completion)
The English as a Second Language (Program Completion) Certificate of Competency brings students to the level of near-fluent. This program prepares students to communicate with native English speakers, enter into ESL credit instruction at the Level 5 stage of coursework, and improve their occupational status.

Students must pass the following courses (65% attendance required for completion):
NC 307   ESL Multiskills - Intermediate 1
NC 308   ESL Multiskills - Intermediate 2
NC 309   ESL Multiskills - Advanced

Certificate of Competency Level Student Learning Outcomes
Students completing the English as a Second Language (Program Completion) Certificate of Competency will:
1. Demonstrate readiness to communicate with native English speakers and use authentic English discourse.
2. Transfer into credit ESL classes at the Level 5 stage of coursework, into the college level coursework, or into an English speaking occupation.
Does Citrus College Offer Courses for Growth & Development?
Continuing, Noncredit and Community Education

Continuing Education
Citrus College Continuing Education offers lifelong personal and professional development opportunities to members of the community. Classes are designed to sharpen professional skills or help students learn new activities they can enjoy in their leisure time. Continuing education classes provide opportunities for learning that enrich the lives of individuals and improve the quality of living in our community.

Noncredit Education
Noncredit education supplements students’ continued growth and job skills development through classes that include basic skills, career development, health and fitness, vocational preparation and job retraining. Enrollment in noncredit classes is tuition free and continues throughout the school year. See pages 268-275 for a list of available classes. All noncredit classes offered are subject to budget and enrollment.

Potential Citrus College students who are undecided about college may begin or continue their college experience with noncredit classes. Counseling services are available from the Counseling and Advisement Department. To schedule an appointment with a noncredit counselor, call (626) 852-6445.

Noncredit education provides English as a Second Language (ESL) classes in the traditional classroom format for limited English speaking students.

Visit the Continuing Education department in the Lifelong Learning Center or call (626) 852-8022 for more information.

Getting Started: Noncredit Admission and Class Registration
http://www.citruscollege.edu/ce/apply/Pages/default.aspx

STEP 1: Applying for Noncredit Admission
First-time applicants must create a NEW User Account if applying online for the first time. Returning noncredit students who have previously applied online must log in as a RETURNING User.

- Applicants are required to have an email account in order to complete their applications.
- Complete and submit the application; be sure to click the APPLICATION IS COMPLETE link.
- Important: Print the acknowledgement page for your records. The acknowledgement page includes your Citrus College Identification Number, which is needed to register for classes and access WingSpan.
- Check WingSpan in 24 hours after your application is submitted to view and activate your Citrus College email account.

STEP 2: Registering for Noncredit Classes
After the application is completed and submitted, wait one hour, then go to WingSpan to register for classes. The Citrus College Identification Number and the PIN used to create the application in Step 1 is needed to access WingSpan.

- Refer to the Noncredit and Community Education class schedule for course listings and additional information. Class schedules are available online at: http://www.citruscollege.edu/ce/apply/Pages/default.aspx.

Community Education
Citrus College Community Education offers lifelong personal and professional development learning opportunities to members of the community. Moderately-priced classes, workshops, seminars and activities are available for persons who want to develop their professional skills, start or grow a business, enrich their cultural experiences, their lives and their relationships, or participate in entertainment and recreational activities.

The college also partners with ED2Go/GES Career Training Programs and Career Step to help students prepare for rewarding careers through online classes.

Customized training is also available for businesses and organizations that have staff development needs.

Community Education classes, activities and events are available on days and at times that meet the needs of today’s active adults. Class lengths vary from a few hours to several meeting dates.

Community Education classes are supported by fees collected from course participants. Class schedules, published three times per year, are mailed to Citrus Community College District residents and can be accessed online at www.citruscollege.edu/ce.
Registering for Fee-Based Community Education Classes

Members of the community who are interested in taking fee-based community education courses must pre-register prior to taking a class. Pre-registration for Community Education classes is mandatory. It secures a student’s space in a class, determines if a class will be held or cancelled, and allows students to be notified if a class is cancelled. All classes are subject to change at the discretion of the Community Education Department. There are four convenient ways to register for fee-based classes.

1. Online
   Students may register and view the current selection of classes, by clicking on citruscollege.augusoft.net. Create an account, search for classes, and register. Further information on fee-based class online registration is available on the Community Education webpage, Online Registration Instructions, http://www.citruscollege.edu/ce/Pages/RegisterinAdvance.aspx.

2. Mail
   A registration form is available in the printed class schedule. Please print clearly and provide all of the information requested on the form to ensure quick registration process. Fees can be paid by credit card, check or money order, payable to Citrus College. Payments can be mailed to:
   Continuing Education Office
   Citrus College
   1000 W. Foothill Blvd.
   Glendora, CA 91741-1899

3. Phone
   Registration by phone is available, and VISA, MasterCard, and Discover is accepted. Call (626) 852-8022, Monday through Thursday from 8 a.m. to 9 p.m., and Friday from 8 a.m. to 12 p.m.

4. Fax
   Students may fax their registration form any time, along with a payment from VISA, Master Card or Discover. Complete the registration form found in the printed schedule and fax to (626) 852-8028.

5. In Person
   Students may register in person at the Continuing Education Office. The office is located in the Lifelong Learning Center, Monday-Thursday from 8 a.m. to 9 p.m., and Friday from 8 a.m. to 12 p.m.
Citrus College Institutional Learning Outcomes

Institutional outcomes are not limited to students in programs and services, but may apply to the broader community served by the college. Institutional outcomes demonstrate commitment to the college mission, which is presented on page 8 of the college catalog.

**Institutional Outcomes:** Citrus College fosters a diverse educational community and cultural learning environment that supports student success in the six areas of core competencies adopted by the college in order to assure an informed and ethical citizenry. The six areas of core competency are: communication; computation; creative, critical, and analytical thinking (informational competency); community/global consciousness and responsibility; technology, and discipline/subject areas specific content material. These areas are presented on page 66 of the college catalog.

**Academic Excellence** (General Education): Students transferring or completing degrees or certificates from Citrus College must demonstrate effectively assessed learning in the six areas of core competency.
- Instructional programs and services
- Student Support Services
- Institutional Support

**Economic Opportunity** (Career and Technical Education): Participants preparing for employment and/or career advancement demonstrate effectively assessed learning in the six areas of core competency adopted by the college.
- Instructional programs and services
- Student Support Services
- Institutional Support

**Foundational Skills for Student Success** (Basic Skills): Participants engaged in development of foundational skills for student success demonstrate effectively assessed personal achievement in the six areas of core competency adopted by the college.
- Instructional programs and services
- Student Support Services
- Institutional Support

**Administration of Justice**
- Demonstrate an ability to write clearly and accurately about the administration of justice process using appropriate vocabulary.
- Demonstrate critical and analytical thinking about issues in the administration of justice system.
- Evaluate emerging case law and landmark decisions of the courts.
- Demonstrate a comprehension and appreciation of the connections, contributions, experiences, and potential conflicts of various ethnicities, races, and genders as they interact with the criminal justice components.
- Demonstrate an awareness of sciences and emerging technologies as it impacts the administration of justice components.
- Demonstrate an understanding of the administration of justice system and how the student as an individual understands career opportunities in the field as well as individual /community rights and responsibilities.
- Demonstrate an awareness of crime causation, roles of the components of the administration of justice system, and social and economic impact of crime on society.

**Anthropology**
- Demonstrate analytical and critical analysis skills using college-level vocabulary and writing skills.
- Analyze a variety of behavioral science research designs.
• Demonstrate analytic thinking by comparing and applying anthropological theories and concepts to human culture.
• Demonstrate recognition and analyze examples of ethnocentrism, xenocentrism, and cultural relativity for the purpose of understanding the dangers of prejudice and to develop appreciation of diversity of cultures around the world.
• Demonstrate use of technology as a source of information for purposes of academic research and to facilitate synchronous and asynchronous communication found in a variety of program courses, labs, and online databases in order to improve digital skills necessary in a global environment.
• Explore anthropological concepts such as language, culture, human use of material items, and humans from a biological construct to benefit from seeing the world through an anthropological culturally relative viewpoint.

**Art - Fine Arts**

• Utilize proper vocabulary in the study and discussion of visual arts and art history in order to prepare for advanced study in visual arts and art history and university transfer.
• Analyze, create, notate and perform examples in a variety of styles within a studio environment for the advancement and perfection of skills that are required in order to prepare for advanced study in visual arts and art history, university transfer and performance (music industry) and university transfer.
• Research, identify, and evaluate historical periods in art history for a heightened awareness of human expression.
• Prepare for the rigors of research required by a four-year institution through research assignments, slide identification, and museum papers.
• Recognize how society world views influence visual arts and art history traditions in order to demonstrate an individual's ability to draw conclusions based upon philosophical considerations and an understanding of how one can influence his/her immediate community, increase awareness of one's personal impact upon that community, and the documentation of findings.
• Implement current computer software as tools to further the creation of art and utilization of the Internet as a research and broadcast vehicle for the reinforcement, development, application and/or improvement of computer related and research skills.
• Demonstrate competency in all levels of visual arts and art history from introductory to advanced.

**Astronomy**

• Use astronomy in the news to explain astronomical objects and processes to their peers to help improve understanding of current astronomical research.
• Estimate and/or calculate the characteristics of astronomical objects, and understand the meaning of these calculations in order to better understand the natural processes that produce these characteristics.
• Formulate scientific hypotheses in order to distinguish between scientific and non-scientific questions and methods.
• Develop an understanding of relevant astronomical process as well as processes from related sciences (e.g. physics, geology, chemistry) and apply these processes to predict the properties of astronomical bodies.
• Understand the size and scale of the universe to better appreciate the Earth's place within it.

**Automotive Technology**

• Acquire skills pertinent to industry-level national certification exams in the transportation industry.
• Exit the program with a personal/professional commitment to uphold the high standards and uplift the integrity of the automotive industry.
• Utilize knowledge acquired in the Automotive Technology Program to maximize employment potential in the industry through successful completion of course level outcomes.

**Biology**

• Demonstrate an understanding of biological concepts through written and/or oral assignments and activities.
• Acquire scientific information from multiple sources including textbooks, the Internet, personal communication with professionals in the field, educational computer software.
• Estimate and/or calculate the characteristics of biological systems and demonstrate an understanding of these calculations in order to better understand the natural processes that produce these characteristics assessed through quizzes, exams, and other related assignments.
• Develop an understanding of relevant biological processes as well as processes from related sciences (e.g. physics, geology, chemistry) and apply these processes to predict the properties of biological systems.
• Examine how human activity has contributed to positive and negative changes in the environment to better understand and discuss past, current, and future environmental issues.

**Business**

• Promote the development of organizational skills, such as networking, writing, speaking, and listening skills that lead to effective communication within and between organizations.
• Develop an understanding of the financial and investment priorities of individuals and organizations as impacted by financial institutions/markets and changing economic conditions.
• Encourage the development of critical and analytical skills within students through readings, lectures, discussions, exams, case studies, and projects.
• Promote the understanding of and appreciation for the ethical behavior and social responsibility of individuals, organizations, and institutions within the global community.
• Demonstrate an understanding of the impact that the global environment has on today’s organizations.
• Understand how the functions of management (planning, organizing, leading, and controlling) impact organizational performance.
• Create understanding of the environments that impact organizational growth and job creation. Those factors are the economic and legal, the technological, the competitive, and the social environments.

**Chemistry**

• Formulate knowledge of chemical processes for use in professional fields related to the discipline.
• Develop knowledge of elements and the synthetic process of compounds as used in the chemistry discipline.
• Analyze and understand relevant chemical processes as well as related sciences (biology and physics) and logically apply them to the professional disciplines.
• Utilize the most current technological tools (computers, IR Spectroscopy) to assist in the study and development of processes related to the chemistry discipline.

**Child Development**

• Acquire knowledge, communication, and foundational teaching skills necessary to work in the teaching profession.
• Identify, analyze, and apply theories of early childhood education and child development.
• Apply ethical standards and professional behaviors that demonstrate an understanding, knowledge, and a deepening commitment to the child development profession and early childhood education.
• Demonstrate global consciousness to work with diverse cultures, families, and individuals and teach children.
• Acquire knowledge and foundational teaching skills necessary to work in the teaching profession.
• Apply effective guidance and teaching strategies that support social growth, learning, and identity development and promote self-confidence.
• Design, implement and evaluate environments and activities that support positive relationships, social skills and learning outcomes for children.
Communications (Journalism)

- Interpret and critically assess a variety of media messages, including those that reflect multicultural perspectives in order to make connections, critically compare and contrast ideas, and produce written, oral, and visual messages.
- Identify and apply criteria for distinguishing fact from opinion and demonstrate awareness and sensitivity to biases in messages in order to produce communication that are accurate, objective, fair, and balanced.
- Understand and apply ethical and legal principles of professional communications organizations in order to cultivate trust, responsibility and credibility.

Computer Science and Information Systems

- Demonstrate comprehension of essential hardware, software and computer system terminology. Become familiar with, and able to use prompts, commands, menus, and dialog boxes to interact with computers.
- Organize computer-based documents into files and folders using one or more operating systems.
- Achieve at least basic familiarity with various Windows-based applications, including word processing, spreadsheets, presentation graphics and databases.
- Increase verbal communication skills. Improve the ability to summarize ideas and distill main concepts.
- Work extensively with arithmetic computations and operations related to program structure, recursive functions, data manipulation, binary trees, polymorphisms, problem analysis and algorithm design.
- Improve skills in critical and analytical thinking while working in areas including problem analysis and algorithm design, operands and arguments, stack abstract data manipulation, heap manipulating, linked lists, binary trees, polymorphisms, and the effective use of contemporary compilers to design, debug, execute and deploy programs.

Cosmetology

- Become familiar with terminology related to the cosmetology industry and explain procedures, processes, and health and safety hazards to clients.
- Determine the appropriate formula, ratios, and percentage of chemical compounds used during procedures.
- Identify the appropriate procedure, processes, and supplies necessary for client service.
- Develop the industry skills necessary to pass the California State Board of Barbering and Cosmetology exam.

Counseling (Instruction)

- Self-advocate to meet academic, personal and career goals by successfully communicating with campus faculty and staff.
- Demonstrate knowledge of skill awards, vocational certificates, associate degrees and transfer options to classify educational goal.
- Achieve academic, personal, and career goals by examining self-esteem and personal awareness by effectively working with the college counselor/instructor through variety of assessments and assigned activities.
- Identify campus and/or community services to appropriately apply them toward educational goals.
- Develop a global appreciation and respect for diversity and cultural differences for the purpose of examining world communities and developing intercultural awareness.
- Demonstrate the ability to identify, analyze, and gather specific information about occupations, career opportunities and trends to increase understanding of the relationship of the student to the economic community and develop career plans.
- Examine topics related to student success so that they can categorize learning styles, personal strengths, and career interests.
- Demonstrate knowledge and proficiency of technology to gain an increased understanding of matriculation and student services.
- Demonstrate proficiency in the application of online resources such as career and transfer websites, distance education, library services and self-assessments to meet their academic goal.
Dance

- Convey artistic intentions of movement and dance.
- Display creative awareness of dance.
- Exhibit perspective on historical and stylistic components of dance.
- Demonstrate a functional knowledge of alignment, ballet, tap, jazz and modern dance techniques through the beginning and intermediate level.
- Demonstrate competency in dance performance skills and ability.

Dental Assisting, Registered

- Use correct dental terminology and nomenclature in the correct context in order to effectively communicate dental information and concepts to others.
- Develop problem-solving and self-assessment skills and make appropriate decisions regarding a variety of procedural situations.
- Demonstrate the ability to interact with patients and work effectively as a member of the dental team.
- Maintain the standard of care during dental treatment and promote oral health.
- Develop the ability to use and adapt to current technology used in dental practices.
- Demonstrate proficiency in the current duties of an RDA, practicing within the delegated duties (scope of practice).
- Develop foundational knowledge of dental procedures and the ability to communicate and apply their concepts and principles.

Drafting and Design Technology

- Describe effective drafting techniques including graphic communication, orientation, and decision making.
- Demonstrate the ability to estimate time, material, labor and equipment for design and working drawings.
- Demonstrate planning techniques and administration of document control for design and working drawings.
- Think logically and coherently about technical issues and gain an appreciation for the global social and political impact of technical endeavors.
- Use technology to prepare hand drawings, Computer Aided Drawings (CAD), and multimedia presentations.

Earth Science

- Use proper vocabulary and notation when describing scientific concepts pertaining to Earth’s processes and environments. Read scientific books, journals, or articles and critically analyze scientific information. Communicate to others information about our Earth’s processes and environments.
- Develop an understanding of, and curiosity toward, the natural world. Develop the skills necessary to synthesize and analyze scientific material pertaining to the Earth’s processes and environment, checking for its validity and accuracy.
- Demonstrate an understanding of the natural world that will increase community and global awareness of environmental concerns to be set on the path of lifelong learning.

Economics

- Analyze the characteristics of an industry to determine its degree of competition and the type of market structure.
- Use technology and math in the calculation of costs of production and determining a corresponding level of production and price given the type of market in which a firm is operating to prepare the students for success in upper division economics and business classes.
- Demonstrate understanding the workings of a market including demand, supply, and the price system by predicting changes to demand, supply, and prices as a result to events, graphing curves, calculation of quantities and prices for evaluating information analytically and making better decisions in business.
- Identify conditions that would result in market failure such as pollution, inequality in the distribution of income, market power, and lack of public goods to formulate coherent opinions about public policies and promote active citizenship.
- Use the computer for research, computation, and word processing for written reports, conducting online quizzes, graphing, solving problems, and communicating when collaborating with their peers to become aware of available tools and resources.
• Demonstrate understanding of the concepts of scarcity and choice, which define the field of economics to make better decisions as consumers and in business.

• Locate, organize, and analyze information regarding the measurement of the macro economy using technology, basic math skills, and computer proficiency and present the findings.

• Compare and contrast the main theories that explain macroeconomic activities including recessions, expansions, employment, and inflation and to show the differences using graphs and calculations to demonstrate an understanding of government policy and its implications in these areas.

• Develop an understanding of the theories and patterns of international trade and its effects on societies in terms of standards of living, productivity, labor markets and the environment to promote respect for others and cultural awareness.

• Use the computer for research, computation, and word processing for written reports, conducting online quizzes, graphing, solving problems, and communicating when collaborating with their peers to become aware of available tools and resources.

**Emergency Medical Technician**

• Use correct medical terminology and nomenclature in the correct context in order to effectively communicate health/medical information and concepts to others.

• Demonstrate an understanding of the ethical responsibilities of EMS and other healthcare providers.

• Calculate various I.V. drip rates for patients undergoing I.V. therapy.

• Develop problem solving and self-assessment skills and make appropriate decisions regarding a variety of procedural situations.

• Identify the signs and symptoms of common medical emergencies related to various body systems.

• Demonstrate the ability to interact with patients and work effectively as a member of the emergency medical services team.

• Discuss various EMS systems both local/state and international.

• Develop the ability to use and adapt to current technology used in emergency medical services practices.

• Demonstrate understanding of administering patient prescribed drugs to patients.

• Demonstrate proficiency in the current duties of an EMT, practicing within scope of practice.

**English**

• Become college level writers who critically analyze and synthesize source material by producing argumentative essays in response to readings.

• Become informed, thoughtful writers who are respectful of diverse perspectives and demonstrate cultural awareness, personal responsibility, and ethical behavior.

**English as a Second Language (ESL)**

• Read analytically and critically at the college level.

• Write in grammatically correct English with clarity and fluency.

• Listen actively and speak articulately.

• Research and synthesize information on topics using library and Internet sources.

• Analyze and self-correct grammatical, semantic, and lexical errors.

• Participate appropriately in an American college classroom by demonstrating cultural awareness, personal responsibility, and ethical behavior.

**Esthetician**

• Understand the components of creating a professional atmosphere.

• Develop confidence, proficiency and appreciation for the specialized knowledge required for a lucrative career within a professional environment.

• Recognize facial treatment philosophies.

• Master the art of makeup design and hair removal to ensure success in the industry.

• Successfully complete 600 hours and pass the California State Board exams.
Foreign Languages

- Communicate (write, speak, listen, read) in the target language.
- Analyze literary texts.
- Be conversant about the target language cultures and demonstrate scholarly behavior in all campus interactions.

Forestry (Wildland Resources)

- Express knowledge of scientific terminology as it relates to the management of wildland and other renewable resources.
- Collect and interpret data, tables, and graphs to demonstrate an understanding of the types of data available in the realm of wildland resources.
- Generate scientific hypotheses to distinguish between scientific and non-scientific questions and methods that relate to wildland resources to meet the emerging mandates for conservation, biodiversity, ecosystem management, and long-term sustainability.
- Examine how human activities have contributed to changes in the wildland environment to better understand and discuss past, current, and future issues related to wildland resources.
- Select and use appropriate scientific apparatus.

History

- Demonstrate an ability to write clearly and accurately about the historical process using an appropriate vocabulary.
- Demonstrate critical and analytical thinking about historical themes to compare and contrast time periods or groups of people and their experiences.
- Demonstrate an ability to evaluate primary and secondary sources to contextualize the course material.
- Demonstrate a comprehension and appreciation of the connections, contributions, and experiences of various regions, ethnicities, races and genders in the creation of the modern world to develop a pluralistic perspective.
- Demonstrate quantitative knowledge of important historical patterns, processes, developments, figures and events to comprehend the chronology of historical events and patterns and their impact on developing societies.

- Demonstrate an understanding of the historical process and how the student as an individual relates to developments that have created modern societies.

Humanities

- Demonstrate understanding of cultural geographical issues and vocabulary for purposes of successfully navigating a transferable level course.
- Use the terminology of logical analysis or other argumentative skills to evaluate cultural geographical arguments, in order to formulate a well-reasoned philosophical thesis, and to demonstrate critical thinking skills.
- Develop tolerance and respect for religious and cultural geographical views different from one’s own by showing awareness of possible objections to one’s own view, using college level vocabulary and proper grammar.
- Read original philosophical texts from a wide range of the history of humanities, to show understanding of major philosophical issues appropriate to a transferable course.
- Become acquainted with the rich variety of religious traditions and demonstrate knowledge of them to show ability to operate in a global environment of diverse traditions.

Information Technology

- Use and possess broad-based knowledge of information and concepts related to installing and maintaining computer hardware, installing and maintaining computer networks, and solving computer hardware and network problems.
- Apply knowledge and skills in diverse areas of information technology in order to certify in various industry certifications.
- Have the knowledge, skill and behaviors necessary to obtain an entry-level position as a computer hardware installer/technician, computer network technician, field service technician, network and communication specialist/technician or other related field of information technology.
Kinesiology - Physical Education

Competitive Athletics

- Demonstrate an appreciation of diversity in society, develop awareness of diverse cultures and apply sensitivity, respect, and empathy toward others through direct interaction with others during training and competition.
- Demonstrate understanding and adopt acceptable means for enjoying team activities and competition by learning to play by correct rules and by employing proper decorum.
- Improve knowledge and encourage the implementation of lifelong physical activity and wellness to promote a healthy lifestyle through training and competition.
- Analyze and demonstrate training methods to increase students’ preparation for lifelong fitness through training and competition.
- Enhance knowledge of rules and regulations of sports to reflect an appreciation of individual and team activities through competition.
- Analyze and evaluate practice and game situations that allow students to demonstrate problem solving skills that they will utilize throughout their lives.
- Utilize video/computer recordings to analyze skill development to enhance training and improve performance during competition.
- Utilize video/computer recordings to analyze team practice and competition strengths and weaknesses to develop strategies for successful performance during competition.
- Execute advanced skill techniques required to participate in athletics at the intercollegiate level.
- Demonstrate an understanding of the rules of the sport in which they participate.
- Demonstrate the use of proper attitude regarding team cooperation, sportsmanship, coachability and competitiveness.
- Improve muscular strength, endurance, flexibility, body composition and cardiovascular endurance through training and competition.
- Promote self-esteem and enjoyment of body movement through participation in individual and team sports.

Mathematics

- Use proper vocabulary and notation when describing mathematical concepts; be able to read books and documents and extract quantitative information.
- Develop level-appropriate computational skills: numeric calculation, evaluation of expressions, analysis of data and application of concepts.
- Develop an understanding of, and curiosity toward the physical world.
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- Develop an understanding of, and curiosity toward the physical world.
- Be adept at using instructional software found by navigating the Web and the Windows environment.
- Perform mathematics functions at a level appropriate to the course. This “level” may range from arithmetic through differential equations and may include statistics, teacher prep and other topics.
Music – Commercial

- Convey artistic intentions of music through successful completion of practicum applications of various stylistic techniques.
- Apply computational skills necessary for analysis of musical scores and underlying musical structure.
- Display creative awareness of music through individual performance and ensemble techniques.
- Exhibit perspective on historical and stylistic components of music.
- Utilize technological instrumental music instructional tools (i.e. digital tuners and metronomes, computer based accompaniment systems) and instrument specific performance technology (i.e. amplification and microphone technique).
- Demonstrate a functional knowledge of performance techniques and practice techniques through the beginning and intermediate level.

Music – History & Theory

- Utilize proper vocabulary in the study and discussion of music theory and history.
- Identify, and evaluate historical periods in Western music and analyze, create, notate and perform musical examples in a variety of styles within "classical traditions".
- Demonstrate a heightened awareness of human expression through the art of music and the advancement and perfection of skills that are required.
- Recognize how society world views influence musical traditions in order to gain an awareness of the interrelationship of culture and music.
- Demonstrate the ability to implement notational, ear training, and/or specialty software (online) for the reinforcement, application and/or improvement of aural skills in music analysis and performance.

Music – Instrumental

- Convey artistic intentions of music through successful completion of practicum applications of various stylistic techniques.
- Display creative awareness of music through individual performance techniques.
- Exhibit perspective on historical and stylistic components of music.
- Demonstrate the ability to utilize technological instrumental music instructional tools (i.e. digital tuners and metronomes, computer based accompaniment systems) and instrument specific performance technology (i.e. amplification and microphone technique).
- Demonstrate a functional knowledge of performance techniques and practice techniques through the beginning and intermediate level.

Music – Vocal

- Demonstrate an understanding of basic vocal music, vocal vocabulary, and an appropriate variety of vocal styles in order to prepare for advanced study in music, university transfer, and performance (music industry).
- Recognize standards in categories such as intonation, harmonization, vocal blend, and tone color.
- Understand and evaluate the musical and cultural significance, and organizational structure of vocal compositions for a greater ability to assimilate all vocal music in future studies (university work skills and/or performances).
- Generate relationships with the community, develop individual strengths and effective group interdependence to improve citizenship and cultural awareness, develop leadership and respect for others.
- Demonstrate personal vocal growth and musicianship skills to improve necessary skills for university transfer and advancement as a professional in the music industry.

Natural History

- Articulate an understanding of biological, ecological, geological, and climatological processes and use scientific terminology for the purpose of understanding human’s role in the region.
- Evaluate information released from various federal, state, and local agencies regarding the utilization and protection of the natural environment.
- Explore energy flow mechanisms to explain the diversity of living organisms in a variety of ecosystems.
- Analyze the intra- and interspecific actions and relationships among living organisms.
• Investigate genetic variations and adaptations among plant and animal species to understand natural selection and evolution.
• Examine how human activities in diverse cultures have contributed to positive and negative changes in the environment to better understand and discuss past, current, and future environmental issues.

**Noncredit and Community Education**

• Noncredit basic skills learners will successfully articulate into credit instruction.
• Noncredit ESL learners will enhance their written and verbal communication skills, leading to increased personal and professional growth.
• Noncredit and Community Education instruction will improve the learner’s life skills, employability, physical wellness, overall sense of well-being, and/or offer personal enrichment.

**Nurse Assistant**

• Communicate in English verbally and in writing using appropriate medical terminology.
• Collect, calculate and interpret observations.
• Develop problem-solving skills and make appropriate decisions regarding a variety of situations.
• Provide culturally specific healthcare to all people.
• Develop the ability to use and adapt to current technologies used in the healthcare setting.
• Provide patient care that falls within the scope of practice as set forth by the California Department of Health Services.

**Office Technology**

• Develop reading, writing, business grammar, punctuation and communication skills.
• Purchase items online through electronic commerce and through utilizing telecommunications to increase technological skills for the office.
• Develop database management skills to create tables, forms, queries, and reports for records within an organization.
• Emphasize non-correspondence records, information storage, and retrieval systems and manage records retention, disposition, and the operation of a records management program.

• Keyboard accurately utilizing proofreading and editing skills as well as creating, formatting and editing business documents.
• Increase knowledge of Windows, Office 2007 which includes Microsoft Word, Excel, Access, PowerPoint and Outlook through hands-on training.
• Apply job research skills, enhance telephone and business etiquette, develop teamwork and customer rapport, and increase interviewing skills through the Professional Development Series courses.
• Demonstrate knowledge of basic Windows operations, use of Blackboard management system for online education, and utilization of multimedia software and equipment to ensure relative training for the 21st century.

**Philosophy**

• Demonstrate understanding of philosophical issues and vocabulary using college level vocabulary and proper grammar, for purposes of successfully navigating a transferable level course.
• Demonstrate ability to read analytically and critically use college level vocabulary and proper grammar, for purposes of successfully navigating a transferable level course.
• Discriminate between controversial and non-controversial claims using college level vocabulary and proper grammar, to show awareness of the need for a reasoned support of any controversial claim.
• Use the terminology of logical analysis or other argumentative skills to evaluate philosophical arguments in order to formulate a well-reasoned philosophical thesis, and to demonstrate critical thinking skills.
• Develop tolerance and respect for religious and philosophical views different from one’s own by showing awareness of possible objections to one’s own view using college level vocabulary and proper grammar.
• Read original philosophical texts from a wide range of the history of philosophy, to show understanding of major philosophical issues appropriate to a transferable course.
• State a philosophical thesis clearly, support it with arguments and examples, and anticipate and respond to reasonable objections using college level vocabulary and proper grammar, in order to show the ability to formulate a well-reasoned philosophical thesis.
• Apply methods of formal logical analysis to test the validity of argument to show understanding of the value of formal methods appropriate to a transferable critical thinking course.
• Become acquainted with the rich variety of religious traditions using college level vocabulary and proper grammar, to show ability to operate in a global environment of diverse traditions.

**Photography**

• Utilize photographic techniques for creative application in capturing emotion and thought through photography.
• Create a variety of projects utilizing basic photographic knowledge in traditional and digital formats.
• Examine and evaluate gallery and museum exhibitions, photography documentaries, periodicals and books.
• Demonstrate computer proficiency in specialized programs related to photography and demonstrate the ability to translate traditional photography techniques to digital.
• Review, analyze and critique photographic work in terms of compositional elements including focal field, rule of thirds, leading lines, depth of field, lighting and exposure.

**Physics**

• Use proper vocabulary and notation when describing physics concepts. Communicate these concepts to others both verbally and in written form including verbal, pictorial, graphical, and mathematical.
• Critically analyze scientific information found in print, visual, or online media such as scientific and non-scientific books, journals, articles, web pages, television, and film.
• Apply physics concepts in mathematical form using the appropriate computational skills for the course, including numeric calculation using algebra, graphical analysis, and/or the evaluation of calculus expressions.
• Demonstrate an understanding of the fundamental principles of physics.
• Develop problem-solving, decision-making, and critical thinking skills and apply them to develop an understanding of interactions in the physical world.

• Distinguish between scientific and non-scientific questions and methods and understand science as a process.
• Think logically and coherently about technical/scientific issues in order to understand the complex problems involved in science and engineering and to gain an appreciation for the global social and political impact of scientific endeavors.
• Use computers for word processing, data analysis, tutorials, simulations, and/or web-based research as appropriate for each course.
• For laboratory courses, demonstrate fundamental aptitudes in the proper use of mechanical, electrical, and/or other appropriate devices.

**Political Science**

• Utilize college-level articulation to judge different behavioral science research designs to develop communication skills needed for transfer level course work.
• Demonstrate analytical and critical analysis skills using college level vocabulary and writing skills for the purposes of successfully navigating a transferable level course.
• Demonstrate proficiency in analyzing numerical data in order to critique historical data and to gain perspective of the role of data in historical research and research methodology.
• Analyze basic concepts which have been embodied in the structure of governments and governmental systems to develop an understanding of the functions of governments.
• Analyze the forms of government in terms of civil and human rights as well as international relationships to develop an understanding of the impact of the political process on society.
• Identify and analyze the environmental, cultural, historical and social factors effecting the development of political systems today to develop an understanding of political systems.
• Demonstrate technological skills such as word processing, electronic messaging, and navigating through the Internet, synchronous and asynchronous discussions, electronic database research and/or other computer based assignments to improve technology skills necessary in a world that relies on increasing
technology to gain information and as a means of communication.

- Identify and analyze the types of problems associated with political and economic development in society to develop an understanding of the study of political science.
- Analyze the political theorists and philosophies that have given rise to governmental systems to develop an understanding of the study of political science.

**Psychology**

- Demonstrate analytical and critical analysis skills using college level vocabulary and writing skills for the purposes of successfully navigating a transferable level course.
- Demonstrate proficiency in analyzing or manipulating numerical data in order to critique scientific study to gain perspective of the role of data in psychological research and research methodology.
- Analyze a variety of behavioral science research designs to develop critical analysis needed for transfer level coursework.
- Demonstrate analytic thinking by comparing and applying psychological theories to human behavior to relate classroom theory to real-world examples.
- Demonstrate proper use of basic word processing and computing skills through research, synchronous and asynchronous communication, and written essay to access information available only through technological means to improve technology skills necessary in a global environment.
- Explore issues of efficacy and self-exploration to benefit from the unique content of course work in psychology.

**Public Works**

- Describe and explain the fundamentals of street maintenance.
- Describe and explain the ability to read and interpret plans.
- Properly demonstrate a clear understanding of inspection records, duties, and job diary techniques.
- Demonstrate a clear understanding of codes and ordinances.
- Explain how to effectively use resources to administer infrastructure maintenance.
- Demonstrate knowledge of equipment and techniques used for street maintenance.
- Explain preventative methods and materials, emphasizing the importance of the need for longevity, in street construction and maintenance.

**Recording Technology**

- Communicate effectively using proper vocabulary in written and verbal form to facilitate the technical and creative outcomes of a product.
- Apply acoustic concepts and mathematical formulas to demonstrate understanding of wave theory, room acoustics, materials, and microphone and speaker placement.
- Demonstrate understanding of the fundamental principles of audio through developing critical.

**Sociology**

- Communicate knowledge of sociological theory and social research in order to better understand and explain the social world.
- Develop an understanding of human behavior in the social context in order to understand the nature of human action.
- Identify the structure of groups, organizations, or societies in order understand how the social structure influences social life.
- Apply sociological theory and research to evaluate culture, social patterns, social interaction, and human behavior.
- Employ sociological concepts to examine society and everyday life in order to acquire the conceptual tools needed to analyze the complexities of social life.
- Analyze the social interactions and relationships that shape beliefs and practices for the purposes of understanding how beliefs and practices are produced and reproduced.
- Analyze the patterns in society in order to understand the factors that shape society.
- Demonstrate an ability to think sociologically about social problems in order to understand the social forces that cause those problems.
- Develop an understanding of cultural, social and political views different from one's own by showing awareness of possible objections to one's own view.
- Recognize the factors that contribute to social stratification in order to explain how social inequality is produced and reproduced.
• Develop an ability to critically analyze ideologies for the purpose of understanding belief systems.
• Read sociological texts and demonstrate comprehension to show understanding of major sociological issues.
• Apply methods of social research and analysis to social life and develop an understanding of the value of research methods appropriate to the social sciences.
• Compare contemporary American society with other societies and societies of the past in order to recognize the similarities and differences between various societies.

Speech Communication

• Demonstrate college-level understanding of communication theory and its practical application by reading analytically and critically.
• Write in grammatically correct English with clarity and fluency.
• Listen actively and speak articulately.
• Adapt communication skills to a variety of audiences in a variety of contexts.
• Critically analyze communication issues.
• Exercise creativity in the presentation of speeches.
• Conduct college-level research and apply findings to support logical arguments.
• Communicate effectively within a diverse society.
• Understand the vital role of ethics in communication.

Theatre

• Convey artistic intentions through acting, directing, technical theatre and design with the successful completion of various applications of stylistic techniques.
• Display creative awareness of theatre through individual performance techniques.
• Exhibit perspective on historical and stylistic components of theatre.
• Demonstrate a functional knowledge of theatrical technology from the beginning through the intermediate level.
• Demonstrate a functional knowledge of theatrical techniques from the beginning through the intermediate level.
• Demonstrate competency in theatre performance skills and ability Occupational Safety and Health Administration (OSHA) regulations related to public drinking water.

Vocational Nursing

• Use correct medical terminology and nomenclature, in the correct context, in order to effectively communicate health/medical information and concepts to others.
• Demonstrate the ability to perform accurate calculations of intake and output, drug dosages, and IV rates.
• Develop problem-solving and self-assessment skills and make appropriate decisions regarding a variety of procedural situations.
• Demonstrate the ability to interact with patients and work effectively as a member of the health care team.
• Provide culturally specific healthcare to all people.
• Develop the ability to use and adapt to current technologies used in the healthcare setting.
• Provide patient care that falls within the scope of practice as set forth by the BVNPT.

Water Technology

• Describe and explain regulatory issues that relate to the public drinking water supply.
• Diagram and explain the fundamentals of the water distribution system including SCADA (supervisory control and data acquisition), maintenance, pumps, hydraulics, and valves.
• Given a scenario involving water contamination, identify the contaminants, recommend the best treatment, administer the treatment and then verify the contaminants are below allowable safety thresholds.
• Demonstrate the safe handling of chemicals used in the water industry and describe the thinking, decision-making and problem solving skills by applying them to the studio, post-production and live sound environments.
• Develop interpersonal skills, empathy, and respect for others to gain key skills expected of professionals in the field.
• Demonstrate advanced computer competency by completing production assignments utilizing software-based production and editing systems.
• Understand the technical, creative and interpersonal skills required by the entertainment industry through demonstrating thorough knowledge of digital audio workstations and all audio hardware as appropriate to each course.
How are Citrus College’s Academic Programs Organized?
Academic Divisions, Departments, and subject (with subject codes)
(All telephone numbers are area code 626)

Career, Technical and Continuing Education Programs
Continuing Education
852-8022
Noncredit (NC)

Cosmetology
914-8710
Cosmetology (COS)

Public Services
852-6402
Public Works (PUB)
Water Technology (WATR)

Technology & Engineering
852-6402
Automotive Technology:
  Automobile and Light Truck Technology (AUTO)
  Motorcycle Technology (MOTO)
  Medium and Heavy Truck Technology (MTRK)
Architecture (ARCH)
Computer Information Systems (CIS)
Computer Science (CS)
Drafting Technology (DRAF)
Engineering (ENGR)
Information Technology (IT)
Office Technology & Computer Applications (OFF)

Counseling
914-8530
Counseling (COUN)
Disabled Student Programs & Services (DSPS)
914-8675

Fine and Performing Arts
Fine Arts
914-8580
Art (ART)
Photography (PHTO)

Performing Arts
914-8580
Dance (DANC)
Music—Commercial (MUSC)
Music Education (MUSE)
Music—Performance (MUSP)
Recording Technology (REC)
Theatre Arts (THEA)

Kinesiology (formerly PE)
914-8650
Kinesiology (KIN)
Competitive Athletics (KINC)

Language Arts
914-8856
Communications (COMM)
English (ENGL)
English as a Second Language (ESL)
Linguistics (LING)
Reading and College Preparation (READ)
Speech (SPCH)

Foreign Languages
914-8856
Chinese (CHIN)
French (FREN)
German (GER)
Japanese (JPN)
Spanish (SPAN)

Mathematics, Business and Health Sciences
914-8792
Accounting (ACCT)
Business (BUS)
Mathematics (MATH)
Real Estate (REAL)

Health Sciences
914-8720
Dental Assisting (DENT)
Emergency Management (EMER)
Health Sciences (HEAL)
Nursing (NRS)
Registered Nursing/Associate Degree in Nursing (RNRS)
Vocational Nursing (VNRS)

Natural and Physical Sciences
Natural Sciences
914-8789
Biology (BIOL)
Biotechnology (BIOT)
Wildland Resources and Forestry (FOR)
Natural History (NAT)

Physical Sciences
914-8789
Astronomy (ASTR)
Chemistry (CHEM)
Earth Sciences (ESCI)
Physics (PHYS)

Social and Behavioral Sciences
Social Sciences
914-8860
Economics (ECON)
Geography (GEOG)
History (HIST)
Humanities (HUM)
Leadership (LEAD)
Philosophy (PHIL)
Political Science (POLI)

Behavioral Sciences
914-8660
Administration of Justice (AJ)
Anthropology (ANTH)
Child Development (CHLD)
Ethnic Studies (ETHN)
Psychology (PSY)
Sociology (SOC)
## Course Code Directory

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ACCT</td>
<td>Accounting</td>
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<td>AJ</td>
<td>Administration of Justice</td>
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<td>Anthropology</td>
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<td>Medium And Heavy Diesel Truck Technology</td>
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A Guide to Understanding the Course Descriptions

1. Course and Department Name.

2. Course Number
   The course numbering system distinguishes between courses that are degree applicable and those that are not. Units from courses numbered 001-099 are appropriate for financial aid and athletic eligibility, but may not be applied toward the units required for a degree. Units from credit courses numbered greater than 100 may apply toward the associate degree. Non-credit courses (indicated with an NC department designation) are not applicable for financial aid or athletic eligibility and may not be applied towards a degree or any certificate except a certificate of completion.

3. The units of credit that can be earned during a semester.

4. Grade or P/NP: the student can choose to take the course to receive a pass/no pass grade instead of a letter grade.

5. Concurrent enrollment required in a related course.

6. Course Description.

7. Transferable Course: designating that the course is transferable to the California State University (CSU) or the University of California (UC). To verify the transfer policies of other colleges and universities, consult a counselor.

8. The recommended reading level or skill preparation a student is expected to have in order to succeed in the coursework.

9. Prerequisite: a requirement that must be satisfied before enrolling in the course.

10. Number of times a course may be taken for credit.

11. The number of lecture hours and lab hours the course offers during the semester or session in which it is offered.
Noncredit Courses

Noncredit education is designed to supplement your continued growth and to enhance your employment opportunities, through classes ranging from basic skills and health care to vocational preparation and job re-training. Enrollment in noncredit classes is free and continues through-out the school year. All noncredit classes are subject to budget and attendance.

NC 1 Supervised Tutoring
This course provides learning assistance through supervised one-to-one or group tutoring. Students receive assistance outside of class time to improve learning and study skills. Content is specific to English, reading and mathematics. 144 lab hours.

NC 100 Partner Coached Lamaze
This course includes material on the importance of excellent prenatal care and its relationship to a safe and satisfying birth, as well as the exercises and techniques to increase the comfort of natural childbirth through relaxation and natural breathing. Partners are encouraged to attend and are an essential part of the class. 20 lecture hours.

NC 101 Strategies for the Young/New Parent
The course examines the theoretical and practical approaches to parenting and explores expectations, influences, and strategies of parenting with a focus on behaviors and attitudes. It explores the developmental states from childbirth to adolescence and constructive parenting techniques for working parents, single parents, and step parents. 30 lecture hours.

NC 200 Preparation for Academic Success
This course is designed to teach effective college study skills. Topics include time management, textbook study, lecture note taking, test taking strategies, exam preparation, computer-assisted instruction, and career exploration. 30 lecture hours.

NC 208A Algebra I A
Prerequisite(s): Placement by high school counselor or math placement exam.
This is an integrated course that combines the content of algebra with logical reasoning, statistics, probability, problem solving, real life situations, spatial visualization, and introductory topics in geometry. The course format will include activity-based investigations with hands-on activities and concepts and applications compliant with the adopted California State Mathematics Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 208B Algebra I B
Prerequisite(s): Placement by high school counselor.
This is a continuation of Algebra IA. This is an integrated course that combines the content of algebra with logical reasoning, statistics, probability, problem solving, real life situations, spatial visualization, and introductory topics in geometry. The course format will include activity-based investigations with hands-on activities, concepts and applications compliant with the adopted California State Mathematics Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 209A Algebra II A
Prerequisite(s): Placement by high school counselor.
This course introduces linear functions in two variables, solutions of systems of equations by various methods, operations with polynomials and factoring, quadratic functions, rational functions, radicals and elementary probability. This course combines algebraic concepts and geometry in several activities, projects and problems. Through each activity and project the student learns how to write algebraic expressions, understand the relationship among equations and graphs, explore functions, think critically and develop a clear understanding of sequences, series, probability, and exponential functions. Each activity and project is designed for real-life application, visual and hands-on approach to solving problems and use of technology. The course format will include activity-based investigations with hands-on activities and concepts and applications compliant with the adopted California State Mathematics Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 209B Algebra II B
Prerequisite(s): Placement by high school counselor.
This is a continuation of Algebra II A. This course introduces linear functions in two variables, solutions of systems of equations by various methods, operations with polynomials and factoring, quadratic functions, rational functions, radicals and elementary probability. This course combines algebraic concepts and geometry in several activities, projects and problems. Through each activity and project the student learns how to write algebraic expressions, understand the relationship among equations and graphs, explore functions, think critically and develop a clear understanding of sequences, series, probability, and exponential functions. Each activity and project is designed for real-life application, visual and hands-on approach to solving problems and use of technology. The course format will include activity-based investigations with hands-on activities and concepts and applications compliant with the adopted California State Mathematics Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 210A Freshman English A
Prerequisite(s): Placement by high school counselor or English placement exam.
The following disciplines of English are an integral part of this courses: reading, writing, vocabulary and speech. Students will read literature from the genres of poetry, short stories, novels, and plays. The student will be introduced to the process of writing. Spelling and content words will be chosen from the literature. Oral reports, oral readings, and memorized orals are incorporated into this course. The course format will include activity-based investigations with hands-on activities and concepts and applications compliant with the adopted California State English Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.
NC 210B  
Freshman English B  
Prerequisite(s): Placement by high school counselor or English placement exam.
The following disciplines of English are an integral part of this course: reading, writing, vocabulary and speech. Students will read literature from the genres of poetry, short stories, novels, and plays. The student will be introduced to the process of writing. Spelling and content words will be chosen from the literature. Oral reports, oral readings, and memorized orals are incorporated into this course. The course format will include activity-based investigations with hands-on activities and concepts and applications compliant with the adopted California State English Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 211A  
Sophomore English A  
Prerequisite(s): Placement by high school counselor or English placement exam.
The main purpose of this course is on college preparatory writing, introduction to literary analysis, and research skills. The major genres of literature are studied, discussed, and analyzed. Students continue to learn the processes of drafting, rewriting, and editing. In addition, students also learn to critique each other’s work and to use these editing skills on their own papers. Research skills are learned so the students will know how to gather information needed for clarification of reading or the beginning of writing. The course format will include activity-based investigations with hands-on activities and concepts and applications compliant with the adopted California State English Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 211B  
Sophomore English B  
Prerequisite(s): Placement by high school counselor or English placement exam.
The main purpose of this course is on college preparatory writing, introduction to literary analysis, and research skills. The major genres of literature are studied, discussed, and analyzed. Students continue to learn the processes of drafting, rewriting, and editing. In addition, students also learn to critique each other’s work and to use these editing skills on their own papers. Research skills are learned so the students will know how to gather information needed for clarification of reading or the beginning of writing. The course format will include activity-based investigations with hands-on activities and concepts and applications compliant with the adopted California State English Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 212A  
Junior English A  
Prerequisite(s): Placement by high school counselor or English placement exam.
This course is a survey of American literature covering philosophical, religious, political, and literary ideas in American writing from colonial times to the present. Emphasis will be placed on techniques of organizing and developing critical essays about fiction, poetry, and drama. Students will be required to study a major novel and participate in an independent reading program. The course format will include activity-based investigations with hands-on activities and concepts and applications compliant with the adopted California State English Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 212B  
Junior English B  
Prerequisite(s): Placement by high school counselor or English placement exam.
This course is a survey of American literature covering philosophical, religious, political, and literary ideas in American writing from colonial times to the present. Emphasis will be placed on techniques of organizing and developing critical essays about fiction, poetry, and drama. Students will be required to study a major novel and participate in an independent reading program. The course format will include activity-based investigations with hands-on activities and concepts and applications compliant with the adopted California State English Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 213A  
Senior English A  
Prerequisite(s): Placement by high school counselor or English placement exam.
Seniors will develop communication skills for college entrance. Writing, oral language, vocabulary building, and reading skills are the goals of the course. The student will be exposed to classic literary works, contemporary media such as newspapers, essays, and critical analyses of classic and contemporary non-fiction works. The student is challenged to develop skills of analysis, evaluation, and synthesis in both writing and oral language. The course format will include activity-based investigations with hands-on activities and concepts, and applications compliant with the adopted California State English Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 213B  
Senior English B  
Prerequisite(s): Placement by high school counselor or English placement exam.
Seniors will develop communication skills for college entrance. Writing, oral language, vocabulary building, and reading skills are the goals of the course. The student will be exposed to classic literary works, contemporary media such as newspapers, essays, and critical analyses of classic and contemporary non-fiction works. The student is challenged to develop skills of analysis, evaluation, and synthesis in both writing and oral language. The course format will include activity-based investigations with hands-on activities and concepts, and applications compliant with the adopted California State English Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 214A  
United States History A  
Prerequisite(s): Placement by a high school counselor.
The content will focus on the development of the United States during the 20th century. This course will enable students to understand the chronological flow of events, the dynamics of change, and the critical links between the past and the present in the United States. The course format will include activity-based investigations with hands-on activities and concepts and applications.
compliant with the adopted California State History Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

**NC 214B**
United States History B

*Prerequisite(s): Placement by a high school counselor.*

The content will focus on the development of the United States during the 20th century. This course will enable students to understand the chronological flow of events, the dynamics of change, and the critical links between the past and the present in the United States. This course format will include activity-based investigations with hands-on activities and concepts and applications compliant with the adopted California State History Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

**NC 215A**
World History A

*Prerequisite(s): Placement by a high school counselor.*

This course is a study of the major ideas and turning points that shaped the modern world historically, geographically, politically, economically and culturally in the 18th, 19th and 20th centuries. It analyzes the major ideas, people and events that have led to the development of today's contemporary world. The use of discussion groups, audiovisual aids, maps, student-oriented activities are employed throughout the course. This course format will include activity-based investigations with hands-on activities and concepts, and applications compliant with the adopted California State History Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

**NC 215B**
World History B

*Prerequisite(s): Placement by a high school counselor.*

This course is a study of the major ideas and turning points that shaped the modern world historically, geographically, politically, economically and culturally in the 18th, 19th and 20th centuries. It analyzes the major ideas, people and events that have led to the development of today's contemporary world. The use of discussion groups, audiovisual aids, maps, student-oriented activities are employed throughout the course. This course format will include activity-based investigations with hands-on activities and concepts, and applications compliant with the adopted California State History Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

**NC 216**
American Government

*Prerequisite(s): Placement by a high school counselor.*

In this course, students will develop a deeper understanding of the institutions of American government. Students will compare the systems of government in the world today and analyze the history and changing interpretations of the Constitution, the Bill of Rights, and the current state of the legislative, executive, and judicial branches of government. An emphasis is placed on analyzing the relationship among federal, state, and local governments, with particular attention paid to important historical documents such as the Federalist Papers. This course format will include activity-based investigations with hands-on activities and concepts, and applications compliant with the adopted California State History and Social Sciences Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

**NC 217**
Economics

*Prerequisite(s): Placement by a high school counselor.*

In this course, students will master fundamental economic concepts, applying the tools (graphs, statistics, equations) from other subject areas to the understanding of operations and institutions of economic systems. Studied in a historic context are the basic economic principles of micro- and macroeconomics, international economics, comparative economic systems, measurement, and methods. This course format will include activity-based investigations with hands-on activities and concepts, and applications compliant with the adopted California State History and Social Sciences Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

**NC 218A**
Biology A

*Prerequisite(s): Placement by a high school counselor.*

This course deals with the study of living things following the California state standards for Biology. It emphasizes modern technological and practical topics such as ecology, genetics and human structure and function. Hands-on laboratory experiences are essential to each topic. The course format will include activity-based investigations with hands-on activities and concepts, and applications compliant with the adopted California State Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

**NC 218B**
Biology B

*Prerequisite(s): Placement by a high school counselor.*

This course deals with the study of living things following the California state standards for Biology. It emphasizes modern technological and practical topics such as ecology, genetics and human structure and function. Hands-on laboratory experiences are essential to each topic. The course format will include activity-based investigations with hands-on activities and concepts, and applications compliant with the adopted California State Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

**NC 219A**
Physical Science A

*Prerequisite(s): Placement by a high school counselor.*

This course will examine the eight study topics in physical sciences, such as motion, forces, and the structure of matter, by using a quantitative mathematically based approach. Earth, the solar system, chemical reactions, the periodic equation, and density and buoyancy are additional topics that will be increased with mathematical rigor. The course format will include activity-based investigations with hands-on activities and concepts, and applications compliant with the adopted California State Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.
NC 219B  
**Physical Science B**  
Prerequisite(s): Placement by a high school counselor.  
This course will examine the eight study topics in physical sciences, such as motion, forces, and the structure of matter, by using a quantitative mathematically based approach. Earth, the solar system, chemical reactions, the periodic equation, and density and buoyancy are additional topics that will be increased with mathematical rigor. The course format will include activity-based investigations with hands-on activities and concepts, and applications compliant with the adopted California State Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 220A  
**Earth Science A**  
Prerequisite(s): Placement by a high school counselor.  
This course includes the study of astronomy, physics, chemistry, geology and meteorology. Special emphasis is placed on student experimentation and observation. This course format will include activity-based investigations with hands-on activities and concepts, and applications compliant with the adopted California State Science Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 220B  
**Earth Science B**  
Prerequisite(s): Placement by a high school counselor.  
This course includes the study of astronomy, physics, chemistry, geology and meteorology. Special emphasis is placed on student experimentation and observation. This course format will include activity-based investigations with hands-on activities and concepts, and applications compliant with the adopted California State History Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 221A  
**Chemistry A**  
Prerequisite(s): Placement by a high school counselor.  
Principles of chemistry are developed through laboratory observations of physical properties and chemical reactions. The language, formulas, and equations of chemistry are used in interpreting atomic structure and chemical bonding; periodic behavior of elements; rates and energies of chemical and nuclear change; equilibrium of gaseous systems, acids and bases, and oxidation-reduction as well as organic functional groups. This course format will include activity-based investigations with hands-on activities and concepts, and applications compliant with the adopted California State Science Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 221B  
**Chemistry B**  
Prerequisite(s): Placement by a high school counselor.  
Principles of chemistry are developed through laboratory observations of physical properties and chemical reactions. The language, formulas, and equations of chemistry are used in interpreting atomic structure and chemical bonding; periodic behavior of elements; rates and energies of chemical and nuclear change; equilibrium of gaseous systems, acids and bases, and oxidation-reduction as well as organic functional groups. This course format will include activity-based investigations with hands-on activities and concepts, and applications compliant with the adopted California State Science Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 224A  
**Geometry A**  
Prerequisite(s): Placement by a high school counselor.  
This integrated mathematics college preparatory course builds on the Algebra I course. Topics taught include sampling and reasoning, linear systems, matrices, geometry (coordinate geometry, triangles, circles and spheres), probability and binomials. The course format will involve application of mathematics to real world problems, hands-on classroom activities to investigate concepts and applications compliant with the recently adopted California State Mathematics Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 224B  
**Geometry B**  
Prerequisite(s): Placement by a high school counselor.  
This integrated mathematics college preparatory course builds on the Algebra I course. Topics taught include sampling and reasoning, linear systems, matrices, geometry (coordinate geometry, triangles, circles and spheres), probability and binomials. The course format will involve application of mathematics to real world problems, hands-on classroom activities to investigate concepts and applications compliant with the recently adopted California State Mathematics Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 225A  
**Pre-Calculus A**  
Prerequisite(s): Placement by a high school counselor.  
This course will further prepare students who have completed two years of high school algebra in such important areas as graphic techniques, algebraic and transcendental functions, and analytic geometry. Special interest has been given to the algebra of calculus. Many examples and exercises consist of algebra problems that arise in the study of calculus. This course will include daily homework, projects, and group activities done in the classroom setting, investigations and calculator work. The course format will include activity-based investigations with hands on activities and concepts and applications compliant with the adopted California State Mathematics Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 225B  
**Pre-Calculus B**  
Prerequisite(s): Placement by a high school counselor.  
This course will further prepare students who have completed two years of high school algebra in such important areas as graphic techniques, algebraic and transcendental functions, and analytic geometry. Special interest has been given to the algebra of calculus. Many examples and exercises consist of algebra problems that arise in the study of calculus.
This course will include daily homework, projects, and group activities done in the classroom setting, investigations and calculator work. The course format will include activity-based investigations with hands-on activities and concepts and applications compliant with the adopted California State Mathematics Standards to meet the minimum course requirements for high school graduation. 60 lecture hours.

NC 250
PLATO - Basic Reading, Writing and Mathematics
This course is designed for underprepared students, students looking to improve their basic skills prior to taking the assessment test, students seeking supplemental instruction to their credit courses, and students needing to improve their reading, writing and math skills in order to improve their employment opportunities. Students will work through a series of self-directed computer modules under the supervision of a faculty member. 72 lab hours.

NC 300
Academic ESL I
Prerequisite(s): Placement is based on a 30-minute interview with a non-credit counselor or recommendation of Academic ESL I instructor.
Academic ESL I is a course for non-credit students to prepare for credit ESL classes by practicing the four language skills - listening, speaking, reading, and writing. It is an introduction to credit course requirements that include attendance, homework, and assessment. The course includes pronunciation and conversation. 54 lecture hours.

NC 301
Academic ESL II
Prerequisite(s): Placement is based on a 30-minute interview with a non-credit counselor or recommendation of Academic ESL I instructor.
Academic ESL II facilitates the transition of the noncredit ESL student to credit ESL. The course focus is to improve the student's skill of listening to, speaking, reading, and writing the English language. The course includes pronunciation and conversation to build communication skills and fluency. 54 lecture hours.

NC 302
ESL A: Beginning
Prerequisite(s): Placement is based on a 30-minute interview with a non-credit counselor.
This course develops basic English skills through the practice of listening, speaking, reading, and writing. 108 lecture hours.

NC 303
ESL B: Intermediate ESL
Prerequisite(s): Placement is based on a 30-minute interview with a non-credit counselor or recommendation from ESL A instructor.
This course builds comprehension and communication of spoken English through the practice of the four skills - listening, speaking, reading, and writing. The course emphasizes building confidence in oral expression and refining pronunciation. 108 lecture hours.

NC 304
ESL Grammar - Beginning 1
ESL Grammar - Beginning 1 teaches introductory English grammar used in essential life functions. This course can be used to review or prepare for NC 305 - ESL Grammar - Beginning 1. Open entry/exit. 72 lecture hours.

NC 305
ESL Multiskills - Beginning 1
ESL Multiskills - Beginning 1 introduces low-beginning English language learners to basic language skills that are needed to live in American society. This course teaches performing basic life skills through reading, writing, speaking, and listening in American English. Open entry/exit. 192 lecture hours.

NC 306
ESL Multiskills - Beginning 2
ESL Multiskills - Beginning 2 expands on life and language skills learned in ESL Multiskills - Beginning 1 and is intended for high-beginning English language learners. This course teaches performing routine life skills and basic personal expression through reading, writing, speaking, and listening in American English. Open entry/exit. 192 lecture hours.

NC 307
ESL Multiskills - Intermediate 1
ESL Multiskills - Intermediate 1 expands on life and language skills learned in ESL Multiskills - Beginning 2 and is designed for low-intermediate English language learners. This course teaches basic skills needed to succeed in American society through reading, writing, speaking, and listening in American English. Open entry/exit. 192 lecture hours.

NC 308
ESL Multiskills - Intermediate 2
ESL Multiskills - Intermediate 2 is designed for English language learners at the high-intermediate level. This course introduces more complex language and life skills such as critical thinking, presenting arguments, and analyzing information through reading, writing, speaking, and listening in American English. Open entry/exit. 192 lecture hours.

NC 309
ESL Multiskills - Advanced
ESL Multiskills - Advanced is designed for English language learners at the low-advanced level. This course prepares students for college level course work, to find or improve a career, and to engage with native English speakers at a comparable level. Open entry/exit. 192 lecture hours.

NC 310
ESL: Grammar - Beginning 2
ESL: Grammar - Beginning 2 teaches low-beginning English language learners introductory English grammar used in essential life functions. This course can be used to review or prepare for NC 305 - ESL: Grammar - Beginning 1. Open entry/exit. 72 lecture hours.

NC 311
ESL: Grammar - Intermediate 1
Strongly Recommended: NC 305 or demonstrate a high beginning (Beginning 2) level of English fluency.
ESL: Grammar - Intermediate 1 teaches high-beginning English language learners rudimentary English grammar used in basic life functions. This course can be used to review or prepare for NC 306 - ESL Multiskills - Beginning 2. Open entry/exit. 72 lecture hours.

NC 312
ESL: Grammar - Intermediate 1
Strongly Recommended: NC 306 or demonstrate a low-intermediate (Intermediate 1) level English fluency.
ESL: Grammar - Intermediate 1 teaches low-intermediate English language learners English grammar used in routine life functions. This course can be used to review or prepare for NC 307 - ESL Multiskills - Intermediate 1. Open entry/exit. 72 lecture hours.
NC 313
ESL: Grammar - Intermediate 2
*Strongly Recommended: NC 307 or demonstrate a high intermediate (Intermediate 2) level of English fluency.*
ESL: Grammar - Intermediate 2 teaches high-intermediate English language learners English grammar used in more complex life functions. This course can be used to review or prepare for NC 308 - ESL Multiskills - Intermediate 2. Open entry/exit. 72 lecture hours.

NC 315
ESL and Computer Literacy 1: Introduction to Computers
*Strongly Recommended: NC 305 or demonstrate a low beginning level of English fluency.*
ESL and Computer Literacy 1: Introduction to Computers introduces basic language and computer skills to English language learners. Students will learn beginning English language and life skills taught through rudimentary computing, word processing, and Internet instruction. 64 lecture hours.

NC 316
ESL and Computer Literacy 2: Common Computer Applications
*Strongly Recommended: NC 315 or demonstrate low intermediate level of English fluency and an ability to use basic features of a computer.*
ESL and Computer Literacy 2: Common Computer Applications builds upon English language and technology skills used in ESL and Computer Literacy 1: Introduction to Computers. Designed for English language learners, students will acquire intermediate English language and life skills while learning common personal, educational, and professional computer skills. Topics and skills include Internet safety and common use, email, word processing, and presentation programs. 64 lecture hours.

NC 400
ESL and Citizenship
*Strongly Recommended: NC 305 or demonstrate a high beginning (Beginning 2) level of English fluency.*
ESL and Citizenship teaches high beginning English language skills through U.S. civics and preparation to complete the USCIS interview and exams. 54 lecture hours.

NC 501
Basic Life Skills for Developmentally Disabled Adults
This course is designed for developmentally disabled adults. It will address skills related to basic functions in everyday life and enhance skills for supported functions in the community. This course will address the different cognitive, physical, communication, and social needs of each student. The program allows interaction in a group setting, learning to interact appropriately at all function levels. 40 to 48 lecture hours.

NC 600
AED Training
This course provides the student with knowledge and skills necessary to recognize a victim in need of the Automated External Defibrillation (AED) device and use the AED. Must have current adult CPR certification. 2 lecture hours, 2 lab hours.

NC 601
Basic First Aid and CPR
This course prepares individuals to recognize and treat injuries and sudden illnesses. Meets the requirements for basic first aid and adult CPR in the workplace. 5 lecture hours, 3 lab hours.

NC 602
CPR for Professional Rescuer
This course provides the professional rescuer with the knowledge and skills to provide Basic Life Support (BLS) to a victim in an emergency. Follows the guidelines of both the American Red Cross and the American Heart Association. 4 lecture hours, 5 lab hours.

NC 603
Lifeguard Training
This course provides students with the skills and information to effectively prevent, recognize and respond to aquatic emergencies. Included are the evaluation and improvement of skills necessary for successful certification for the American Red Cross Lifesaving and the American Red Cross CPR for the Professional cards. 12 lecture hours, 24 lab hours.

NC 607
Skilled Nursing Facility Activity Leader
A course designed to meet minimum state certification requirements for activity leaders in skilled nursing care facilities. This course will also be helpful to anyone involved with care in an extended care facility. 90 lecture hours.

NC 610
Advanced Skin Care in Electro-Therapy
*Must be a State Board of Barbering and Cosmetology licensed esthetician.*
This course is an advanced program for the licensed esthetician. The course provides professional knowledge and skills needed for a successful career in esthetics. The program includes, but is not limited to, training in microdermabrasion, Light Emitting Diode (LED), and micro current treatments, also, the reaction, response and effects of electro-therapy. Students will be required to purchase a kit for this course. 10 lecture hours, 30 lab hours.

NC 611
Advanced Skin Care in Chemical Exfoliants
*Must be a licensed esthetician.*
Advanced skin care program for the licensed esthetician. The course provides understanding and knowledge of professional skin care products, which includes, but not limited to, the training and education of various types of chemical exfoliants and masks; the reaction, response, and effects of the skin, and the customized blending and applications of professional products. 10 lecture hours, 30 lab hours.

NC 612
Advanced Makeup
*Must be a licensed esthetician or licensed cosmetologist.*
Advanced makeup program for the licensed esthetician/cosmetologist. The course provides advanced knowledge and skills needed for a professional career in makeup artistry. The program includes the study of facial features, customized makeup application, including, but not limited to, theatrical, camouflage, air brush, bridal and fantasy. 10 lecture hours, 30 lab hours.
NC 613
Advanced Skin Care in Aromatherapy

Must be a licensed esthetician.
This course is an advanced skin care program for the licensed esthetician. This course provides the knowledge and skill needed for a professional career in esthetics. The program includes the study of therapeutic essential oils, botanicals, including, but not limited to, blending, application, effects, reactions, and holistic views. 10 lecture hours, 30 lab hours.

NC 620
Information Technology CompTIA Certification Review

This course will provide students with the opportunity to review practice exams and review material prior to taking industry CompTIA certification exams. 30 lecture hours.

NC 626
Floral Design I
Application of the principles in the art of floral design as to form, style, and composition. Designing of floral arrangements, wreaths, sprays, baskets, bouquets, funeral and wedding flowers, corsages and boutonnieres are included in the laboratory setting. 16 lecture hours, 40 lab hours.

NC 632
Air Conditioning I

Strongly Recommended: NC 632 or NC 638
This course covers the techniques to locate, identify, and correct the problems that occur in heating, air conditioning, and refrigeration systems, both domestic and commercial. 36 lecture hours, 18 lab hours.

NC 634
Air Conditioning II

Strongly Recommended: NC 632.
A course in the fundamentals of air conditioning, including ventilation, evaporation, cycles, charging, air distribution, control, electrical circuiting, venting, duct systems and diffusions. Emphasis on equipment selection, balance, adjustment, maintenance and service. Prepares students for EPA examination. 36 lecture hours, 18 lab hours.

NC 636
Heating - Electrical and Gas

Strongly Recommended: NC 632 or industry experience.
This course includes absorption systems, heating and humidifying, also heat load and heat pump systems, systems controls, boilers, and instruments. 36 lecture hours, 18 lab hours.

NC 638
Electricity for Heating and Air Conditioning

Strongly Recommended: NC 632 or industry experience. Also, ENGL 099 if required by English placement exam or if required by English level.
A course in electricity covering the functions and operations of electric motors and controls used in mechanical systems. 36 lecture hours, 18 lab hours.

NC 640
HVAC Control Systems

Strongly Recommended: NC 632.
An explanation of HVAC control system theory, control hardware, and both simple and complex control systems, supervisory controls and the use of computers in control systems. 36 lecture hours, 18 lab hours.

NC 642
Trouble Shooting Heating and Air Conditioning

Strongly Recommended: NC 632.
This course covers the techniques to locate, identify, and correct the problems that occur in heating, air conditioning, and refrigeration systems, both domestic and commercial. 36 lecture hours, 18 lab hours.

NC 637
Therapeutic Benefits of Music

Topics will introduce students to understanding the potential of music and its role in the healing process. Strategies for using music with patients and in real situations will be explored. 26 lecture hours.

NC 638
Creative Writing for Older Adults

Creative non-fiction written expression is explored through the development of memoirs, personal essays, profiles, and nature articles. This course provides older adults an opportunity to recall, organize, and share their life experiences about events, family, health, or work. 30 lecture hours.

NC 640
Exploring Current Events and Recent Trends

This course is designed for the active 55+ learner. This course stimulates discussion of current events and trends. Sources of news including print and electronic media will be featured. Featured will be discussion on the impact of events on the student or the world around you. 36 to 54 lecture hours.

NC 703
Mastering Every Day Computer Technologies and Mobile Devices

Mobile electronics, social networking, personal computers, internet use and various software applications beneficial to the active 55+ learner will be covered. The course is designed for those with minimal to intermediate computer technology skills. 20 lecture hours, 60 lab hours.

NC 712
Therapeutic Benefits of Music

This course is designed for older adults with limited physical and/or mental abilities. Students will learn, experience and express music by singing together, playing instruments, listening to music, and socializing together by creating rhythms, and playing games that will teach musical concepts. 16 lab hours.

NC 717
Overall Health and Wellness for the Older Adult

This course focuses on the overall wellness and health of the active 55+ learner, including physical and mental health. Each program element is planned to educate individuals to their highest potential level of functioning. 26 lecture hours, 10 lab hours.

NC 718
Health Fitness and Nutrition for Older Adults

This class is designed to teach older adults how exercise and proper nutrition lead to good health as we get older. The class will also teach the physiological changes that occur with aging, as well as activities that prevent falls. 32 lecture hours, 8 lab hours.
NC 860
College Life
The purpose of this course is to learn and adopt methods that promote success in college and in life. This course is designed to assist new or returning students in developing practical study skills to build a successful college experience. Students will acquire skills in goal setting and exploration, time management, test taking, note taking and study skills, and gain an understanding of services offered on our campus. 18 lecture hours.

NC 910
Traffic Violator School
This course provides 400 minutes of classroom education expressly devoted to traffic safety. The course provides an understanding of motor vehicle operation essential to violation and accident-free driving, driver responsibility, and licensing regulations. This course is approved by the Department of Motor Vehicles and satisfies all requirements for court mandated traffic violator school. 8 lecture hours.

NC 930
Understanding Drug/Alcohol Abuse and Treatments
This course is designed to create an understanding of drug and alcohol abuse from a sociological and physiological perspective. It is not a replacement for therapy or twelve step meetings. The intended audience will be individuals desiring to learn about the various aspects of recovery and/or those affected by or wanting to learn more about the recovery process. Topics will include: treatments, detox processes, support groups, and post-recovery issues. 36 lecture hours.

Credit Courses

Accounting
(Business Department)

Accounting is the systematic recording, analysis, explanation and interpretation of the financial transactions of a business. Topics covered in the accounting courses offered at Citrus College include basic accounting, financial and managerial accounting principles, income tax accounting, and accounting general ledger software. Accounting courses satisfy general education requirements for an associate degree, an associate degree in liberal arts with an emphasis in business technology, and lower division transfer. ACCT 101 Financial Accounting and ACCT 102 Managerial Accounting are undergraduate requirements for the bachelor's in arts degree in business. Students may earn a certificate of achievement in accounting. The Honors Program includes one course: ACCT 101H Financial Accounting - Honors.

Accounting Courses

ACCT 100
Accounting
4 Units
Grade or Pass/No Pass

Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The objective of this course is to provide an elementary accounting background for business students. Course content includes development of the accounts through journalizing, cash journal entries, sales and purchases, posting, trial balance, work sheet and resultant financial statements. 72 lecture hours.

ACCT 101
Financial Accounting
4 Units
Grade or Pass/No Pass

Strongly Recommended: ACCT 100 or high school bookkeeping, or related job experience.
The objectives of this course are to learn the content and meaning of the basic financial statements and their impact on the decision-making process in the business environment. This course will provide a broad overview of the importance of accounting in the business process as well as introduce the student to the double entry system of accounting, how to record, process and report on the business transactions and events and to consider the operating cycles in business. Topical areas covered in this class will include cash, accounts, inventory, property, plant and equipment, intangible assets, current liabilities and stockholder equity. The importance of internal controls will be reviewed and the components of the income statement will also be discussed. 72 lecture hours. CSU; UC

Strongly Recommended: ACCT 100 or high school bookkeeping, or related job experience.

Examines the fundamental concepts of financial accounting such as: the basic financial statements: the double entry system of accounting; financial analysis and internal controls. Analyze financial data to evaluate performance and formulate appropriate course of action in the business environment. Students are expected to work and participate at an honors level which includes advanced critical thinking skills, more in depth analysis of financial statements and presentation skills as demonstrated by group presentations, class participation and case study analysis. 72 lecture hours. CSU; UC

ACCT 102
Managerial Accounting
4 Units
Grade or Pass/No Pass
Prerequisite(s): ACCT 101.
This is the study of how managers use accounting information in decision-making, planning, directing operations and controlling. Focuses on cost terms and concepts, cost behavior, cost structure and cost-volume-profit analysis. Includes issues relating to cost systems, cost control, profit planning, and performance analysis in manufacturing and service environments. 72 lecture hours. CSU; UC

ACCT 110
Income Tax Accounting
4 Units
Grade or Pass/No Pass
A course designed to study the federal income tax process, federal income tax laws that apply to individuals, and the application of tax principles to specific problems. Topics include gross income and exclusions, business deductions and itemized deductions, losses, certain tax credits and property transactions. Study is also made of California income tax laws in those areas which differ from federal tax law. 72 lecture hours. CSU
ACCT 115  
QuickBooks  
2 Units  
Grade or Pass/ No Pass  
Instruction in QuickBooks, a computerized accounting system for business. Applies basic accounting concepts. 36 lecture hours.

**Administration of Justice**  
(behavioral Sciences Department)

Administration of Justice examines the structure, function, laws, procedures, and decision-making processes of agencies that deal with crime management. Administration of Justice courses provide both the theoretical background and practical experience necessary for employment and promotion in the criminal justice system and related fields, such as community responders and volunteers, and for transfer to four-year institutions. Courses in Administration of Justice satisfy general education requirements for an associate degree and transfer. In addition, students may also earn a certificate of achievement in Administration of Justice.

**Administration of Justice Courses**

**AJ 101**  
Introduction to the Administration of Justice  
3 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

This course introduces students to the characteristics of the criminal justice system in the United States. Focus is placed on examining crime measurement, theoretical explanations of crime, responses to crime, components of the system, and current challenges to the system. The course examines the evolution of the principles and approaches utilized by the justice system and the evolving forces which have shaped these principles and approaches. Although justice structure and process is examined in a cross cultural context, emphasis is placed on the US justice system, particularly the structure and function of US police, courts, and corrections. Students are introduced to the origins and development of criminal law, legal process, and sentencing and incarceration policies. 54 lecture hours. CSU; UC

**AJ 102**  
Concepts of Criminal Law  
3 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

The philosophy and historical development of law, including the provisions of the U.S. Constitution. The concepts and definitions necessary to relate court decisions to statutes including those specific to correctional institutions. 54 lecture hours. CSU

**AJ 103**  
Legal Aspects of Evidence  
3 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

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; judicial decisions interpreting individual rights and case studies. 54 lecture hours. CSU

**AJ 105**  
Criminal Investigation  
3 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

This course provides an examination of investigation and the techniques of crime scene recording and search. The collection and preservation of physical evidence, modus operandi processes, sources of information, interviewing and interrogation, follow-up, and case preparation. 54 lecture hours. CSU

**AJ 106**  
Patrol Procedures  
3 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

This course is a study of the responsibilities, techniques, and methods of police patrol. This includes the areas of patrol distribution, selective enforcement, pull-over and approach methods, emergency pursuit driving, search of suspects and buildings, field interrogations, and procedures in handling “police-called-for” services. 54 lecture hours. CSU

**AJ 107**  
Traffic Control  
3 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

A study covering traffic law enforcement regulation and control, fundamentals of traffic accident investigation, and the California Vehicle Code. 54 lecture hours. CSU

**AJ 108**  
Juvenile Procedures  
3 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

This course is an examination of the origin, development, and organization of the Juvenile Justice System as it evolved in the American Justice System. The course explores the theories that focus on Juvenile Law, courts and processes, and the constitutional protections extended to juveniles administered in the American Justice System. 54 lecture hours. CSU

**AJ 109**  
Criminal Procedures  
3 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

This course provides an examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal utilizing statutory law and state constitutional law precedents. 54 lecture hours. CSU

**AJ 111**  
Narcotics and Vice Control  
3 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

History, identification, and effects of narcotics. Current narcotic and vice problems. Special emphasis on laws affecting the control of narcotics and vice. 54 lecture hours. CSU
### AJ 121
**Death Investigation**
- **3 Units**
- **Grade Only**
- **Prerequisite(s):** AJ 101. 
- **Strongly Recommended:** ENGL 099 if required by English placement exam or if required by English level.

This multimedia examination of the medico-legal investigation of death focuses on natural and accidental deaths, suicides, and homicides. Special attention is given to deaths by gunshot wounds, burns, sharp force injuries, blunt force trauma, and multi-casualty incidents. 54 lecture hours. CSU

### AJ 123
**Writing for Criminal Justice Professionals**
- **3 Units**
- **Grade Only**
- **Strongly Recommended:** ENGL 099 if required by English placement exam or if required by English level.

Techniques for communicating facts, information, and ideas effectively in a simple, clear, and logical manner in various types of criminal justice reports: letters, memoranda, directives, and administrative reports. Emphasis on criminal justice terminology, use of English, and organization of information. Students will practice note taking and report writing as well as presentation of testimony in court. 54 lecture hours. CSU

### AJ 130
**Introduction to Probation and Parole**
- **3 Units**
- **Grade Only**
- **Strongly Recommended:** ENGL 099 if required by English placement exam or if required by English level.

This course provides a history and critical analysis of punishment, the various types of punishment, alternatives to punishment, and the impact of punishment on the Criminal Justice System, corrections, a critical examination of the types of correctional institutions and the clients housed in each institution, and an examination of contemporary correctional issues. 54 lecture hours. CSU

### AJ 131
**Introduction to Corrections**
- **3 Units**
- **Grade Only**
- **Strongly Recommended:** ENGL 099 if required by English placement exam or if required by English level.

The practical aspects of gathering, organizing, and preparing written reports for correctional activities on local, state, and federal levels. Emphasis on techniques of communicating facts and ideas effectively in the criminal justice system context. Practical experience in note taking, report writing, and testifying in court. 54 lecture hours. CSU

### AJ 133
**Correctional Writing**
- **3 Units**
- **Grade Only**
- **Strongly Recommended:** ENGL 099 if required by English placement exam or if required by English level.

Supervision of inmates in the local, state, and federal correctional institutions. Emphasis on the role of the offender and the correctional worker on a continuum from institutional living through crisis situations. Included are inmate subculture, violence and effects of crowding along with coping techniques for correctional officers. Causes and effects of abusive tactics. 54 lecture hours. CSU

### AJ 134
**Correctional Interviewing and Counseling**
- **3 Units**
- **Grade Only**
- **Strongly Recommended:** ENGL 099 if required by English placement exam or if required by English level.

The techniques in counseling and interviewing available to practitioners in Corrections. The student will learn the use of appropriate techniques and theories in confidence building which may be used by the correctional employee in client interviews and counseling. 54 lecture hours. CSU

### AJ 137
**Legal Aspects of Corrections**
- **3 Units**
- **Grade Only**
- **Strongly Recommended:** ENGL 099 if required by English placement exam or if required by English level.

The historical legal framework, concepts, and precedents that guide correctional practice. Course material will broaden the individual’s perspective of the corrections environment, the civil rights of prisoners, and responsibilities and liabilities of corrections officials. 54 lecture hours. CSU

### AJ 135
**Control and Supervision in Corrections**
- **3 Units**
- **Grade Only**
- **Strongly Recommended:** ENGL 099 if required by English placement exam or if required by English level.

Introduction to Forensics
- **3 Units**
- **Grade Only**
- **Strongly Recommended:** ENGL 099 if required by English placement exam or if required by English level.

This course provides an introduction to the role of forensics in criminal investigations. It examines the methods utilized in the forensic analysis of crime scenes, pattern evidence, instruments, firearms, questioned documents and controlled substances. 54 lecture hours. CSU; UC (pending)
Anthropology
(Behavioral Sciences Department)

Anthropology is the holistic study of human behavior from biological, historical, cultural, and social perspectives. Anthropology analyzes the place of humans in the natural world and explores cultural assumptions across the globe. Anthropology courses satisfy general education requirements for an associate degree, an associate degree in liberal arts with an emphasis in social and behavioral sciences, and lower division transfer. The Honors Program includes three anthropology courses: ANTH 210H Introduction to Cultural Anthropology – Honors, ANTH 216H Sex and Gender in a Cross Cultural Perspective – Honors and ANTH 218H Honors Presentation Seminar.

Anthropology Courses

ANTH 210
Introduction to Cultural Anthropology
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Students will critically examine various societies around the world using basic cultural concepts such as language, food production, economics, kinship, art, religion, and magic. The class is designed to foster a pluralistic view of the world, teach introductory anthropological concepts, and strengthen critical thinking skills. College level reading is strongly advised for success in the course. 54 lecture hours. CSU; UC

ANTH 212
Introduction to Physical Anthropology
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An introductory study of the biological origin of humans. The course will emphasize the biology of humans, human evolution, taxonomy, pre-human fossil identification, and adaptation to the environment. CONCURRENT ENROLLMENT WITH ANTH 212L IS REQUIRED TO RECEIVE LAB SCIENCE CREDIT. College level reading is highly recommended for success in the course. 54 lecture hours. CSU; UC

ANTH 212L
Introduction to Physical Anthropology Lab
1 Unit
Grade Only
Co-Requisite(s): ANTH 212.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course is the lab component for Introduction to Physical Anthropology 212. In the lab students will have an expanded opportunity to work with anatomy, skeletal identification, taxonomy, and evolutionary trends. Concurrent enrollment with ANTH 212 is required. College level reading is highly recommended for success in the course. 54 lab hours. CSU; UC

ANTH 210H
Introduction to Cultural Anthropology - Honors
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Students will critically examine various societies around the world using basing cultural concepts such as marriage, family, art, food production, political organization, and religion. The class is designed to foster a pluralistic view of the world, teach introductory anthropological concepts, and strengthen critical thinking. College level reading is strongly advised for success in the course. Students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of anthropological readings, presentation and leadership skills demonstrated through class participation/presentation, and service learning in the community. 54 lecture hours. CSU; UC

ANTH 212H
Introduction to Physical Anthropology - Honors
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course is the lab component for Introduction to Physical Anthropology 212. In the lab students will have an expanded opportunity to work with anatomy, skeletal identification, taxonomy, and evolutionary trends. Concurrent enrollment with ANTH 212 is required. College level reading is highly recommended for success in the course. 54 lab hours. CSU; UC

ANTH 216
Sex and Gender in a Cross Cultural Perspective
3 Units
Grade Only
Strongly Recommended: ANTH 210 or SOC 201.
A cross-cultural look at different groups' ideas of sex and gender. The course will focus on attitudes, beliefs, and socialization techniques. Theories behind the formation of gender will be explored. Both Anthropological and Sociological terms and concepts will be utilized for a cross disciplinary approach. This is primarily a seminar style course, college level reading and participation is necessary for successful completion. 54 lecture hours. CSU; UC

ANTH 216H
Sex and Gender in a Cross Cultural Perspective - Honors
3 Units
Grade Only
Strongly Recommended: ANTH 210 or SOC 201. Member of the Citrus College Honors Program in good standing, or recommendation from an Honors Instructor. Also, ENGL 099 if required by English placement exam or if required by English level.
A cross-cultural look at different groups' ideas of sex and gender. The course will focus on attitudes, beliefs, and socialization techniques. Theories behind the formation of gender will be explored. Both Anthropological and Sociological terms and concepts will be utilized for a cross disciplinary approach. College level reading is strongly advised for success in the course. Students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of readings, presentation, and leadership skills demonstrated through class participation/presentation. 54 lecture hours. CSU; UC

ANTH 218H
Honors Presentation Seminar
1 Unit
Grade Only
Strongly Recommended: Member of the Citrus College Honors Program in good standing, or recommendation from an honors instructor.
A course designed to help honors students further their research skills, professional presentation skills, and to promote transfer. Research topics from previous honors classes will be enhanced with further research and presented in a professional manner in class. Materials will also be submitted to local honors conferences for presentation to peers. Honors students should be in good standing and must be recommended by an honors professor. 18 lecture hours. CSU
Role of ritual in social life, the use of specialists, and processes of cultural change. 54 lecture hours. CSU; UC (pending)

Architecture
(Architecture Department)

The Architecture Program concentrates on the built environment. The curriculum visualizes architecture as a cultural, creative, and technical practice and discipline with direct social impact. A balance of architectural, art and technical design courses provides students with a diverse foundation of knowledge in the fields of architecture, landscape architecture, urban planning, CAD, and CGI which prepares them for transfer and/or certificates for careers in a wide range of fields.

Architecture Courses

ARCH 100
Introduction to Architecture
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

An introductory course for students interested in exploring the fields of architecture and architectural technology and developing a working knowledge of planning and design. 54 lecture hours. CSU

ARCH 102
Visual Communication
2.5 Units
Grade Only

Strongly Recommended: DRAF 101 and ARCH 100. Also, ENGL 099 if required by English placement exam or if required by English level.

A course for students to develop individual student portfolios. Development of portfolios will include architectural Computer Generated Imagery (CGI), multimedia, other design technology techniques, free hand drawing, 2D - 3D art and rendering. Students will develop knowledge of how to interview in various design professions. 36 lecture hours, 54 lab hours. CSU

ARCH 200
Portfolio Preparation
3 Units
Grade Only

Strongly Recommended: ARCH 110 and ARCH 111 or ART 120. Also, ENGL 099 if required by English placement exam or if required by English level.

Strongly Recommended: ART 101.

Visual communication of axonometric, oblique, and one, and two-point perspective drawings. Natural and man-made forms are analyzed. Color and texture of form are studied as they are revealed by light, shade, and shadow. Students’ perceptions of subject matter are translated into convincing visual expressions by learning the graphic skills and the use of a variety of media. Students sketch, draw, and render projects. 36 lecture hours, 36 lab hours. CSU

ARCH 220
Introduction to Archaeology
3 Units
Grade Only
An introductory study of the science of archaeology. The course will emphasize the evolution of human material culture, the laws and theories governing the science of archaeology, archaeological processes, and the realities of archaeology versus popular culture definitions. College level reading is strongly recommended for success in the course. 54 lecture hours. CSU; UC

ARCH 222
Introduction to Linguistic Anthropology
3 Units
Grade Only

Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

This introductory course serves as a foundation for understanding language from an anthropological perspective, addressing such core questions as how, what, when, where, why and with whom we communicate. This course surveys three core areas in linguistic anthropology—structural linguistics: phonetics, phonology, morphology and syntax, as well as the biocultural basis of language; historical linguistics: origins and evolution/change, dialects, and language families; and sociocultural linguistics: language acquisition in cultural context, emphasizing the relationship between language and culture, and issues of language conservation and loss. 54 lecture hours. CSU; UC (pending)

ANTH 220
Anthropology of Religion, Magic, and Witchcraft
3 Units
Grade or Pass/No Pass

Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

This introductory course examines the forms and functions of religion cross-culturally and the manners in which anthropology investigates religious beliefs and practices. This course emphasizes applying cultural relativism to the study of topics such as mythology, magic, witchcraft, altered states of consciousness, supernatural beings, souls and ghosts, and the question of cults. Connections between religious life and general patterns of human behavior are explored, including the
**ARCH 201**  
Architectural Design I  
3 Units  
Grade Only  
Prerequisite(s): ARCH 110.  
Explores the tools required to begin the formulation of design concepts and structure. This exploration is supported by discussion, observation, and hands-on experimentation, including research of precedents. The goal is to develop a process of design that draws from many sources in order to solidify a concept. Craftsmanship, clarity, and eloquence are highly valued in the construction of design submittals and in written and verbal presentations. A portfolio of the assigned design exercises completes the course requirements. 36 lecture hours, 72 lab hours. CSU; UC

**ARCH 202**  
Architectural Design II  
3 Units  
Grade Only  
Prerequisite(s): ARCH 110.  
Strongly Recommended: DRAF 101.  
Designing and detailing business and manufacturing buildings. Code requirements, special materials, and functional requirements are addressed. Students analyze and incorporate environmental site factors, simple program requirements, and basic knowledge of building materials. The design process of sustainability, climate and lighting issues are incorporated as integral components of an architectural design solution. A portfolio of the assigned design exercises completes the course requirements. 36 lecture hours, 72 lab hours. CSU; UC

**ARCH 250**  
History of Architecture: Prehistory to Mannerism.  
3 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
Exploring the tools required to begin the formulation of design concepts and structure. This exploration is supported by discussion, observation, and hands-on experimentation, including research of precedents. The goal is to develop a process of design that draws from many sources in order to solidify a concept. Craftsmanship, clarity, and eloquence are highly valued in the construction of design submittals and in written and verbal presentations. A portfolio of the assigned design exercises completes the course requirements. 36 lecture hours, 72 lab hours. CSU; UC

**ARCH 251**  
History of Architecture: Baroque to the Present Day  
3 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
History of Architecture: Baroque to the Present Day. Exploration of the role of a built environment in social, cultural, and political life: how buildings are constructed, what they mean, and the effects they have on the world, and ways they imagine new futures and shape private and public life. This course spotlights a series of contemporary case studies for what each reveals about new possibilities for shaping the world in which we live, with an emphasis on how architecture extends to cities, roads, books, and films. Consideration is given to historical context and cultural genealogy of particular buildings and environments, material and economic conditions of building, and more. 54 lecture hours. CSU; UC

**Art (Fine Arts Department)**

Art includes the study of art history and appreciation as well as theoretical and skills-based courses in traditional artistic expression and new-genre digital arts. Areas of study include:

- Fine arts, which focus on painting, drawing, design, and ceramics; Drawing and painting often lead to transfer or become fundamental training necessary for commercial art vocational pathways. Ceramics is collaborating with tile companies to develop a custom tile design and manufacturing program;
- Photography, which prepares students for careers as commercial advertising photographers, photo journalists, portrait and wedding photographers, and photographic laboratory technicians; and
- Commercial art which prepares students for entry-level positions as graphic, digital, or web designers with an emphasis on the use of a computer as a tool to implement the basic principles of design composition, layout, and typography.

Courses in art satisfy general education requirements for the associate degree, an associate degree in liberal arts with an emphasis in arts and humanities, and lower division transfer. Students may earn certificates of achievement in photography, ceramics, or digital and web design.

**Important Information about Art Course Descriptions**

Most art courses are now grouped together as course “families.” Students are allowed to take only four courses from each “family.” All grades received, including F, WD, and NC grades, count towards the four courses.

The Art course families are listed as follows:

**Fundamentals**  
ART 110 - Introduction to Visual Arts  
ART 111 - Beginning Drawing  
ART 130 - Beginning Painting  
ART 140 - Beginning Ceramics  
ART 143 - Beginning Handbuilding

**Ceramics**  
ART 141 - Intermediate Ceramics  
ART 142 - Experimental Ceramics  
ART 240 - Advanced Ceramics I  
ART 241 - Advanced Ceramics II

**Design**  
ART 120 - Two-Dimensional Design  
ART 121 - Three-Dimensional Design  
ART 145 - Design and Decoration - Ceramics  
ART 149 - Studio Problems in Ceramics

**Sculpture**  
ART 180 - Beginning Clay Sculpture  
ART 181 - Intermediate Clay Sculpture  
ART 182 - Advanced Clay Sculpture I  
ART 183 - Advanced Clay Sculpture II  
ART 184 - Sculpture and Metalwork

**Drawing Family**  
ART 112 - Intermediate Drawing  
ART 115 - Figure Drawing I  
ART 116 - Figure Drawing II
Painting Family
ART 131 - Intermediate Painting
ART 131A - Intermediate: Urban Art
ART 230 - Advanced Painting

Graphic Design
ART 150 - Computer Art Basics
ART 158 - Commercial Graphic Design
ART 159 - Introduction to Typography
ART 189 - Art Portfolio and Resume Production

Digital Art
ART 153 - Digital Media Production I
ART 156 - Digital Media Production II
ART 157 - Web Design I
ART 158 - Web Design II
ART 159 - Animation I

Advanced Digital Art
ART 163 - Computer Graphics II
ART 253 - Digital Media Production II
ART 256 - Web Design II
ART 258 - Animation II

Commercial Ceramics
ART 146 - Ceramics: Tile and Mosaic

Art Courses

ART 100A
Survey of Western Art from Prehistory through the Middle Ages
3 Units
Grade Only
This course provides an overview of western art and architecture from prehistory through the medieval period. 54 lecture hours. CSU; UC

ART 100B
Survey of Western Art from Renaissance to Contemporary
3 Units
Grade Only
This course provides an overview of art and architecture from the Renaissance to the Contemporary period. 54 lecture hours. CSU; UC

ART 101
Art History and Appreciation - Ancient
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course covers the history of western art from its prehistoric beginnings to the fall of Rome. Some of the course content is concerned with the appreciation of art as well as its history. 54 lecture hours. CSU; UC

ART 102
Art History and Appreciation - Medieval
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course covers the history of western art from the fall of Rome to the beginning of the Renaissance. Some of the course content is concerned with the fundamentals of art appreciation as well as its history. 54 lecture hours. CSU; UC

ART 103
Art History and Appreciation - Renaissance to Rococo
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course covers the history of western art from the early Renaissance through the Rococo period. This course is concerned with both the history of art and the fundamentals of the appreciation of art. 54 lecture hours. CSU; UC

ART 104
Art History and Appreciation - 19th Century Art
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course covers the history and fundamental appreciation of western art from the French Revolution to c. 1900 A.D. 54 lecture hours. CSU; UC

ART 105
Art History and Appreciation - Early 20th Century Art
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course covers the history of western art from the late 19th century to mid 20th century. The course is concerned with the fundamentals of art appreciation as well as the history of our times. 54 lecture hours. CSU; UC

ART 106
Art History and Appreciation - 20th Century Art
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course covers the history of western art from the late 20th century to the contemporary period. 54 lecture hours. CSU; UC

ART 110
Introduction to the Visual Arts
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A course designed to further the general education of all students. Students will be introduced to the visual arts through aesthetics, critique, history, and by creating art using various mediums. 36 lecture hours, 72 lab hours. CSU; UC

ART 111
Beginning Drawing
3 Units
Grade Only
A basic course in drawing and composition to develop a student's ability to perceive and define shape, mass, contour, volume, space and light, using a variety of media and subject matter. This course is required of all art majors. 36 lecture hours, 72 lab hours. CSU; UC

ART 112
Intermediate Drawing
3 Units
Grade Only
Prerequisite(s): ART 111.
Emphasis is on conceptual art through advanced, imaginative and subjective approaches to drawing. Includes experimental use of media, theoretical and conceptual approaches to content, and examination of aesthetics within contemporary drawing concerns. Required of all art majors. 36 lecture hours, 72 lab hours. CSU; UC

ART 115
Figure Drawing I
3 Units
Grade or Pass/ No Pass
An introduction to the structural understanding of the human form, based on study of the figure in history, theory, and aesthetics and its practical application to drawing from the live model. 36 lecture hours, 72 lab hours. CSU; UC

ART 116
Figure Drawing II
3 Units
Grade Only
Prerequisite(s): ART 115.
A continuation of the structural study of the figure with emphasis on the exploration of expressive concepts, media, and techniques. Included will be reading for historical, theoretical, and aesthetic application to class material. 36 lecture hours, 72 lab hours. CSU; UC
ART 120
Two-Dimensional Design
3 Units
Grade or Pass/No Pass
An investigation of the elements of art: especially color and composition. Emphasis is placed on individual solutions to visual problems by observing the principles of design. Required of all art majors. 36 lecture hours, 72 lab hours. CSU; UC

ART 121
Three-Dimensional Design
3 Units
Grade or Pass/No Pass
Experiments involving the design elements and principles in the creation of three-dimensional form and spatial relationships. Critical evaluation of designs for aesthetic, technical, and theoretical concerns. Required of all art majors. 36 lecture hours, 72 lab hours. CSU; UC

ART 130
Beginning Painting
3 Units
Grade Only
An objective approach to form, space, and color concepts using oil or acrylic paint. Includes critical examination of paintings for technical and aesthetic concerns, content, and historical-cultural influences. 36 lecture hours, 72 lab hours. CSU; UC

ART 131
Intermediate Painting
3 Units
Grade Only
Prerequisite(s): ART 130.
Development of expressive painting concepts and techniques in oil and acrylic, with emphasis on historical, theoretical, and cultural meanings. 36 lecture hours, 72 lab hours. CSU; UC

ART 131A
Intermediate Painting: Urban Art
3 Units
Grade or Pass/No Pass
Prerequisite(s): ART 130.
Development of expressive painting concepts and techniques in traditional oil and acrylic paint as well as Urban Art specific tools: aerosol paint, stencils, markers, stickers. Emphasis on historical, theoretical and cultural meaning of Urban Art in the discussion and the creation of art. 36 lecture hours, 72 lab hours. CSU

ART 140
Beginning Ceramics
3 Units
Grade Only
This course explores basic techniques of pottery making. It includes hand building and throwing on the potter's wheel. Emphasis is on understanding the qualities of clay, appreciation of basic pottery forms, simple glazing techniques and the development of personal expression. 36 lecture hours, 72 lab hours. CSU; UC

ART 141
Intermediate Ceramics
3 Units
Grade Only
Prerequisite(s): ART 140.
This course further develops basic pottery skills by introducing new forms on the potter's wheel and additional decorating and glazing techniques. 36 lecture hours, 72 lab hours. CSU; UC

ART 142
Experimental Ceramics
3 Units
Grade Only
A course for beginning to advanced students to explore the creative possibilities of clay in a workshop setting. Individual projects using hand building or the potter's wheel will be used to create sculpture or pottery. 36 lecture hours, 72 lab hours. CSU; UC

ART 143
Ceramic Handbuilding
3 Units
Grade Only
This course is an introduction to ceramic handbuilding techniques and processes. Traditional methods of forming, joinery and construction are introduced. 36 lecture hours, 72 lab hours. CSU; UC

ART 144
Ceramics: Tile and Mosaic
3 Units
Grade Only
This course will explore techniques in creating and glazing handmade tile, from Cuenca to Cuerda Seca. The tile industry, cutting, grouting and installation will also be explored. Mosaic techniques will be a secondary focus. 36 lecture hours, 72 lab hours. CSU; UC

ART 149
Studio Problems in Ceramics
1 Unit
Grade Only
Prerequisite(s): ART 141.
Independent study involving intermediate or advanced projects in studio ceramics. Materials used include clay, engobes, stain and glaze. Firing techniques, studio practices, display and exhibition design is included. 18 lecture hours, 18 lab hours. CSU; UC

ART 150
Computer Art Basics
3 Units
Grade Only
This introductory computer art course is designed for people interested in learning the basics of computer art. Adobe Illustrator and Photoshop are utilized to create computer graphics and Microsoft Word is used for word processing. Operating system, printers, scanners, and digital cameras are also explored in this course. 36 lecture hours, 72 lab hours. CSU; UC (pending)

ART 152
Introduction to Art: Mobile Digital Devices
3 Units
Grade Only
Using the iPad and iPhone as creative tools for original image making. This course is designed to further the education of all students by introducing them to the visual arts through a survey of traditional and contemporary drawing, painting, photographic, videographic and graphic design techniques using computer technologies: mobile devices, apps, scanners and printers. Students will investigate the pictorial elements of line, shape, space, color, and texture as well as technology, concepts, and practices of digital art production. 36 lecture hours, 72 lab hours. CSU
ART 153
Digital Media Production I
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ART 150 or Portfolio Review.
An overview of multimedia production and associated technology. The course will use Illustrator, Photoshop and other software in the development of graphic presentations for use in business and communications. Students will be provided an opportunity to produce computer graphics merging images and text for large format printing. 36 lecture hours, 72 lab hours. CSU

ART 158
Commercial Graphic Design
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ART 111, ART 120 and ART 150.
Students will examine graphic design in advertising, corporate identity, video, billboards and print media. Utilizing Illustrator, Photoshop and Quark computer software. Students will apply principles of color theory, layout and typography to their design concepts preparing projects for commercial printing. 36 lecture hours, 72 lab hours. CSU

ART 159
Introduction to Typography
3 Units
Grade Only
Strongly Recommended: ART 150.
Introduction to fundamental concepts, practices, and theories of typography. Topics include terminology, history, vocabulary, classification, design and contemporary use of type. Utilizing board skills and software programs students will creatively manipulate type fonts in designs and layout applications, demonstrating a sensitivity to the characteristics and communicative values of typography. 36 lecture hours, 54 lab hours. CSU; UC (pending)

ART 162
Computer Graphics I
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ART 150 and ART 158.
An introduction and skill development course using the computer as a tool for graphic design and page layout projects where basic design, personal creativity, typography, illustration, and production techniques are implemented. An emphasis is placed on understanding the role of graphic design and the designer in contemporary society and how computer technology plays a major part in this rapidly developing career field. Software includes: current software applications. 36 lecture hours, 72 lab hours. CSU

ART 163
Computer Graphics II
3 Units
Grade or Pass/ No Pass
Prerequisite(s): ART 162.
This course advances the experiences in ART 162, through additional projects in graphic design, layout, and presentation. Adobe Illustrator, Photoshop, QuarkX-Press, In-Design, and Dreamweaver computer software is used in combination with digital imaging hardware to create visual communication projects relating to business, education, and public services. Work produced is to be of portfolio quality. 36 lecture hours, 72 lab hours. CSU

ART 167
Web Design I
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ART 150 or Portfolio Review.
An overview of World Wide Web with emphasis on design and publishing. This course utilizes various developmental tools in the design of pages to be used on the Internet for commercial or personal use. 36 lecture hours, 72 lab hours. CSU

ART 168
Animation I
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ART 150 or Portfolio Review. Also, ENGL 099 if required by English placement exam or if required by English level.
The focus of this course is to introduce the fundamentals of two-dimensional animation with emphasis on the computer as a tool. Student projects involve scripting, storyboarding, action, transition, timing, character development, and portfolio enhancement. 36 lecture hours, 72 lab hours. CSU

ART 180
Beginning Clay Sculpture
3 Units
Grade Only
Clay sculpture classes will include clay techniques, application of color, sculpting methods, and sculpture concepts. Students will learn the fundamentals of building and coloring ceramic hand built sculpture. 36 lecture hours, 72 lab hours. CSU; UC

ART 181
Intermediate Clay Sculpture
3 Units
Grade Only
Prerequisite(s): ART 180.
Intermediate clay sculpture classes will include modeling techniques, application of color, clay sculpting methods and sculpture concepts. Students may work with human models, animals, birds and other topics with emphasis on composition and craftsmanship. 36 lecture hours, 72 lab hours. CSU; UC

ART 182
Advanced Clay Sculpture I
3 Units
Grade Only
Prerequisite(s): ART 181.
Clay sculpture classes will include clay techniques, application of color, sculpting methods and sculpture concepts. Students will design and construct a medium size hand built sculpture of the human model, human head, animal, bird, or other topic. 36 lecture hours, 72 lab hours. CSU; UC

ART 183
Advanced Clay Sculpture II
3 Units
Grade or Pass/ No Pass
Prerequisite(s): ART 182.
Clay sculpture classes will include clay techniques, application of color, sculpting methods, and sculpture concepts. Students will design and construct large hand built sculpture pieces of the human model, human head, animals, or other topic. 36 lecture hours, 72 lab hours. CSU; UC

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ART 184
Sculpture and Metalwork
3 Units
Grade Only
Prerequisite(s): ART 121.
An introduction to sculpture materials and techniques. Student explores the potential of expressive form, structure, and space in various materials and processes. Study of aesthetics, technique and theoretical concerns as applied to sculpture. 36 lecture hours, 72 lab hours. CSU

ART 189
Art Portfolio and Resume Production
3 Units
Grade or Pass/ No Pass
Prerequisite(s): ART 153, ART 158, ART 162 and ART 167.
An advanced course to prepare a portfolio that best represents the student’s art/design work for the purpose of a job interview or advanced university placement. The final presentation will be based upon the student’s studio discipline and may include traditional studio work, computer (CGI) art and graphic design. Additionally, the production of a professional appearing resume plus participation in mock interviews will be a part of the class. 36 lecture hours, 72 lab hours.

ART 199
Motion Picture Appreciation
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An introductory course in which the student will learn how to analyze films on technical, aesthetic, and thematic levels. Historically significant films will be used as source material. 54 lecture hours. CSU; UC

ART 200
History of Motion Pictures
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An introductory course in motion picture history covering the years 1895-1945. The historically significant technical and thematic developments of world cinema are analyzed in detail in the context of production systems. 54 lecture hours. CSU; UC

ART 201
History of Motion Pictures II
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A second semester introductory course continuing with the study of motion picture history covering the years 1945-present. The historically significant thematic developments in world cinema are analyzed in a technical and production context. 54 lecture hours. CSU; UC

ART 206
History of Latin American Art
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Survey of the art of Mexico and Central and South America from the Spanish Colonial period forward to the present. 54 lecture hours. CSU; UC

ART 207
History of Asian Art - China, Korea, and Japan
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Survey of the arts of ancient China and their influence on the historical development of Korean and Japanese art forms throughout the 19th century, Asian culture and philosophies, and their relation to the developing art forms. 54 lecture hours. CSU; UC

ART 230
Advanced Painting
3 Units
Grade or Pass/ No Pass
Prerequisite(s): ART 130 and ART 131.
Personalized exploration of expressive painting concepts and techniques in oil and acrylic paint. Includes critical examination of paintings for technical and aesthetic concerns, content, and historical/cultural influences. 36 lecture hours, 72 lab hours. CSU

ART 240
Advanced Ceramics I
3 Units
Grade Only
Prerequisite(s): ART 141.
An advanced course in pottery with an emphasis on larger forms and development of a distinctive style. Also included is glaze technology and basic kiln operation. 36 lecture hours, 72 lab hours. CSU; UC

ART 241
Advanced Ceramics II
3 Units
Grade Only
Prerequisite(s): ART 240.
A broader experience in ceramics is the emphasis of this course. Independent visits to craft galleries and special exhibits, research on selected topics and time to explore new ideas in clay. 36 lecture hours, 72 lab hours. CSU; UC

ART 253
Digital Media Production II
3 Units
Grade or Pass/ No Pass
Prerequisite(s): ART 153.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An introduction to the interactive aspects of computer graphics and the association with multimedia, entertainment and advertising. This course will use currently available software in the development of creative and innovative multimedia presentations appropriate to industry, business and community. 36 lecture hours, 72 lab hours. CSU

ART 267
Web Design II
3 Units
Grade or Pass/ No Pass
Prerequisite(s): ART 167.
Advanced application and integration of WEB software and various scripting languages. Students create web environments and applicable utilize various programs, including but not limited to, Dreamweaver, Fireworks, Flash and Adobe Photoshop. Emphasis will be placed on design, animation, quality, and application to employment-related situations. 36 lecture hours, 72 lab hours. CSU
**ART 268**  
Animation II  
3 Units  
**Grade or Pass/ No Pass**  
Prerequisite(s): ART 168.  
This intermediate level animation course focuses on the development of one's personal creativity and the improvement of computer skills with the goal of producing a personal video portfolio. 36 lecture hours, 72 lab hours. CSU

**Astronomy**  
(Physical Sciences Department)

Astronomy studies celestial bodies and their structure, origin, and development. Courses in astronomy satisfy general education requirements for the associate degree and lower division transfer and can be used to fulfill some of the major requirements for the associate degree in Biological and Physical Sciences and Mathematics.

**Astronomy Courses**

**ASTR 115**  
Planetary Astronomy  
3 Units  
**Grade or Pass/ No Pass**  
**Strongly Recommended:** MATH 030. Also, ENGL 099 if required by English placement exam or if required by English level.  
The astronomy of the solar system including the history of astronomy, Newton's and Kepler's laws, light, telescopes, the Sun, terrestrial and giant planets, satellites, comets, meteors, and the origin of the solar system. 54 lecture hours. CSU; UC

**ASTR 115H**  
Planetary Astronomy - Honors  
3 Units  
**Grade Only**  
**Strongly Recommended:** MATH 030. Also, ENGL 099 if required by English placement exam or if required by English level.  
The astronomy of the solar system including the history of astronomy, Newton's and Kepler's laws, light, telescopes, the Sun, terrestrial and giant planets, satellites, comets, meteors, and the origin of the solar system. Students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of astronomical readings, presentation and leadership skills demonstrated through class participation/presentation, and service learning in the community. 54 lecture hours. CSU

**ASTR 116**  
Stellar Astronomy  
4 Units  
**Grade or Pass/ No Pass**  
**Strongly Recommended:** MATH 030. Also, ENGL 099 if required by English placement exam or if required by English level.  
The fundamental areas of stellar astronomy including the structure, classification and evolution of stars, galaxies and the universe, interstellar matter, and the theories of Newton and Einstein. Laboratory exercises include: energy and forces, light, optics, telescopes, stars and their classification, and galaxies. 54 lecture hours, 54 lab hours. CSU; UC

**ASTR 117**  
Life in the Universe  
3 Units  
**Grade Only**  
The origin and evolution of life on Earth, the processes and conditions relevant to life elsewhere in the universe, and the ongoing search for extraterrestrial life. 54 lecture hours. CSU; UC

**Automotive Technology**  
(Engineering Department)

Automotive Technology, a career technical program, provides the theoretical background and practical experience necessary to gain entry-level employment or advancement in the automotive technology industry. The program has a contract with Toyota Motor Sales that provides students with training aides, diagnostic equipment and a dealer network that helps with job placement. The program offers courses that lead to an associate degree in Automotive Technology as well as to certificates of achievement in Automotive Service, Diagnosis, and Repair—Master Technician; Automotive Service, Diagnosis, and Repair—Toyota/Lexus/Scion Technician; Automotive Service, Diagnosis, and Repair—Undercar/Drivetrain Specialist; Automotive Service, Diagnosis, and Repair—Underhood Specialist; and Automotive Development.

**Automotive Technology Courses**

**AUTO 100**  
Automotive Technology and Maintenance for the Consumer  
3 Units  
**Grade or Pass/ No Pass**  
**Strongly Recommended:** ENGL 099 if required by English placement exam or if required by English level.  
Intended for non-majors. Automobiles and light trucks will be explained from the point of view of the consumer. Operation of essential automotive technologies is central to the course goal of skill development in the inspection of various automobile systems for needed repairs and/or maintenance performed by the end-user. Appropriate lab activities in automobile inspection, service and repair are included. 54 lecture hours, 18 lab hours. CSU

**AUTO 101**  
Fundamentals of Automotive Service, Diagnosis and Repair  
6 Units  
**Grade Only**  
**Prerequisite(s):** ENGL 098 if required by English placement exam or if required by English level. MATH 029 if required by Math placement exam or if required by Math level.  
Co-Requisite(s): AUTO 230A and/or AUTO 230D and/or with Department consent.  
Intended for non-majors. Automobiles and light trucks will be explored from the point of view of the consumer. Appropriate lab activities in automobile inspection, service and repair are included. 90 lecture hours, 60 lab hours. CSU

**AUTO 140A**  
Vehicle Maintenance  
4 Units  
**Grade or Pass/ No Pass**  
**Prerequisite(s):** ENGL 098 if required by English placement exam or if required by English level. MATH 029 if required by Math level, and/or with department consent.  
Intended for the incumbent worker, re-
entry person or person seeking a career change into the automotive service industry. This course is intended to be the beginning course in the Maintenance and Light Repair (MLR) curriculum. This course is focused on developing workplace skills that will allow a student to competently perform a detailed multi-point inspection and conduct fluid maintenance on select vehicle subsystems. Appropriate lab activities are included. 54 lecture hours, 54 lab hours.

**AUTO 141**  
Engine Mechanical Maintenance and Light Repair  
2 Units  
Grade or Pass/ No Pass  
Prerequisite(s): AUTO 140A or minimum one year industry experience.  
Intended for the incumbent worker, re-entry person or person seeking a career change into the automotive service industry. This course is part of the Maintenance and Light Repair (MLR) curriculum. This course covers essential engine theory, inspection, diagnosis, service and repair. Engine inspection and measurements are covered, with emphasis on in-vehicle repairs. 27 lecture hours, 27 lab hours.

**AUTO 144**  
Automotive Chassis MLR  
4 Units  
Grade or Pass/ No Pass  
Prerequisite(s): AUTO 140A or one year of employment as automotive technician.  
Strongly Recommended: ENGL 098 if required by English placement exam or if required by English level and MATH 029 if required by Math placement exam or if required by Math level.  
Intended for the incumbent worker, re-entry person or person seeking a career change into the automotive service industry. This course is part of the Maintenance and Light Repair (MLR) curriculum. The course covers essential chassis system theory; inspection, diagnosis, service and repair of the following undercar systems: Steering, suspension, alignment, wheels and tires. Course prepares students for ASE Suspension and Steering (A4) certification. 54 lecture hours, 54 lab hours.

**AUTO 145**  
Automotive Brakes Maintenance and Light Repair  
3 Units  
Grade or Pass/ No Pass  
Prerequisite(s): AUTO 140A or one year of employment as automotive technician.  
Strongly Recommended: ENGL 098 if required by English placement exam or if required by English level and MATH 029 if required by Math placement exam or if required by Math level.  
Intended for the incumbent worker, re-entry person or person seeking a career change into the automotive service industry. This course is part of the Maintenance and Light Repair (MLR) curriculum. This course is focused on developing workplace skills that will allow a student to competently perform detailed brake inspections and repairs on disc, drum and parking brake systems. Appropriate lab activities are included. 36 lecture hours, 54 lab hours.

**AUTO 146**  
Automotive Electrical Systems  
4 Units  
Grade or Pass/ No Pass  
Prerequisite(s): AUTO 140A or one year of employment as automotive technician.  
Strongly Recommended: ENGL 098 if required by English placement exam or if required by English level and MATH 029 if required by Math placement exam or if required by Math level.  
Intended for the incumbent worker, re-entry person or person seeking a career change into the automotive service industry. This course is part of the Maintenance and Light Repair (MLR) curriculum. This course covers essential electrical and electronic systems theory, along with inspection, diagnosis, service & repair of specific electrical systems including the battery, starting systems, charging systems, lighting systems, gauges, instrument-panel warning lights and power accessories. Preparers for ASE Electrical & Electronic Systems (A6) certification. 54 lecture hours, 54 lab hours.

**AUTO 147**  
Automotive Heating, Ventilation and Air Conditioning MLR  
2 Units  
Grade or Pass/ No Pass  
Prerequisite(s): AUTO 146 or one year of employment as automotive technician with automotive department consent.  
Strongly Recommended: ENGL 098 if required by English placement exam or if required by English level and MATH 029 if required by Math placement exam or if required by Math level.  
Intended for the incumbent worker, re-entry person or person seeking a career change into the automotive service industry. This course is part of the Maintenance and Light Repair (MLR) curriculum. The course covers essential HVAC system theory; inspection, maintenance and light repair. Course prepares students for ASE HVAC (A7) certification and portions of the G1 certification. 27 lecture hours, 36 lab hours.

**AUTO 148**  
Engine Performance Maintenance and Light Repair  
4 Units  
Grade or Pass/ No Pass  
Prerequisite(s): AUTO 140A or one year of employment as automotive technician.  
Strongly Recommended: ENGL 098 if required by English placement exam or if required by English level and MATH 029 if required by Math placement exam or if required by Math level.  
Intended for the incumbent worker, re-entry person or person seeking a career change into the automotive service industry. This course is part of the Maintenance and Light Repair (MLR) curriculum. This course is focused on developing workplace skills that will allow a student to competently perform detailed engine inspections and repairs on air, fuel and emission control systems, along with inspection, diagnosis, service & repair of the following systems: Ignition, air and fuel delivery, emission control systems, and auxiliary emission controls. Course prepares students for ASE Engine Performance (A8) certification. 54 lecture hours, 54 lab hours.  

**AUTO 149**
Diesel Engine Management Systems
4 Units
Grade or Pass/ No Pass
Prerequisite(s): AUTO 148 or AUTO 168 or MTRK 151.
Intended for Automotive and Medium/Heavy Truck students, this course covers the theory of operation of 4-stroke diesel engines along with the theory of operation, testing and inspection, and service repair of air-inlet systems (including forced induction), exhaust systems, fuel-delivery systems (including mechanical and electronic engine controls), and emission-control systems. Course prepares students for ASE A9 and/or T2 certification. 72 lecture hours. CSU

AUTO 151
Engine Service, Diagnosis and Repair
6 Units
Grade Only
Prerequisite(s): AUTO 101.
Intended for those seeking a career in the automotive service and repair industry, this NATEF certified course is one component of the T-TEN and TEC programs. The course covers essential engine theory, inspection, diagnosis, service and repair. Engine disassembly, inspection, measurements and assembly are covered, with emphasis on in-vehicle repairs. Course prepares students for ASE Engine Repair (A1) certification exam. 54 lecture hours, 167 lab hours. CSU

AUTO 154
Chassis Service, Diagnosis, and Repair
8 Units
Grade Only
Prerequisite(s): AUTO 101 and AUTO 156.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level and MATH 030 or higher.
Intended for those seeking a career in the automotive service and repair industry, this NATEF certified course is one component of the T-TEN and TEC programs. The course covers essential chassis system theory, along with inspection, diagnosis, service and repair of the following undercar systems: brake, steering, suspension, alignment, wheel/tire, ride control and ABS. Course prepares students for ASE Suspension and Steering (A4) and ASE Brakes (A5) certification. 108 lecture hours, 135 lab hours. CSU

AUTO 156
Automotive Electrical/ Electronic Systems I
5 Units
Grade Only
Prerequisite(s): AUTO 101.
Intended for those seeking a career in the automotive service and repair industry, this NATEF certified course is one component of the T-TEN and TEC programs. This class covers essential electrical and electronic systems theory, along with inspection, diagnosis, service and repair of specific electrical systems including the battery, starting systems, charging systems, lighting systems, gauges, and instrument-panel warning lights. Prepares students for ASE Electrical & Electronic Systems (A6) certification. 68 lecture hours, 72 lab hours. CSU

AUTO 162
Drivetrain Service, Diagnosis and Repair
8 Units
Grade Only
Prerequisite(s): AUTO 166
Strongly Recommended: ENGL 099 or ENGL 100 or higher. Also, MATH 030 or higher.
Intended for those seeking a career in the automotive service and repair industry, this NATEF certified course is one component of the T-TEN and TEC programs. This class covers essential electrical and electronic systems theory, along with inspection, diagnosis, service & repair of specific accessory systems including supplemental restraint, navigation, entertainment, power windows/locks/seats, customizable body electronics, hybrid vehicle controls and multiplex systems. Prepares students for ASE Electrical & Electronic Systems (A6) certification. 36 lecture hours, 54 lab hours. CSU

AUTO 163
Manual Drivetrain
4.5 Units
Grade or Pass/ No Pass
Prerequisite(s): AUTO 154 and AUTO 166.
Course covers the theory of operations, diagnosis, and repair of manual transmissions, drive axle and shaft assemblies, transfer cases, clutches, and electrical and electronic systems. Emphasis is placed on rebuilding manual transmissions, rebuilding and set-up of differential, and R & R clutch assemblies. Course prepares students for the ASE A-3, Manual Drivetrain, and Axles. 54 lecture hours, 81 lab hours. CSU

AUTO 166
Automotive Electrical/ Electronic Systems II
3 Units
Grade Only
Prerequisite(s): AUTO 156.
Strongly Recommended: ENGL 099 or ENGL 100 or higher. Also, MATH 030 or higher.
Intended for those seeking a career in the automotive service and repair industry, this NATEF certified course is one component of the T-TEN and TEC programs. This class covers essential electrical and electronic systems theory, along with inspection, diagnosis, service & repair of specific accessory systems including supplemental restraint, navigation, entertainment, power windows/locks/seats, customizable body electronics, hybrid vehicle controls and multiplex systems. Prepares students for ASE Electrical & Electronic Systems (A6) certification. 36 lecture hours, 54 lab hours. CSU

AUTO 167
Automotive HVAC Service, Diagnosis & Repair
3 Units
Grade Only
Prerequisite(s): AUTO 156.
Strongly Recommended: ENGL 099 or ENGL 100 or higher. Also, MATH 030 or higher.
Intended for those seeking a career in the automotive service and repair industry, this NATEF certified course is one component of the T-TEN and TEC programs. This class covers essential heating, ventilation and air conditioning system theory, along with inspection, diagnosis, service & repair of specific HVAC subsystems including: Refrigeration, air distribution and automatic temperature control. Course prepares students for ASE Heating and Air Conditioning (A7) certification. 36 lecture hours, 54 lab hours. CSU

AUTO 168
Engine Control Systems Service, Diagnosis and Repair
8 Units
Grade Only
Prerequisite(s): AUTO 151 and AUTO 166.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level. Also, MATH 030 or higher.
Intended for those seeking a career in the automotive service and repair industry, this NATEF certified course is one component of the T-TEN and TEC programs. The course covers engine theory, inspection, measurements and assembly are covered, with emphasis on in-vehicle repairs. Course prepares students for ASE Engine Control Systems (A8) certification. 36 lecture hours, 54 lab hours. CSU
industry, this NATEF certified course is one component of the T-TEN and TEC programs. The course covers essential engine management system theory, along with inspection, diagnosis, service & repair of the following systems: Ignition, air and fuel delivery, electronic engine controls, and auxiliary emission controls. Course prepares students for ASE Engine Performance (AB) certification. 108 lecture hours, 135 lab hours. CSU

**AUTO 230A**
Automotive Service and Repair Work Experience A
1 Unit
Pass/ No Pass
Limitation on Enrollment:
Department consent required prior to enrollment.
Strongly Recommended: Completion of 16 units in automotive technology coursework.

Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty adviser. Lab hours are arranged and completed at the place of employment. 9 lecture hours, 160 lab hours arranged.

**AUTO 230B**
Automotive Service and Repair Work Experience B
2 Units
Pass/ No Pass
Limitation on Enrollment:
Department consent required prior to enrollment.
Strongly Recommended: Completion of 16 units in automotive technology coursework.

Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty adviser. Lab hours are arranged and completed at the place of employment. 9 lecture hours, 320 lab hours arranged.

**AUTO 230C**
Automotive Service and Repair Work Experience C
3 Units
Pass/ No Pass
Limitation on Enrollment:
Department consent required prior to enrollment.

Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty adviser. Lab hours are arranged and completed at the place of employment. 9 lecture hours, 480 lab hours arranged.

**AUTO 230D**
Automotive Service and Repair Work Experience D
4 Units
Pass/ No Pass
Limitation on Enrollment:
Department consent required prior to enrollment.

Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty adviser. Lab hours are arranged and completed at the place of employment. 9 lecture hours, 640 lab hours arranged.

**AUTO 281**
Advanced Toyota Certified Technician Training
6.5 Units
Pass/ No Pass

Prerequisite(s): Must currently be a full-time journeyman level technician with two years of dealership experience or four years experience at an independent repair facility or completion of 1080 hours of NATEF-Master certified post-secondary automotive training program with at least 12 months of technician experience or successful completion of all requirements of the Automotive Service, Diagnosis and Repair - Toyota/Lexus/Scion Technician Certificate of Achievement except the AUTO 281 course.

Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

An advanced-level course specifically designed to meet the Toyota Certified Technician Program requirements for certification in the following University of Toyota technical training courses: 021, 263, 302, 453, 553, 623, 652, 753, and 852. Only individuals meeting the requirement of the T-TEN Professional Certificate or the current T-TEN students that have completed the NATEF core classes may attend. Classes are offered Pass/No Pass only. 88 lecture hours, 88 lab hours.

**AUTO 291**
Engine Performance Enhancements and Tuning
3 Units
Grade Only

Prerequisite(s): AUTO 168 or consent required by English placement exam or if required by English level.

This class covers the engine performance enhancements available for automobiles, light trucks and motorcycles. The subject areas covered include stand-alone engine management systems, fuel systems, turbochargers, superchargers, nitrous oxide, ignition systems, and the use of the chassis dynamometer as a tuning tool. 36 lecture hours, 54 lab hours.

**AUTO 295**
Engine Design
4 Units
Grade or Pass/ No Pass

Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

A course designed to teach engine design principles and analysis of cylinder heads, cylinder blocks, crankshafts, piston and rings, connecting rods, camshaft, valve train systems. The course will also cover the design and tuning of intake and exhaust systems, turbocharging and supercharging and the use of basic and advanced engine design formulas. 72 lecture hours. CSU
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 296</td>
<td>Cylinder Head Development</td>
<td>4</td>
<td>A course designed to teach the skills necessary to develop a cylinder head for total performance. Emphasis will be placed on cylinder head development and reconditioning, head CCing, and basic flowbench operation. 54 lecture hours, 54 lab hours.</td>
</tr>
<tr>
<td>AUTO 297</td>
<td>Cylinder Block Development</td>
<td>4</td>
<td>A course designed to teach the skills necessary to develop and rebuild a cylinder block for total performance. Emphasis will be placed on cylinder block development and reconditioning, including operation of align-honing, surfacing, boring, and honing machine operation. 54 lecture hours, 54 lab hours.</td>
</tr>
<tr>
<td>AUTO 298</td>
<td>Special Projects</td>
<td>2</td>
<td>This laboratory class is designed to provide hands-on application of skills and techniques acquired in the High Performance Institute (HPI) program series of classes. The HPI program has a number of designated special projects that students will take part in. Students take an active role in planning, preparation, and completion of projects during the semester. 108 lab hours.</td>
</tr>
<tr>
<td>AUTO 695A</td>
<td>Special Topics: Automotive Technology</td>
<td>0.5</td>
<td>This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. 9 lecture hours.</td>
</tr>
<tr>
<td>AUTO 695B</td>
<td>Special Topics: Automotive Technology</td>
<td>1</td>
<td>This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. 18 lecture hours.</td>
</tr>
<tr>
<td>AUTO 695C</td>
<td>Special Topics: Automotive Technology</td>
<td>2</td>
<td>This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. 36 lecture hours.</td>
</tr>
<tr>
<td>AUTO 695D</td>
<td>Special Topics: Automotive Technology</td>
<td>3</td>
<td>This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. 54 lecture hours.</td>
</tr>
<tr>
<td>AUTO 695E</td>
<td>Special Topics: Automotive Technology</td>
<td>0.5</td>
<td>This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. 9 lecture hours.</td>
</tr>
<tr>
<td>AUTO 695F</td>
<td>Special Topics: Automotive Technology</td>
<td>1</td>
<td>This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. 18 lecture hours.</td>
</tr>
<tr>
<td>AUTO 695G</td>
<td>Special Topics: Automotive Technology</td>
<td>2</td>
<td>This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. 36 lecture hours.</td>
</tr>
<tr>
<td>AUTO 695H</td>
<td>Special Topics: Automotive Technology</td>
<td>3</td>
<td>This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. 54 lecture hours.</td>
</tr>
</tbody>
</table>

**Biology (Natural Sciences Department)**

Biology is the science of life and living organisms, including their structure, function, and growth. Courses in biological sciences satisfy general education requirements for the associate degree and lower division transfer and lead to associate degrees in Biological Science and in Biological and Physical Sciences and Mathematics.

**Biology Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 102</td>
<td>Human Genetics</td>
<td>3</td>
<td>General principles of genetics and reproduction in wellness and disease as</td>
</tr>
</tbody>
</table>
BIOL 104
Biology: Contemporary Topics
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A general biology course for non-majors which will cover basic life processes and address contemporary issues in biology. Biological principles covered will include chemical foundations of biology, cell structure and function, cell reproduction, and genetics. Contemporary issues may include such areas as public health, biotechnology, and environmental science. 54 lecture hours. CSU; UC

BIOL 105
General Biology
4 Units
Grade Only
Strongly Recommended: MATH 030 and high school biology or chemistry. Also, ENGL 099 if required by English placement exam or if required by English level.
The general biology course, lecture and laboratory, for non-majors, with emphasis upon molecular biology, cell structure and function, energy relationships, human physiological systems (including reproductive anatomy, reproductive cycles, development, and immunity), genetics, evolution, ecological interrelationships, and discussion of contemporary issues. The laboratory provides the student with expanded first-hand experience in specific areas of course content. 54 lecture hours, 54 lab hours. CSU; UC

BIOL 105H
General Biology - Honors
4 Units
Grade Only
Strongly Recommended: MATH 030 and high school biology or chemistry. Also, ENGL 099 if required by English placement exam or if required by English level.
The general biology course, lecture and laboratory, for non-majors, with emphasis upon molecular biology, cell structure and function, energy relationships, human physiological systems (including reproductive anatomy, reproductive cycles, development, and immunity), genetics, evolution, ecological interrelationships, and discussion of contemporary issues. The laboratory provides the student with expanded first-hand experience in specific areas of course content. 54 lecture hours, 54 lab hours. CSU; UC

BIOL 109
Biology for Educators
4 Units
Grade Only
Prerequisite(s): MATH 030 or concurrent enrollment.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course provides each prospective multiple subject teacher with an introductory survey of the fundamental concepts of biology and the interrelationships among living organisms. Emphasis is placed upon the chemical basis of life, the role of cells in the formation of complex organisms, the relationship between structure and function in complex organisms like plants and animals, the role that genetics plays in the evolution of life, and the relationship between living organisms and the physical world around them. This course is recommended for students planning to take the CSET Multiple Subject Exam to become credentialed elementary school teachers in the State of California. 54 lecture hours, 54 lab hours. CSU

BIOL 116
HI V and AIDS: Insights and Implications
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A course covering the most common sexually transmitted infections (STI’s) with emphasis on the complex biological, sociological, and psychological aspects of the AIDS epidemic. Topics include history of the infections, agent(s), current medical knowledge, transmission, risk reduction, and societal responses.

Common myths and misunderstandings will be identified to distinguish them from accepted scientific information. Selected topics will be presented by guest speakers. 54 lecture hours. CSU; UC

BIOL 124
Principles of Biology I
5 Units
Grade Only
Prerequisite(s): MATH 142 or MATH 150.
A principles of biology course designed for biology majors and pre-med. students. Detailed study of basic structure and function of living material, with emphasis on cell and molecular biology, genetic mechanisms and their control, reproduction and development, evolution. 72 lecture hours, 54 lab hours. CSU; UC

BIOL 125
Principles of Biology II
5 Units
Grade Only
Prerequisite(s): MATH 142 or MATH 150.
A principles of biology course designed for biology majors and pre-med. students. Detailed study of basic structure and function of living material, with emphasis on the diversity of living material, animal and plant form, function, reproduction and development, evolution, and ecological relationships. 72 lecture hours, 54 lab hours. CSU; UC

BIOL 145
Environmental Science
3 Units
Grade Only
Strongly Recommended: BIOL 104 or BIOL 105. Also, ENGL 099 if required by English placement exam or if required by English level.
A lecture course exploring contemporary global environmental concerns. Basic concepts covered will include the Earth’s life support systems, population dynamics, environmental pollution, food production, and natural resource utilization. Emphasis will be placed on recognizing global environmental problems and exploring various solutions for them. 54 lecture hours. CSU; UC
**BIOL 200**  
Human Anatomy  
4 Units  
Grade Only  
Prerequisite(s): BIOL 105 or BIOL 124.  
Biology 200 is a lecture/laboratory course in human anatomy focusing on the structures and organs of the human body. Students will be required to learn and understand the structures from the molecular to gross levels, using the microscope, standard anatomical (plastic) models, and preserved specimens (sheep heart, sheep brain, and cat). Required of pre-nursing students. 54 lecture hours, 54 lab hours. CSU; UC

**BIOL 201**  
Human Physiology  
4 Units  
Grade Only  
Prerequisite(s): BIOL 200 and CHEM 103 or CHEM 104 or CHEM 110 or CHEM 111 or CHEM 112.  
An advanced course in human physiology emphasizing nervous, muscle, cardiovascular, immune, respiratory, urinary, gastrointestinal, reproductive, & endocrine systems. Required of pre-nursing students. 54 lecture hours, 54 lab hours. CSU; UC

**BIOL 220**  
Microbiology  
5 Units  
Grade Only  
Prerequisite(s): CHEM 103 or CHEM 104 or CHEM 110 or CHEM 111 or CHEM 112. Also, BIOL 105 or BIOL 124.  
An introduction to the biology of microorganisms including bacteria, viruses, fungi, and protozoa. Metabolism, genetics, culture methods, identification, and control of common microbes are considered. Emphasis is placed on the virulence mechanisms and control of human pathogens and on the principles of immunology and host defense. Laboratory work includes techniques common to the control, culture, and identification of microbes. Required of pre-nursing students and medical technologists. 54 lecture hours, 108 lab hours. CSU; UC

### Biotechnology

**Biotechnology**  
*(Natural Sciences Department)*  
Biotechnology is the application of biological systems and living organisms to address today's societal challenges. Biotechnology utilizes living cells to produce medicine, food, and alternative fuels, as well as remove environmental toxins. Courses in biotechnology lead to a certificate of achievement in Biomanufacturing, and prepare students to immediately obtain entry-level positions as technicians in the local biotech industry.

### Biotechnology Courses

**BIOT 110**  
Biotechnology I: Basic Lab Skills and Documentation.  
4 Units  
Grade Only  
Strongly Recommended: MATH 030 or MATH 032. Also, ENGL 099 if required by English placement exam or if required by English level.  
This course provides an introduction to biotechnology beginning with an overview of basic biological and chemical concepts. Students will examine the application of biotechnology to healthcare, forensics, renewable fuels, and environmental remediation. The course includes a significant laboratory component emphasizing laboratory safety, operation of standard equipment, industry documentation practices, preparation of chemical solutions, aseptic technique, and DNA isolation and manipulation. Students will gain an appreciation for the diversity of biotechnology companies in our region and local workforce trends. 36 lecture hours, 108 lab hours. CSU

**BIOT 150**  
Biotechnology II: Biomanufacturing and Quality Principles  
4 Units  
Grade Only  
Prerequisite(s): BIOT 110.  
Strongly Recommended: MATH 030 or MATH 032. Also, ENGL 099 if required by English placement exam or if required by English level.  
This course builds upon the concepts and laboratory techniques introduced in Biotechnology I: Basic Lab Skills and Documentation. Students will closely examine the biomanufacturing sector, including facility design, the production process, quality control, and quality assurance. Governmental regulation of the biomanufacturing industry will be highlighted as students explore Good Manufacturing Practice and Good Documentation Practice. This course includes a significant laboratory component focusing on large-scale protein production and purification, environmental monitoring, equipment validation, and clean room operations. Resume writing and job interview skills for biomanufacturing employment opportunities will be emphasized. 36 lecture hours, 108 lab hours. CSU

### Business

**BUS 130**  
Introduction to Business  
3 Units  
Grade or Pass/ No Pass  
This is a foundation course in business administration. It is recommended for all students planning further study in this field. Lecture, discussion and problems involve such topics as business finance, personnel, production, distribution, government regulations, and managerial controls. 54 lecture hours. CSU; UC

**BUS 132**  
Ethics in Business  
3 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
This course emphasizes development of managerial decision-making skills utilizing ethical business standards for improvement of business organizations, communities, government, and international trade. 54 lecture hours. CSU
BUS 140  
International Business  
3 Units  
Grade Only  
Strongly Recommended: BUS 130.  
Also, ENGL 099 if required by English placement exam or if required by English level.  
A comprehensive overview of international business with a global perspective on international trade including foreign investments, impact of financial markets, international marketing, and the operation of multi-national corporations. 54 lecture hours. CSU  

BUS 146  
Personal Finance  
3 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
This course is an integrative approach to personal finance focusing on practical financial decision making as well as the social, psychological, and physiological contexts in which those decisions are made. Students will examine their relationships with money, set personal goals, and develop a plan to meet those goals. Topics include consumerism, debt, healthcare, investing, retirement, long-term care, disability, death, and taxes. 54 lecture hours. CSU  

BUS 150  
Business English  
3 Units  
Grade or Pass/ No Pass  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
An introductory course in business writing, which includes a common-sense approach to the use of English grammar, punctuation and style in the business context, and strategies for effective writing of business-related communications. Recommended for business majors. 54 lecture hours. CSU  

BUS 152  
Business Communications  
3 Units  
Grade or Pass/ No Pass  
Prerequisite(s): ENGL 101.  
Strongly Recommended: BUS 150.  
A study of principles and strategies for developing effective written and oral communication skills for use in the workplace and in business. Several types of written and oral forms of business communication are highlighted. Recommended for business majors. 54 lecture hours. CSU  

BUS 160  
Business Law and the Legal Environment I  
3 Units  
Grade or Pass/ No Pass  
A study of law, with an emphasis on the law's relationship to business. Topics covered include the legal environment of business, court procedures, jurisdiction, torts and crimes in the business environment, intellectual property, principles of contract law, commercial transactions, and ethical business practices. 54 lecture hours. CSU  

BUS 161  
Business Law and the Legal Environment II  
3 Units  
Grade or Pass/ No Pass  
A study of law, with an emphasis on the law's relationship to business. Topics covered include agency, employment law, consumer law, environmental law, sole proprietorships, franchises, partnerships, corporations, insurance, real and personal property, landlord-tenant law, wills and trusts, elder law, creditors' rights and remedies, secured transactions, bankruptcy law, negotiable instruments, antitrust law, professional liability, and international law. 54 lecture hours. CSU; UC  

BUS 162  
Small Business Management  
3 Units  
Grade or Pass/ No Pass  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
The study of business organization emphasizing the small independently-owned business. Instructional topics include discussion of the benefits of small business, creation of a new venture, marketing, managing, financial, and administrative controls. 54 lecture hours. CSU  

BUS 163  
Human Resource Management  
3 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
The study of Human Resource Management emphasizing employer/employee relationships, communications, employee selection, job analysis and description, job motivation and productivity, employee benefits, principles of collective bargaining, labor relations, O.S.H.A., and affirmative action. 54 lecture hours. CSU  

BUS 164  
Introduction to Management  
3 Units  
Grade or Pass/ No Pass  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
A course focusing on communication, decision making, and leadership for administrative and managerial positions in business, government, the professions, and the volunteer sector. 54 lecture hours. CSU  

BUS 165  
Management for the Office Professional  
3 Units  
Grade or Pass/ No Pass  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
An overview of office management for administrative professionals. Topics include: concepts and trends in administrative office management, centralizing/decentralizing managerial authority, communication in the office, managing a culturally diverse workplace, managing the ergonomic office environment, automating the office, managing office information systems, and improving office productivity. 54 lecture hours. CSU  

BUS 166  
Elements of Marketing  
3 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
A course focusing on the moving of goods, services, and ideas from producer to consumer. Topics include: functions and institutions of marketing; marketing research and customer motivation; buying, selling, pricing and competition; transportation, storage and packaging; banking, communication, and insurance. 54 lecture hours. CSU
BUS 192
Advertising
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A study of media advertising, including magazine, television, radio, newspaper, and direct mail; the purpose and cycles of advertising; laws affecting advertising; and economic effects of advertising. 54 lecture hours. CSU; UC

Chemistry
(Physical Sciences Department)
Chemistry, a natural science, studies the composition, structure, properties, and reactions of matter, especially of atomic and molecular systems. Courses include organic and inorganic chemistry as well as quantitative analysis. Chemistry courses satisfy general education requirements for the associate degree and lower division transfer and can be used to fulfill some of the major requirements for the associate degree in Biological and Physical Sciences and Mathematics.

Chemistry Courses

CHEM 103
College Chemistry
5 Units
Grade or Pass/ No Pass
Prerequisite(s): MATH 030.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The first semester of a year program includes chemistry of inorganic compounds; covers topics of nomenclature, stoichiometry, bonding, chemical equations, gas laws, solutions, acids and bases, nuclear processes and chemical equilibrium. Required for students transferring to four-year college nursing programs and students majoring in physical therapy, occupational therapy and home economics. 72 lecture hours, 72 lab hours. CSU; UC

CHEM 104
College Chemistry
5 Units
Grade or Pass/ No Pass
Prerequisite(s): CHEM 103 or CHEM 110.
The second semester of a year program includes chemistry of organic compounds; covers topics in biochemistry including carbohydrates, fats, proteins, metabolism, nucleic acids, and nutrition. Required for students transferring to four-year college nursing programs and students majoring in physical therapy, occupational therapy and home economics. 72 lecture hours, 72 lab hours. CSU; UC

CHEM 106
Physical Science for Educators
4 Units
Grade Only
Prerequisite(s): MATH 030 or concurrency.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course provides each prospective multiple subject teacher with an introductory survey of the fundamental concepts of chemistry and physics and the relationships among these disciplines. Emphasis is placed on the ways in which chemistry and physics affect everyday life. This course is recommended for students planning to take the CSET Multiple Subject Exam to become credentialed elementary school teachers in the State of California. PHYS 106 and CHEM 106 are the same course. 54 lecture hours, 54 lab hours. CSU

CHEM 110
Beginning General Chemistry
5 Units
Grade or Pass/ No Pass
Prerequisite(s): MATH 142 or MATH 150. Also CHEM 110 and ENGL 099 if required by English placement exam or if required by English level. (for science majors only, not pre-medical students). Course topics include periodicity, stoichiometry, nomenclature, atomic structure, bonding, chemical calculations, thermodynamics, intermolecular forces, gases and organic chemistry. The course is designed for all science and engineering majors and pre-medical students. 54 lecture hours, 126 lab hours. CSU; UC

CHEM 111
General Chemistry
5 Units
Grade or Pass/ No Pass
Prerequisite(s): MATH 142 or MATH 150. Also CHEM 110 and passing score on Chemistry Placement Exam.
A general course in the fundamental principles of chemistry. Topics covered include periodicity, stoichiometry, nomenclature, atomic structure, bonding, chemical calculations, thermodynamics, intermolecular forces, gases and organic chemistry. The course is designed for all science and engineering majors and pre-medical students. 54 lecture hours, 126 lab hours. CSU; UC

CHEM 112
General Chemistry
5 Units
Grade or Pass/ No Pass
Prerequisite(s): CHEM 111.
A general course in the fundamental principles of chemistry. Chemistry 112 is a continuation of Chemistry 111 and includes topics of equilibrium, kinetics, acid-base chemistry, electrochemistry, nuclear processes, coordination chemistry and thermodynamics. 54 lecture hours, 126 lab hours. CSU; UC

CHEM 201
Organic Chemistry I with Lab
4 Units
Grade Only
Prerequisite(s): CHEM 112.
The first semester of a year-long course in organic chemistry intended for majors in the natural sciences (chemistry, biochemistry, biology, physics, and pre-medicine). Course topics include hydrocarbons, stereochemistry, and basic organic chemistry laboratory techniques for synthesis. 54 lecture hours, 54 lab hours. CSU; UC (pending)

CHEM 202
Organic Chemistry II with Lab
4 Units
Grade Only
Prerequisite(s): CHEM 201.
The second semester of organic chemistry for pre-professional programs in medicine, dentistry and pharmacy. The course includes properties of aromatic compounds, aldehyde, ketones, acid derivatives and NMR. The lab includes synthesis and IR analysis of selected organic compounds. 54 lecture hours, 54 lab hours. CSU; UC (pending)
CHEM 210
Organic Chemistry A
3 Units
Grade Only
Prerequisite(s): CHEM 112. A course in organic chemistry including the properties and reactions of alkanes, alkenes, alkynes, alcohols, ethers, thiols, emphasizing fundamental principles and reaction mechanisms, stereochemistry and IR spectroscopy. First semester of a one-year course, required for students enrolled in pre-professional programs in medicine, dentistry, pharmacy, veterinary science, biology, and chemistry. CHEM 211L required concurrently for most stated majors. 54 lab lecture hours. CSU; UC

CHEM 211L
Organic Chemistry A Laboratory
1 Unit
Grade Only
Prerequisite(s): CHEM 112. Also, CHEM 210 or concurrent enrollment. Introduction to organic laboratory techniques such as melting point, crystallization, distillation, thin layer chromatography, extraction. Synthesis of an ether and an alkene. 54 lab hours. CSU; UC

CHEM 220
Organic Chemistry B
3 Units
Grade Only
Prerequisite(s): CHEM 210. A course in organic chemistry including the properties and reactions of aromatic compounds, aldehydes, ketones, carboxylic acid derivatives, enols, enolates, amines, NMR. Second semester course required for students in pre-professional programs in medicine, dentistry, pharmacy, veterinary science, biology, and chemistry. CHEM 221L is required concurrently for most of the stated majors. 54 lecture hours. CSU; UC

CHEM 221L
Organic Chemistry B Laboratory
1 Unit
Grade Only
Prerequisite(s): CHEM 210 and CHEM 211L. Also, CHEM 220 or concurrent enrollment. Synthesis of selected organic compounds, including multi-step processes, techniques of column chromatography, IR spectroscopy. 54 lab hours. CSU; UC

Chinese (Foreign Languages Department)
The Foreign Languages Department offers proficiency-based instruction in listening, speaking, reading, and writing in these languages: Spanish, German, Chinese, and Japanese. The study of each language includes vocabulary, grammar, syntax, pronunciation, and cultural and historical understanding. Intermediate-level courses include a literature component. Courses combine classroom lectures, guided practice, and language activities with individual work conducted online.

Chinese Courses
CHIN 101
Chinese I
5 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A course in elementary Chinese (Mandarin) grammar, vocabulary and pronunciation which aims at understanding, speaking, reading and writing simple Chinese and serves as an introduction to Chinese geography and culture. 90 lecture hours. CSU; UC

CHIN 102
Chinese II
5 Units
Grade or Pass/ No Pass
Prerequisite(s): CHIN 101 or two years of High School Chinese. Chinese 102 continues to present the fundamentals of Chinese grammar. Students are further trained to pronounce Mandarin correctly, to build their conversational and written vocabulary, and to read and write approximately 300 more Chinese characters. 90 lecture hours. CSU; UC

Child Development (Behavioral Sciences Department)
The Child Development Program explores the theories and concepts necessary for the healthy growth and development of children from conception through adolescence. Child development courses provide both the theoretical and practical skills and experiences necessary to obtain a transfer degree or gain employment in the field of early childhood education.

Child Development Courses
CHLD 100
Introduction to Education and Teaching Grades K-12
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course is an introductory course for students wishing to explore the teaching profession in the K-12 setting. Topics include an introduction to teacher performance expectations and California Standards for the teaching profession. Other topics include pedagogical strategies, curriculum design, California subject matter standards, use of technology in today’s classroom and the importance of current issues and legislation. In addition, students are REQUIRED to observe 45 hours in K-12 classrooms to complete the course successfully. 54 lecture hours. CSU
CHLD 110
Early Childhood Development
3 Units
Grade or Pass/ No Pass
This introductory course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through early childhood. There will be an emphasis on interactions between maturational processes and environmental factors. While studying development, students will observe children, evaluate individual differences and analyze characteristics of development at various stages. 54 lecture hours. CSU

CHLD 111
Child Development Youth - Adolescence
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course examines the history and philosophy of child development from middle childhood through adolescence (8-18 years). This includes a survey of parenting and educational practices as well as examining the responsibilities of teaching and caring for this age group. 54 lecture hours. CSU; UC

CHLD 112
Principles of Early Childhood Education I
3 Units
Grade Only
This course is designed to introduce students to the theoretical principles of developmentally appropriate practice as applied to programs and environments with an emphasis on the role of relationships, constructive adult-child-parent interactions, and teaching strategies that support physical, social/emotional, creative and intellectual development for all young children regardless of their individual and diverse needs. Observation, analysis and assessment of programs for young children will be required. The course includes a review of the historical roots of early childhood programs and the evolution of professional practices promoting advocacy, ethics and professional identity. 54 lecture hours. CSU

CHLD 114
Home-Child-Community Relations
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An examination of the developing child in a societal context which focuses on the interrelationships of family, school and community and emphasizes historical and socio-cultural factors. The processes of socialization and identity development will be highlighted. The course includes an examination of community resources, the teacher's role and the influences of age, gender, diverse abilities, culture, socio-economic status and public policy factors that affect children and families. 54 lecture hours. CSU

CHLD 116
Introduction to Curriculum
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course will present an overview of knowledge and skills related to providing curriculum and environments for young children from birth through age six. Examination of the teacher's role in supporting learning and development in young children with an emphasis on the essential role of play. This course provides strategies for developmentally appropriate practice based on observation and assessments across the curriculum including the following areas: 1) language and literacy, math and science, 2) creative art and experiences 3) development of physical, social/emotional and cognitive skills. 54 lecture hours. CSU

CHLD 120
Literacy for Children
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course will explore teaching strategies, interactions and environments necessary for nurturing early language development and literacy skills in the preschool and early school-age child. Students will analyze developmentally appropriate curriculum that supports children's emerging listening, speaking, reading and writing skills. Students will survey children's picture books and learn techniques to enhance literacy development across the curriculum including storytelling, puppetry and other relevant language arts experiences for children 0-8 years. 54 lecture hours.

CHLD 121
Art for Children
2 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course will provide the student with basic skills and techniques for using musical instruments, recordings and songs and develop rhythmic movement activities to use with preschool and early school-age children. Students will analyze, discuss and plan developmentally appropriate curriculum that supports children's music and movement needs. Previous music experience is not required. 36 lecture hours.

CHLD 122
Music and Rhythms for Children
2 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course focuses on planning and implementing science experiences with preschool and early school-age children. Students will analyze and plan developmentally appropriate curriculum that supports children's understanding of life, earth and physical science concepts. This course provides exposure to formal, informal and incidental science activities and direct use of science materials. Students will analyze the teacher's role in incorporating science concepts within the total program for children. 18 lecture hours.
CHLD 124  
Math for Children  
1 Unit  
Grade Only  
**Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.**  
The student will gain knowledge of practical mathematics activities to use with preschool and early-school age children. The student will plan developmentally appropriate math curriculum activities. This course focuses on analyzing relevant theories of child development to provide the student with opportunities to evaluate mathematical materials and activities for use in the early childhood education classroom. 18 lecture hours.

CHLD 130  
Infant Development and Group Care  
3 Units  
Grade Only  
**Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.**  
This course focuses on the development of the infant and on the dynamics of infant group care. Methods of providing care designed for physical, emotional, social, and intellectual development will be stressed. The health and safety requirements of the state and county are included. 54 lecture hours. CSU

CHLD 134  
Parent-Child Interaction  
3 Units  
Grade Only  
This course explores dynamics of the parent-child relationship. Students will analyze the process of being a parent, stages of parenthood, and consider both internal and external forces that influence parent-child interactions. A focus on children from birth to adolescence will include understanding developmental needs. A problem solving approach to the parent-child interaction will be examined to promote positive relationships within a harmonious family atmosphere. 54 lecture hours. CSU

CHLD 140  
Before/After-School Programs  
3 Units  
Grade Only  
An overview of quality school-age child-care programs based on good child development principles and practices. This course includes community resources, environment, staffing, activities, home-work assistance, discipline and relationships. This class meets the Title XXII licensing requirements for personnel in school age programs. 54 lecture hours.

CHLD 144  
Health, Safety and Nutrition for Young Children  
3 Units  
Grade Only  
**Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.**  
This course provides an overview of health, safety and nutrition standards, regulations, laws, policies and procedures for use in the early childhood education settings. Key components that ensure physical and mental health and safety for both children and staff will be identified. Emphasis will be placed on the importance of collaborating with families and health professionals. 54 lecture hours. CSU

CHLD 150  
Multi-Culture Anti-Bias Classrooms  
3 Units  
Grade Only  
**Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.**  
This course is designed to assist students in becoming more effective teachers of individuals from backgrounds other than their own. The course will involve self-reflection of one’s own understanding of educational principles as one integrates anti-bias goals to better inform teaching practices and program development. Students will examine the development of social identities in diverse societies including theoretical and practical implications affecting young children, families, programs, teaching and education/schooling. Included is an examination of culturally relevant and linguistically appropriate approaches that support all children in becoming competent members of a diverse society. 54 lecture hours. CSU

CHLD 154  
Observing and Recording Behavior  
3 Units  
Grade Only  
**Prerequisite(s): CHLD 110 or PSY 206. CHLD 112.**  
This course focuses on the appropriate use of assessment and observation strategies to document development, growth, curriculum and activities in early childhood. Students will practice a variety of techniques in a variety of different settings including; recording strategies, rating systems, portfolios, and multiple assessment tools. 54 lecture hours. CSU

CHLD 156  
Practicum in Early Childhood Education  
2 Units  
Grade Only  
**Prerequisite(s): CHLD 112, CHLD 114, CHLD 116 and CHLD 154. Also CHLD 110 or PSY 206. Co-Requisite(s): CHLD 156L.**  
This course is designed to provide the student with opportunities to plan and implement developmentally appropriate activities in an early childhood setting. Emphasis is placed on developing professional relationships, planning and implementation of curriculum, environment design. A variety of programs and philosophies will be examined. Students will use practical classroom experiences to make connections between theory and practice and are required to be registered in 156L concurrently. 36 lecture hours. CSU

CHLD 156L  
Practicum Lab  
1 Unit  
Grade Only  
**Prerequisite(s): CHLD 112, CHLD 114, CHLD 116 and CHLD 154. Also CHLD 110 or PSY 206. Co-Requisite(s): CHLD 156.**  
The student will have the opportunity for application of acquired knowledge and teaching skills directly in the early childhood classroom. The students will gain experience teaching activities to children and developing a professional attitude. NOTE: This class should be taken at the same time as CHLD 156 Practicum. 54 lab hours arranged. CSU

CHLD 160  
Perceptual Motor and Movement Activities  
2 Units  
Grade Only  
**Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.**  
This course will focus on evaluation of motor skills, planning and implementation of perceptual motor and movement activities appropriate for normal and
Specific strategies for language intervention and child abuse reporting are also included. This class is appropriate for all professionals and paraprofessionals working with young children. 36 lecture hours.

CHLD 169
Managing Challenging and Disruptive Behaviors
1 Unit
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course provides an overview of challenging and disruptive behaviors in preschoolers. Topics of study include attention deficit disorder, aggression, and other related topics. Students will analyze behavioral issues and explore strategies for classroom management. Students will develop guidance techniques for modifying inappropriate behaviors. 18 lecture hours.

CHLD 181
Infant and Toddler Caregiver: Relationships
1 Unit
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This is one of four one-unit classes in Infant and Toddler Caregiving based on the Responsive Caregiving approach. Students in this class will learn to recognize cues and to follow the child's interest in order to facilitate the infant's or toddler's discoveries and learning. Students will learn to base the curriculum on the child's interest and readiness. This class partially meets the licensing requirement for 3 units in infant and toddler care and development. 18 lecture hours.

CHLD 182
Infant and Toddler Caregiver: Socialization and Emotional Development
1 Unit
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This is one of four one-unit classes in Infant and Toddler Caregiving based on the Responsive Caregiving approach. Students in this class will learn to recognize cues and to follow the child's interest in group care. This class partially meets the licensing requirement for 3 units in infant and toddler care and development. 18 lecture hours.

CHLD 183
Infant and Toddler Caregiver: Learning and Development
1 Unit
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This is one of four one-unit classes in Infant and Toddler Caregiving based on the Responsive Caregiving approach. Students in this class will learn to recognize cues and to follow the child's interest in order to facilitate the infant's or toddler's discoveries and learning. Students will learn to base the curriculum on the child's interest and readiness. This class partially meets the licensing requirement for 3 units in infant and toddler care and development. 18 lecture hours.

CHLD 184
Infant and Toddler Caregiver: Environments and Routines
1 Unit
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This is one of four one-unit classes in Infant and Toddler Caregiving based on the Responsive Caregiving approach. Students in this class will learn to set up a safe, intimate, and interesting environment for infants and toddlers. They will also learn the techniques of responsive caregiving in daily routines. This class partially meets the licensing requirement for 6 units in infant and toddler care and development. 18 lecture hours.

CHLD 190
Administration of Early Childhood Education Programs I
3 Units
Grade Only
Prerequisite(s): CHLD 112 and CHLD 114. Also, CHLD 110 or CHLD 111 or PSY 206. Students who meet one of the following conditions may also qualify for this course: (1) Students who possess a California Child Development "Teacher" level permit on the statewide permit matrix. (2) Students with two years of work experience at the teacher level in early childhood education.
Introduction to the basic principles of administration of early childhood education programs. Includes specific topics of curriculum development and evaluation; staff selection, supervision and evaluation; laws and regulations; site development and supervision; budgeting and fiscal management; parent education; health and safety supervision; time management and problem solving techniques. This class meets state requirements for supervision of Title XXII preschool programs. 54 lecture hours.

CHLD 191
Administration of Early Childhood Education Programs II
3 Units
Grade Only
Prerequisite(s): CHLD 112, CHLD 114 and CHLD 116. Also, either PSY 206 or CHLD 110. Student may substitute other courses but must have 12+ units of child development.

Introduction to the policies and procedures specific to state funded programs. Includes Title V regulations, evaluation of programs utilizing the state mandated Program Quality Review, development of proposals and grant requests for state or other funding, process of promulgating regulations, affecting proposed regulations, staff development and training, development of program policies. 54 lecture hours.

CHLD 194
Personnel Issues in Adult Supervision and Mentoring
3 Units
Grade Only
Prerequisite(s): CHLD 156 and CHLD 156L.

This course addresses those personnel issues most often encountered by administrators of Early Childhood Education program including: policies and procedures for selection and supervision of staff; pre-service and in-service education; leadership and motivation; team building; conflict resolution; supervision and evaluation. 54 lecture hours.

Computer Information Systems
(Technology and Engineering Department)

The CIS program includes microcomputer applications and computer support of business organizations. The program offers state-of-the-art training in the use of business application software and hardware to prepare students for professional careers, transfer study, and/or personal use. Students receive hands-on training in laboratory facilities. Faculty mem-bers work with industry and business to ensure relevant training. CIS courses satisfy general education requirements for an associate degree, an associate degree in liberal arts with an emphasis in business technology, and lower division transfer.

CIS Information Systems Courses

CIS 099
Introduction to Windows and Personal Computers
2 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

This course covers computer literacy concepts. It provides an introduction to the personal computer via the Windows operating systems. The course prepares students to operate a computer using the Windows graphical user interface. It is designed for students with no previous computer experience. 36 lecture hours.

CIS 107
Information Systems and Applications
4 Units
Grade or Pass/ No Pass
Strongly Recommended: CIS 099. Also ENGL 099 if required by English placement exam or if required by English level.

This course covers essential concepts of information technology. Topics include computer hardware, software, programming concepts, network/Internet technologies, ethics and emerging technologies. 72 lecture hours. CSU; UC

CIS 109
Network and Computer Security
4 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

Covers basics of general security concepts, network security, communication security, infrastructure security. Business continuity, disaster recovery, planning and prevention will be covered. This course will lay the foundation for attendees to complete the CompTIA Security+ certification tests. 54 lecture hours, 54 lab hours.

CIS 119
Web Design Using HTML
3 Units
Grade or Pass/ No Pass
Strongly Recommended: CIS 099 or CIS 107. Also, ENGL 099 if required by English placement exam or if required by English level.

This course provides students with the skills needed to create web pages using the latest version of HTML. Students will also be introduced to CSS modeling and JavaScript to create custom web pages for personal and professional environments. The laboratory component provides the student with expanded first-hand experience in specific areas of course content. 54 lecture hours, 18 lab hours. CSU

CIS 130
Microcomputer Applications I
4 Units
Grade or Pass/ No Pass
Strongly Recommended: CIS 099.

Students will use the personal computer to learn an office suite, such as Microsoft Office, that includes word processing, electronic spreadsheets, database management systems, multimedia/presentation graphics, personal information management and an introduction to the Windows OS. This course prepares the student to take the Microsoft Office User Specialist certification exam. 72 lecture hours. CSU; UC
CIS 150
Web Development with Dreamweaver
3 Units
Grade or Pass/ No Pass
Strongly Recommended: CIS 099. This course is part of a series exploring the Macromedia Suite (Dreamweaver, Flash, Fireworks). This course introduces the basic features of Dreamweaver. Topics include: the Dreamweaver interface, CSS, HTML integration, images, tables, forms, and layers. 54 lecture hours.

CIS 154
Web Development with Fireworks
2 Units
Grade or Pass/ No Pass
Prerequisite(s): CIS 099 or CIS 107. Strongly Recommended: CIS 150. Also, ENGL 099 if required by English placement exam or if required by English level. This course is part of a series exploring the Macromedia Suite (Dreamweaver, Flash, Fireworks). This course introduces the basic features of Fireworks to create, modify, and export graphic objects to Web design software such as Dreamweaver. Topics include: the Fireworks workspace, vector/bitmap graphics, text enhancements, and building interactive graphics. 36 lecture hours.

CIS 156
Web Development with Flash
2 Units
Grade or Pass/ No Pass
Prerequisite(s): CIS 099 or CIS 107. Strongly Recommended: CIS 150. Also, ENGL 099 if required by English placement exam or if required by English level. This course is part of a series exploring the Macromedia Suite (Dreamweaver, Flash, Fireworks). This course introduces the basic features of Flash to create media-rich elements that integrate with Web pages. Topics include: the Flash interface, creating animations, adding buttons, actions, and sounds. 36 lecture hours.

CIS 162
Electronic Spreadsheets Using Microsoft Excel
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level. This course provides comprehensive instruction in the use of spreadsheet software to create, edit, store, retrieve, and print spreadsheets and charts. Topics include completing calculations, making decisions, organizing and graphing data, developing professional looking reports, publishing organized data to the Web, and accessing real-time data from Web sites. 54 lecture hours. CSU

CIS 230
Microcomputer Applications II - Advanced MS Office
4 Units
Grade or Pass/ No Pass
Strongly Recommended: CIS 130. A second course in the use of microcomputers for personal and professional productivity. Students will use the personal computer to learn Microsoft Office (i.e., Word, Excel, Access, & PowerPoint) at an advanced level. Covers the advantages of using integrated software over a single application. 72 lecture hours. CSU

Communications
(Language Arts Department)

Communications includes instruction in mass media and laboratory experiences in media arts and journalism. The program includes print journalism, publications, broadcasting, narrowcasting, podcasting, public relations, desktop publishing, film studies, reporting and writing news, multimedia reporting, and visual, digital, and mobile communications. Included in the communications program are critical and analytical thinking skills, sensitivity to cultural diversity, and ethical communication. Courses in communications satisfy general education requirements for the associate degree and lower division transfer and can be used to fulfill some of the requirements for an associate degree major in Language Arts. The program also offers a transfer degree.

COMM 100
Mass Media and Society
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level. A survey and evaluation of mass media in economic, historical, political, psychological, and sociological terms. Focuses on helping the media consumer understand the power and significance of mass communications: books, newspapers, magazines, radio, television, motion pictures, the Internet, public relations, and advertising. Discusses the rights and responsibilities and inter- relatedness of media in a diverse global society. Required for all communications and journalism majors; also a general interest course. 54 lecture hours. CSU; UC

COMM 101
Reporting and Writing News
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level. An introduction to defining, gathering, and writing the news. Stresses accuracy, objectivity, fairness, and balance. Practice in interviewing techniques, following rules of professional style, and writing basic news story structures for print, broadcast and online publications. Discussion of issues involving press rights and responsibilities, cultural sensitivity, taste, libel, and ethics. Required of all communication and journalism majors. 54 lecture hours. CSU

COMM 103
Freelance Journalism
1 Unit
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level. This course is designed to accommodate students who want to contribute to the campus newspaper, magazines and/or student publications websites but are unable to enroll in regular staff classes. Students who are interested in advertising, writing, photography, art, graphics and/or page design may participate in student publications to a limited extent through this class. 54 lab hours. CSU
COMM 104
Public Relations
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A survey of public relations history, theories, and practices with emphasis on applications to business, public agencies and institutions. A practical approach to using the media, creating publicity releases, organizing and executing campaigns. Explores job opportunities of particular interest to communications majors. 36 lecture hours. CSU

COMM 136
Cultural History of American Films
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
In considering the history of American commercial motion pictures from their origins to the present, students will study film language, the social composition of audiences, the economics of the film industry, major themes and genres that have appeared in American films, and the relationship between politics and American motion pictures. Meets IGETC fine arts requirement. 54 lecture hours. CSU; UC

COMM 200
Visual Communications
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An introduction to the history and various uses of visual media. Analysis of visual media with an emphasis on its evolution as mass media and impact on society. 54 lecture hours. CSU; UC

COMM 230
Desktop Publishing
3 Units
Grade or Pass/ No Pass
Strongly Recommended: COMM 101.
Computer instruction and practice. Analysis of story structures and effectiveness of written material, rewriting, correction of errors, proofreading, headline writing, news and picture evaluation, and page design. Hands-on experience working on student publications with the college newspaper and magazine staffs. 36 lecture hours, 54 lab hours. CSU

COMM 240A
Newspaper Production: Beginning Staff
3 Units
Grade Only
Strongly Recommended: COMM 101.
Also, ENGL 099 if required by English placement exam or if required by English level.
An introductory lecture/laboratory journalism course that produces the college newspaper, the Clarion and its website. Beginning staff members learn facts-based story telling techniques and modern news production skills. In collaboration with other publications classes, beginning staffers write, photograph, illustrate and edit news, features and opinions for publication for student media. 36 lecture hours, 54 lab hours. CSU

COMM 240B
Multimedia Newsroom: Intermediate Staff
3 Units
Grade Only
Prerequisite(s): COMM 240A.
Strongly Recommended: COMM 101.
Also, ENGL 099 if required by English placement exam or if required by English level.
A lecture/laboratory journalism course that produces the college newspaper, the Clarion, and website. Working in teams, and in collaboration with the other student publications classes, intermediate reporters produce news and feature story packages that may include a main article, sidebars, photos, charts and graphs, and/or illustrations for publication. 36 lecture hours, 54 lab hours. CSU

COMM 240C
Multimedia Newsroom: Senior Staff
3 Units
Grade Only
Prerequisite(s): COMM 240A.
Strongly Recommended: COMM 101 and COMM 240B.
Advanced level lecture/laboratory journalism course that produces the college newspaper, the Clarion, and website. Senior staffers learn and put into practice the “watchdog” function of journalism. Working in teams, and in collaboration with the other student publications classes, senior staffers produce in-depth, investigative and enterprise story packages that may include a main article, sidebars, photos, charts and graphs, and/or illustrations for publication. 36 lecture hours, 54 lab hours. CSU

COMM 240D
Multimedia Newsroom: Staff Leadership
3 Units
Grade Only
Prerequisite(s): COMM 240A.
Strongly Recommended: COMM 101, COMM 240B and COMM 240C.
Advanced level lecture/laboratory leadership training journalism course that produces the college newspaper, the Clarion, and website. Staff leaders serve as mentors, associate editors, and editor in chief to develop and guide less experienced students striving for journalism proficiency. Working in teams, and in collaboration with the other student publications classes, staff leaders produce story packages and special sections for publication as they advance toward professionalism. 36 lecture hours, 54 lab hours. CSU

COMM 245A
Editorial Board
2 Units
Grade Only
Strongly Recommended: COMM 101.
Also, ENGL 099 if required by English placement exam or if required by English level.
A study of the major aspects of editorial responsibilities. The course provides practical instruction and experience for campus editors in writing, editing, and evaluating editorials in student media, as well as formulating editorial policy. 36 lecture hours. CSU

COMM 250
Multimedia Reporting
3 Units
Grade Only
Strongly Recommended: COMM 101.
Also, ENGL 099 if required by English placement exam or if required by English level.
This convergence journalism course incorporates print and broadcast techniques to produce multimedia pieces for the web. This includes multimedia storytelling incorporating writing, digital photography, shooting and editing video, and recording and editing sound. 54 lecture hours. CSU
COMM 280
Magazine Production Staff
3 Units
Grade Only
Strongly Recommended: COMM 101. A lecture/laboratory course in which the organization, formula, format, and production methods of paper and/or digital magazines are studied and applied in the development of a college magazine. Activities include writing and editing stories, video and/or still photography, art, layout, and production as a paper-based or digital publication. 36 lecture hours, 54 lab hours. CSU

Cosmetology Courses

COS 141
Introduction to Cosmetology
11 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This is the introductory course for students majoring in cosmetology. The course includes the exploration of a variety of subjects including hairstyling, skin care, nail care, hair coloring, chemical texturizing and practical experience in cosmetology. 144 lecture hours, 144 lab hours.

COS 151
Business Fundamentals and Licensing Preparation
4.5 Units
Grade Only
Prerequisite(s): COS 141.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A continuation of the study of professional ethics, client building skills and State Board rules and regulations from COS 141. Lecture, demonstration and practical experience in the following areas: communication, character building, goal setting, client retention and public safety. 60 lecture hours, 84 lab hours.

COS 161
Haircolor
8 Units
Grade Only
Prerequisite(s): COS 141.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A continuation of the science, theory, professional haircoloring techniques, and procedures following COS 141. Lectures, demonstrations, and practical experience in the following areas: advanced hair coloring procedures, advanced lightening procedures, specialized color application, and corrective haircolor. 80 lecture hours, 208 lab hours.

COS 167
Cosmetology Licensure Preparation
2 Units
Pass/ No Pass
Prerequisite: Minimum 1000 course hours earned or valid cosmetology license from another state.
This course will focus on preparing students for the California State Board Examination. Emphasis on consumer safety, sanitary practice, state board skills and procedures. 36 lecture hours, 36 lab hours.

COS 172A
Hair Design I
4 Units
Grade Only
Prerequisite(s): COS 161B and COS 181B.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A continuation of the science and theory of professional hairstyling techniques and procedures completed in COS 141. Lectures, demonstrations and practical experience in the following areas: wet hairstyling, thermal styling and long hair design. Part one of a two-part course. 40 lecture hours, 104 lab hours.

COS 172B
Hair Design II
4 Units
Grade Only
Prerequisite(s): COS 158 or COS 172A.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A continuation of the science and theory of professional hairstyling techniques and procedures following COS 172A. Lectures, demonstrations, and practical experience in the following areas: Hair care, scalp diseases/ disorders, advanced wet/thermal hairstyling, advanced long hair design, and creative artistry in hair design. Part two of a two-part course. 40 lecture hours, 104 lab hours.

COS 178A
Chemical Texturizing I
4 Units
Grade Only
Prerequisite(s): COS 161B and COS 181B.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A continuation of the science and theory of professional permanent waving and straightening techniques and procedures introduced in Cosmetology 141. Lectures, demonstrations, and practical experience in the following areas: permanent waving, chemical hair straightening and the chemistry of products. Part one of a two-part course. 40 lecture hours, 104 lab hours.
A continuation of the theory of professional hairstyling techniques and procedures introduced in COS 178A. Lectures, demonstrations and practical experience in the following areas: hair reformation, trichology, scalp and chemical procedures and treatments. Part two of a two-part course. 40 lecture hours, 104 lab hours.

COS 181
Haircutting
4 Units
Grade Only
Prerequisite(s): COS 141.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A continuation of the theory of professional haircutting techniques and procedures introduced in COS 141. Lectures, demonstrations and practical experience in the following areas: ladies haircutting, professional haircutting techniques and procedures introduced in COS 178A. Lectures, demonstrations and practical experience in the following areas: anatomy and physiology, scalp diseases and disorders, hair removal, electricity and electrical modalities for facials/skin care and facial treatments. 40 lecture hours, 104 lab hours.

COS 182
Skincare
4 Units
Grade Only
Prerequisite(s): COS 140. Also, COS 141 or concurrent enrollment.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A continuation of the science and theory of professional skincare, make-up techniques and procedures introduced in COS 141. Lectures, demonstrations and practical experience in the following areas: anatomy and physiology, skin diseases and disorder, hair removal, electricity and electrical modalities for facials/skin care and facial treatments. 40 lecture hours, 104 lab hours.

COS 183
Nail Care
4 Units
Grade Only
Prerequisite(s): COS 140. Also, COS 141 or concurrent enrollment.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A continuation of the science and theory of professional nail care techniques and procedures introduced in COS 141. Lectures, demonstrations and practical experience in the following areas: natural nail care, artificial nail enhancements, products, procedures and safety measures for the professional cosmetologist. 40 lecture hours, 104 lab hours.

COS 185
Skin and Nail Care
9 Units
Grade Only
Prerequisite(s): COS 141.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A continuation of the science and theory of professional skin and nail care introduced in COS 141. Lectures, demonstrations and practical experience in the following areas: facial treatments, electricity, anatomy, hair removal, nail treatments, nail enhancements and products. 120 lecture hours, 168 lab hours.

COS 191
Hair Design
8 Units
Grade Only
Prerequisite(s): COS 141.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A continuation of the science and theory of professional hairstyling techniques and procedures introduced in COS 141. Lectures, demonstrations and practical experience in the following areas: hair care, set design, thermal styling, long hair design and creative artistry in hair design. 80 lecture hours, 208 lab hours.

COS 199 A
Esthetician I
8 Units
Grade Only
Prerequisite(s): COS 141.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An introductory course of skin care treatments, hair removal, make-up application, anatomy and physiology. This course also includes massage techniques, sanitation and disinfecting, disease and disorders of the skin, cosmetic chemistry, electrical current and modalities for skin care. The course focuses on the basic skills required to achieve a State Board License. Phase one of a three-part course. 72 lecture hours, 216 lab hours.

COS 199 B
Esthetician II
8 Units
Grade Only
Prerequisite(s): COS 165 or COS 199 A.
A course phase two of the esthetician program. A basic course which includes state board preparedness, customized facial treatments, the psychology of services, make-up artistry, color coordination, product knowledge and aromatherapy. Must be completed before entering phase three, “Salon Fundamentals.” 72 lecture hours, 216 lab hours.

COS 199 C
Esthetician Salon Success
3 Units
Grade Only
Prerequisite(s): COS 199 B.
This is the final phase in the completion of the esthetician program. This course provides students with basic salon management skills, sales, and client retention, as well as information required
to pass the licensed exams. Students will focus on personal satisfaction and skilled habits to ensure success in the industry. 36 lecture hours, 79 lab hours.

**COS 201**
**Texture**
**8 Units**
**Grade Only**

Prerequisite(s): COS 141. Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

A continuation of the science and theory of professional permanent waving and straightening procedures introduced in COS 141. Lectures, demonstrations and practical experience in the following areas: chemical hair reformation techniques, treatments and formulations. 80 lecture hours, 208 lab hours.

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### Counseling (Counseling Department)

The Counseling Program offers specially designed curriculum to meet the broad psycho-social needs of our diverse student population. Counseling courses provide a gateway to understanding the programs and services offered at Citrus College. Course curriculum addresses the issues of transition to college, educational planning, college success, transfer, career exploration and decision making, student responsibility, and educational goal setting.

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#### Counseling Courses

**COUN 101**
**Career Self-Assessment**
**1 Unit**
**Grade or Pass/No Pass**

In this course the student will learn to appraise their self-esteem, values, skills and personality, and understand the implication of these factors in the selection of a vocational/educational goal. 18 lecture hours. CSU

**COUN 102**
**Career Research**
**1 Unit**
**Grade or Pass/No Pass**

Research is a necessary component to career decision-making. In this course the student will develop an understanding of a wide assortment of career information resources, both written and computer assisted. The focus of this course is to introduce the student to the use of the most recent career related technologies. 18 lecture hours. CSU

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**COUN 145**
**Career/Life Planning**
**3 Units**
**Grade or Pass/No Pass**

Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

A course in helping students transition to college life. Students will receive practical information about college services, effective study habits, and individual educational planning. Emphasis is on college and career decisions as catalysts for growth. 18 lecture hours. CSU

**COUN 156**
**College Planning Today for Tomorrow**
**1 Unit**
**Grade or Pass/No Pass**

Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

A course in helping students transition to college life. Students will receive practical information about college services, effective study habits, and individual educational planning. Emphasis is on college and career decisions as catalysts for growth. 18 lecture hours. CSU

**COUN 158**
**Transfer Planning**
**1 Unit**
**Grade or Pass/No Pass**

Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

This course provides in-depth information and assistance with the transfer process to four-year colleges/universities. It is designed to enable students to actively participate in planning their educational and career goals by providing information about the process and requirements for transferring from a community college to a university. Lower division major and general education requirements, college/university selection, admission procedures, application deadlines, financial aid and scholarship information are covered. 18 lecture hours. CSU

**COUN 159**
**On Course to Success**
**3 Units**
**Grade or Pass/No Pass**

Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

The subject of this course is SUCCESS... what success is for you personally and how you can achieve it. Students will learn many proven strategies for creating greater academic, professional, and personal success. Guided journal writings will be used to explore these strategies, and as a bonus, students will learn to express themselves more effectively in writing. This course will help students discover how to create a rich, personally fulfilling life. Students are urged to make the most of this course in order to dramatically change the outcome of their lives for the better. 54 lecture hours. CSU

**COUN 160**
**Strategies for College Success**
**3 Units**
**Grade Only**

Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

A course designed to give students the opportunity to create and change their habits and vision in order to have a rich, full, and rewarding scholastic life through adoption of positive attitude and critical thinking techniques. The course integrates the intellectual, physiological, social, and psychological aspects of being a college student. Learning strategies will be introduced that can be immediately and continuously applied so that students leave the course with confidence, enthusiasm, and a passion to succeed. 54 lecture hours. CSU; UC

**COUN 161**
**Higher Education Transitional Skills for Student Veterans/Families**
**3 Units**
**Grade or Pass/No Pass**

Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

A course designed to assist veterans in re-integrating to civilian life using physiological, social and psychological aspects of being a student. This course is also designed to give the veteran student the opportunity to create and change their habits and vision in order to have a rich, full, and rewarding scholastic life through adoption of positive attitude and critical
thinking techniques. The course will introduce strategies to increase self-awareness, build confidence, develop leadership and gain informational tools to help achieve successful habits and implement study skills addressing the veteran student's needs. It will provide an essential opportunity to acquire skills applicable to the student's academic program, family life, and employability which will support transition. 54 lecture hours. CSU; UC

COUN 200
Educational Planning for Student Success
1 Unit
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An orientation to Citrus College that includes programs, services, policies, degrees, certificates, transfer requirements, and college culture. Focus will be on strategies needed for academic success and the development of a Comprehensive Educational Plan. 18 lecture hours. CSU

Computer Science Courses

The Computer Science Department is a program designed for students who are developing computer programming skills in preparation to transfer to a four-year college or university. These courses meet the needs of students at various levels of competence, from the novice to the expert by fostering the student's ability to solve computer science problems. This program presents the latest methods of computer science that are implemented in solving problems of science, industry and government while also preparing students for additional formal education in this rapidly changing field.

CS 111
Introduction to Programming Concepts and Design
4 Units
Grade or Pass/ No Pass
Strongly Recommended: CIS 107. Also, ENGL 099 if required by English placement exam or if required by English level.
An introduction to the principles of computer programming and software development. Topics covered include the program development cycle, developing algorithms, data and control structures, structured programming, and object-oriented programming. Data types, expressions, control structures, functions, file and stream I/O, and structured and abstract data types are introduced in this course. Microsoft's Visual Studio will be used to help illustrate programming concepts common to modern high-level programming languages. 72 lecture hours. CSU; UC

CS 225
Object Oriented Programming
3 Units
Grade Only
Strongly Recommended: MATH 150 and CS 111.
This course introduces the discipline of computer science using a high level language utilizing programming and practical hands-on problem solving. Topics include the use of functions and parameter passing, simple I/O, control structures, user-defined data types, arrays, searching and sorting, algorithms and debugging strategies, data abstraction, concept of types and software development methods. 54 lecture hours, 18 lab hours. CSU; UC

CS 232
Programming Concepts and Methodology II
3 Units
Grade Only
Prerequisite(s): CS 225.
Application of software engineering techniques to the design and development of large programs; data abstraction and structures and associated algorithms. 54 lecture hours, 18 lab hours. CSU; UC (pending)

CS 242
Computer Architecture and Organization
3 Units
Grade Only
Prerequisite(s): CS 225.
The organization and behavior of real computer systems at the assembly-language level. The mapping of statements and constructs in a high-level language onto sequences of machine instructions is studied, as well as the internal representation of simple data types and structures. Numerical computation is examined, noting the various data representation errors and potential procedural errors. 54 lecture hours. CSU; UC

CS 252
Discrete Structures
3 Units
Grade Only
Strongly Recommended: CS 225.
This course is an introduction to the discrete structures used in Computer Science with an emphasis on their applications. Topics covered include: Functions, Relations and Sets; Basic Logic; Proof Techniques; Basics of Counting; Graphs and Trees; and Discrete Probability. 54 lecture hours. CSU; UC (pending)

Dance

(Performing Arts Department)

Important Information About Dance Course Descriptions

Dance courses are now grouped together as course “families.” Students are allowed to take only four courses from each “family.” All grades received, including F, WD, and NC grades count towards the four courses.

The Dance course families are listed as follows.

Tap
DANC 159 - Beginning Tap
DANC 259 - Intermediate Tap I
DANC 269 - Intermediate Tap II
DANC 279 - Advanced Tap

Jazz
DANC 160 - Jazz Dance Techniques
DANC 260 - Intermediate Jazz Dance I
DANC 270 - Intermediate Jazz Dance II
DANC 281 - Advanced Jazz Dance I

Ballet
DANC 162 - Beginning Ballet
DANC 262 - Intermediate Ballet I
DANC 272 - Intermediate Ballet II
DANC 292 - Advanced Ballet I

Modern
DANC 161 - Beginning Modern Dance
DANC 261 - Intermediate Modern Dance I
DANC 271 - Intermediate Modern Dance II

Alignment/ Correctives
DANC 130 - Alignment/Correctives
DANCE Courses
(See Also Music)

### Introduction/ Hip Hop

- **DANC 103**: Introduction to Dance Techniques
- **DANC 158**: Beginning Hip Hop Dance Techniques
- **DANC 258**: Intermediate Hip Hop Dance

### Musical Theatre Dance

- **DANCE 263**: Dance for Musical Theatre
- **DANCE 263A**: Dance for Musical Theatre-Intermediate
- **DANCE 265A**: Musical Staging: Rehearsal and Performance-Beginning
- **DANCE 265B**: Musical Staging: Rehearsal and Performance-Intermediate

### Popular Dance

- **DANC 264**: Beginning Popular Dance Techniques
- **DANC 266**: Pop Dance: Rehearsal and Performance
- **DANC 284**: Intermediate Popular Dance
- **DANC 296**: Pop Dance: Rehearsal and Performance Choreography and Production

### Choreography and Production

- **DANC 172**: Composition in Group Forms
- **DANC 289**: Dance Concert Production

### Dance Courses

#### DANC 102

**History of Dance**

- **3 Units**
- **Grade or Pass/ No Pass**
- A survey of dance from tribal, ethnic, and folk dance forms including Renaissance Europe, Louis XIV, the Golden Age of Ballet, and the Diaghilev Era, concluding with 20th Century dance including jazz, African-American influences, neo-classical ballet, modern, hip-hop and world dance. 54 lecture hours. CSU; UC

#### DANC 103

**Introduction to Dance**

- **1 Unit**
- **Grade or Pass/ No Pass**
- An introduction to dance as an art form through lecture and activity. The student will experience historical and contemporary dance forms, such as ballet, modern jazz, hip hop, and tap. This is the prerequisite course for all beginning level technique classes. 18 lecture hours, 18 lab hours. CSU; UC

#### DANC 130

**Alignment and Correctives**

- **2 Units**
- **Grade or Pass/ No Pass**
- A class for non-dancers and dancers seeking an introduction to the structural aspects that affect movement and gait. Lectures include biomechanical and neuromuscular aspects of the body. Practical hours include in-depth study of Pilates mat techniques and Gyro-kinesis. 36 lecture hours, 18 lab hours. CSU; UC

#### DANC 158

**Beginning Hip-Hop Dance Techniques**

- **1 Unit**
- **Grade or Pass/ No Pass**
- **Prerequisite(s): DANC 103 or Audition.**
- A survey of the basic skills of hip-hop dance technique and history. This class provides basic technique, warm-ups, stretching, body control and stamina progressing to hip-hop dance combinations. This class prepares students specifically for occupational dance performance techniques in the hip-hop commercial dance industry. 18 lecture hours, 18 lab hours. CSU; UC

#### DANC 159

**Beginning Tap**

- **1 Unit**
- **Grade or Pass/ No Pass**
- **Prerequisite(s): DANC 103 or Audition.**
- Designed to instruct students in the dance technique of beginning tap. 18 lecture hours, 18 lab hours. CSU; UC

#### DANC 160

**Jazz Dance Techniques**

- **1 Unit**
- **Grade or Pass/ No Pass**
- **Prerequisite(s): DANC 103 or Audition.**
- A survey of the beginning level skills in jazz movement. This class provides basic technique and practice, warm-ups, stretching, body control, and the building of stamina and strength progressing to dance combinations. 18 lecture hours, 18 lab hours. CSU; UC

#### DANC 161

**Beginning Modern Dance**

- **1 Unit**
- **Grade or Pass/ No Pass**
- The study of dance through varied individual and group experiences in Beginning Modern Dance, with emphasis on increasing the individual’s ability to use movement creatively. 18 lecture hours, 18 lab hours. CSU; UC

#### DANC 162

**Beginning Ballet**

- **1 Unit**
- **Grade or Pass/ No Pass**
- **Prerequisite(s): DANC 103 or Audition.**
- Designed to instruct students in the beginning level dance technique of classical ballet. Ballet barre, center floor and historical context of classical ballet are covered. 18 lecture hours, 18 lab hours. CSU; UC

#### DANC 172

**Composition in Group Forms**

- **2 Units**
- **Grade or Pass/ No Pass**
- **Prerequisite(s): DANC 162 or DANC 160 or DANC 161 or Audition.**
- A practical course guiding the student in choreographic structure, designed specifically for group forms. All movement exploration will be on the basis of ballet, jazz or modern dance technique. 18 lecture hours, 54 lab hours. CSU; UC

#### DANC 258

**Intermediate Hip-Hop Dance**

- **1 Unit**
- **Grade or Pass/ No Pass**
- **Prerequisite(s): DANC 158.**
- A survey of the intermediate level skills of hip-hop dance technique and history. This class provides intermediate level technique, warm-ups, stretching, body control and stamina progressing through hip-hop dance combinations. This class prepares students specifically for occupational dance performance techniques in the hip-hop commercial dance industry. 18 lecture hours, 18 lab hours. CSU; UC

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DANC 259
Intermediate Tap I
1 Unit
Grade or Pass/No Pass
Prerequisite(s): DANC 159 or Audition.
Designed to instruct students in the intermediate dance technique of tap. More study of the positions and combinations of tap. 18 lecture hours, 18 lab hours. CSU; UC

DANC 260
Intermediate Jazz Dance I
1 Unit
Grade or Pass/No Pass
Prerequisite(s): DANC 160 or Audition.
Development of the techniques necessary to execute modern jazz dance. This class is designed to further develop the techniques of the student with intermediate instruction in stretching, body control, strength, stamina more challenging dance combinations and progression of personal style. 18 lecture hours, 18 lab hours. CSU; UC

DANC 261
Intermediate Modern Dance I
1 Unit
Grade or Pass/No Pass
Prerequisite(s): DANC 161 or Audition.
A continuing study of modern dance with more in-depth instruction in the technique and creative elements of the dance form, including individual and group in-class projects. 18 lecture hours, 18 lab hours. CSU; UC

DANC 262
Intermediate Ballet I
1 Unit
Grade or Pass/No Pass
Prerequisite(s): DANC 162 or Audition.
Designed to instruct students in the intermediate dance technique of classical ballet. A more in-depth study of the positions and combinations of ballet. 18 lecture hours, 18 lab hours. CSU; UC

DANC 263A
Dance for Musical Theatre- Beginning
4 Units
Grade or Pass/No Pass
Prerequisite(s): Audition.
This course is an in-depth performance experience focusing on styles of body movement for Musical Theatre stage productions. The fundamentals of dance will be reviewed, including beginning ballet positions and exercises and beginning tap. Concepts of the history of dance in musical stage will also be explored. 36 lecture hours, 108 lab hours. CSU; UC

DANC 263B
Dance for Musical Theatre- Intermediate
4 Units
Grade or Pass/No Pass
Prerequisite(s): DANC 263A or Audition.
This course is an in-depth performance experience focusing on styles of body movement for Musical Theatre stage productions at the intermediate level. The fundamentals of dance will be reviewed, progressing to intermediate ballet positions as well as intermediate jazz, tap and musical theatre terminology. Concepts of the history of dance in musical stage will also be explored in greater detail. 36 lecture hours, 108 lab hours. CSU; UC (pending)

DANC 264
Beginning Popular Dance Techniques
4 Units
Grade or Pass/No Pass
Prerequisite(s): DANC 263A or Audition.
This course is an in-depth performance experience focusing on beginning level popular dance styles. The fundamentals of dance will be reviewed, and a focus on modern dance styles and techniques will be explored. Concepts of commercial dance techniques for videos and pop stage will also be studied. 36 lecture hours, 126 lab hours. CSU; UC

DANC 265A
Musical Staging: Rehearsal and Performance- Beginning
2 Units
Grade or Pass/No Pass
Prerequisite(s): Audition.
Special rehearsal and public performance in musical staging above and beyond normal class expectations- intermediate level. 18 lecture hours, 54 lab hours. CSU; UC (pending)

DANC 265B
Musical Staging: Rehearsal and Performance- Intermediate
2 Units
Grade or Pass/No Pass
Prerequisite(s): DANC 265A or Audition.
Special rehearsal and public performance in musical staging above and beyond normal class expectations- intermediate level. 18 lecture hours, 54 lab hours. CSU; UC (pending)

DANC 266
Pop Dance: Rehearsal and Performance- Beginning
2 Units
Grade or Pass/No Pass
Prerequisite(s): Audition.
A more in-depth study of students’ abilities and techniques in tap dance progressing from the intermediate to advanced level. Increased emphasis on style, speed and accuracy of sounds. 18 lecture hours, 18 lab hours. CSU; UC

DANC 269
Intermediate Tap II
1 Unit
Grade or Pass/No Pass
Prerequisite(s): DANC 259 or Audition.
A more advanced study of students’ abilities and techniques in tap dance and instruction in individual body control, strength, stamina, style, and line. 18 lecture hours, 18 lab hours. CSU; UC

DANC 270
Intermediate Jazz Dance II
1 Unit
Grade or Pass/No Pass
Prerequisite(s): DANC 260 or Audition.
A more advanced study of modern dance through varied individual and group experiences. Includes more complicated exercises and combinations with emphasis on the individual’s use of creative
movement. 18 lecture hours, 18 lab hours. CSU; UC

**DANC 272**  
Intermediate Ballet I  
1 Unit  
Grade or Pass/ No Pass  
Prerequisite(s): DANC 262 or Audition.  
A course in the advanced techniques of classical ballet for the purpose of performance. A more in-depth study of movement vocabulary centered on individual style, strength, and technique. 18 lecture hours, 18 lab hours. CSU; UC

**DANC 279**  
Advanced Tap I  
1 Unit  
Grade or Pass/ No Pass  
Prerequisite(s): DANC 269 or Audition.  
An advanced study of students’ abilities and techniques in tap dance. Increased emphasis on style, speed and accuracy of sounds. 18 lecture hours, 18 lab hours. CSU; UC

**DANC 281**  
Advanced Jazz Dance I  
1 Unit  
Grade or Pass/ No Pass  
Prerequisite(s): DANC 270 or Audition.  
Designed to instruct students in the advanced techniques of advanced jazz dance for the purpose of performance. More challenging dance combinations and instruction in individual body control, strength, stamina, style, and line. 18 lecture hours, 18 lab hours. CSU; UC

**DANC 284**  
Intermediate Popular Dance Techniques  
4 Units  
Grade or Pass/ No Pass  
Prerequisite(s): DANC 264 or Audition.  
This course is an in-depth performance experience focusing on intermediate level popular dance styles. The fundamentals of dance will be reviewed, and a focus on modern dance styles and techniques will be explored. Concepts of commercial dance techniques for videos and pop stage will also be studied. 36 lecture hours, 126 lab hours. CSU; UC

**DANC 289**  
Dance Concert Production  
3 Units  
Grade or Pass/ No Pass  
Prerequisite(s): Audition.  
Live dance concert production. Students will function as dance members in a fully produced dance production. The course is also open to all qualified students who wish to participate in production. 36 lecture hours, 72 lab hours. CSU; UC

**DANC 292**  
Advanced Ballet I  
1 Unit  
Grade or Pass/ No Pass  
Prerequisite(s): DANC 272.  
A course in the upper advanced techniques of classical ballet for the purpose of performance level technique and strength. An intense study of movement vocabulary centered on individual style, strength, and technique. 18 lecture hours, 18 lab hours. CSU; UC

**DANC 296**  
Pop Dance: Rehearsal and Performance- Intermediate  
2 Units  
Grade or Pass/ No Pass  
Prerequisite(s): DANC 266.  
Special rehearsal and public performance above and beyond normal class expectations- intermediate level. 18 lecture hours, 54 lab hours. CSU; UC

**Dental**  
(Health Sciences Department)

The Registered Dental Assisting Program prepares students for a career in dentistry. Students begin with classroom and laboratory instruction, which includes the use of dental materials, assisting at the chair/instrumentation, anatomy of the mouth and teeth, infection control and duties of the DA and RDA. Students have direct patient contact during Radiology, Coronal Polishing, Sealants and two rotations totaling 300 hours in a local dental office.

Students who complete the program earn a Certificate of Completion and can apply 18 units toward an A.S. Degree in Dental Assisting. They will also earn Radiation Safety, Coronal Polishing, and Pit & Fissure Sealant Certificates and are eligible to take the California Licensing Examination (RDA) and the National Certification Exam (CDA).

Both the Dental Board of California and the Commission on Dental Accreditation accredit the program.

**Dental Assisting Courses**

**DENT 99**  
Introduction to Dental Assisting  
1 Unit  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
Open to anyone wanting to explore the possibilities of a career in dental assisting and/or dentistry. This class emphasizes introductory information and skills common to a dental assistant. Includes active learning and hands-on activities. 18 lecture hours, 9 lab hours.

**DENT 100**  
Dental Assisting Basics  
2.5 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
This course will give the beginning dental assisting student a foundational knowledge of basic terminology, structures of the oral cavity, tooth morphology, tissues of the teeth, charting, and oral health care. The student will be oriented to the profession of dentistry in terms of governing bodies, professional organizations, ethics and jurisprudence. 45 lecture hours.

**DENT 101**  
Chairside Assisting  
3 Units  
Grade Only  
Prerequisite(s): DENT 100 or concurrent enrollment.  
This lecture/lab course provides preclinical instruction in four-handed dentistry techniques and prepares the student to assist a dentist at chairside. Content includes: the use and care of dental equipment, oral evacuation, instrument transfer, tray setups, infection control, preparation of anesthetic syringe, rubber dam, tofflemire matrix, cavity preparation, and rotary and hand instruments. Emphasis is placed on the responsibilities of a chairside dental assistant during general restorative procedures. 45 lecture hours, 72 lab hours.
DENT 102
Dental Materials
2.5 Units
Grade Only
Prerequisite(s): DENT 100 or concurrent enrollment.
This course presents the basic physical and technical aspects of dental materials utilized in restorative and laboratory dental procedures. It is designed to develop the manipulative skills necessary for the application of these materials. 36 lecture hours, 54 lab hours.

DENT 121
Preclinical Dental Science
2 Units
Grade Only
Prerequisite(s): DENT 100 or concurrent enrollment.
The study of the basic structure and function of the human anatomy as it relates to the oral cavity. This course provides instruction on oral histology and embryology, head and neck anatomy, and oral pathology with emphasis on their relationship to and effect on dental treatment. 36 lecture hours.

DENT 122
Infection Control in the Dental Office
1.5 Units
Grade Only
Prerequisite(s): DENT 100 or concurrent enrollment.
This course is designed to prepare the dental assistant in the prevention of disease transmission in the work environment. Emphasis is placed on knowledge of the infectious disease process, use of barriers, sterilization, disinfection, OSHA requirements, and the concept of standard precautions. 27 lecture hours.

DENT 123
Preventive Dental Health
2 Units
Grade Only
Prerequisite(s): DENT 100 or concurrent enrollment.
Fundamental skills involved in assessing the dental patient’s health, the effect on dental treatment and the adjustments to dental treatment needed to protect the physical welfare of the patient. This class provides instruction on health history, vital signs, recognition and management of medical emergencies, nutrition, and pharmacology. 36 lecture hours.

DENT 124
Dental Specialties
2 Units
Grade Only
Prerequisite(s): DENT 100 or concurrent enrollment.
The scope of this course includes instruction in the fundamental principles, instrumentation and procedures of various dental specialties with emphasis on the role of the auxiliary in each specialty. 36 lecture hours.

DENT 125
Dental Practice Management
2 Units
Grade Only
Prerequisite(s): DENT 100 and DENT 101 and/or DENT 102.
This course is designed to provide instruction in the application of skills and responsibilities of a business assistant in a dental practice. Fundamentals in basic bookkeeping procedures, communication skills, appointment scheduling, dental insurance, records management, employment preparation, and banking/financial procedures. Instruction includes integration of material through lecture, practical experience and the use of computers. 36 lecture hours, 9 lab hours.

DENT 201
Dental Radiology
2 Units
Grade Only
Prerequisite(s): DENT 100 and DENT 101 and/or DENT 102.
This course encompasses the preclinical and clinical instruction in radiation safety, exposing, processing and mounting of radiographs utilizing traditional and digital methods. Student must be 18 years of age or older. 18 lecture hours, 54 lab hours.

DENT 202
Registered Dental Assistant
4 Units
Grade Only
Prerequisite(s): DENT 101, DENT 102, DENT 121, DENT 122, DENT 123 and DENT 124.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level. This course provides preclinical and, where appropriate, clinical practice in functions delegated to the dental assistant and the registered dental assistant under the jurisdiction of the California Dental Practice Act as specified by the rules and regulations of the Board of Dental Examiners. Emphasis is placed on the practical application of each task, competency of performance, demonstrated concern for patient safety, and an acquired background knowledge to support each duty. 60 lecture hours, 81 lab hours.

DENT 203
Dental Practical Experience
5.5 Units
Pass/No Pass
Prerequisite(s): DENT 122, DENT 124 and DENT 201.
This course provides the student with the opportunity for application and performance of acquired knowledge and skills while assuming the role of a chairside assistant in a dental school setting or private dental office. Offered for Pass/No Pass grading only. 300 lab hours.

DENT 204
RDA Clinical Procedures
1 Unit
Grade Only
Prerequisite(s): DENT 101, DENT 102, DENT 121 and DENT 123. Also DENT 203 or concurrent enrollment.
Students must complete 180 hours of rotation in general dentistry during DENT 203 prior to starting this class. This course covers those duties requiring clinical competence for the RDA: coronal polishing, pit & fissure sealants and mouth mirror inspection. 12 lecture hours, 28 lab hours.

Drafting Technology
(Technology & Engineering Department)
Drafting and Design Technology, a career technical and transfer program, uses hands-on experiences to prepare students for entry-level employment or advancement that requires graphic communications, including sketches, mechanical drawings, computer-aided design, and illustrations. Drafting and Design Technology courses fulfill lower division requirements for transfer majors in architecture, electronics, engineering, and architecture and lead to an associate degree in Drafting and Design Technology and certificates of achievement in Drafting and Design Technology; Computer Aided Design (CAD)—Architecture and Drafting Technology; Architectural Design; Computer Generated Imagery (CGI).
Drafting Courses

DRAF 101
Beginning Computer Aided Design (CAD)
3 Units
Grade Only
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*
A basic course for pre-engineering, pre-architecture, and other students who have no previous Computer Aided Design (CAD) and mechanical drawing experience. 36 lecture hours, 72 lab hours. CSU

DRAF 102
Visual Communication
2.5 Units
Grade Only
*Strongly Recommended: DRAF 101.*
Visual communication of axonometric, oblique, and one, and two-point perspective drawings. Natural and man-made forms are analyzed. Color and texture of form are studied as they are revealed by light, shade, and shadow. Students' perceptions of subject matter are translated into convincing visual expressions by learning the graphic skills and the use of a variety of media. Students sketch, draw, and render projects. 36 lecture hours, 36 lab hours. CSU

DRAF 103
Advanced Engineering Drawing
3 Units
Grade Only
*Prerequisite(s): DRAF 101 or one year high school mechanical drafting.*
Covers the application of the latest industrial design standards of orthographic projection and dimensioning specifications in the production of mechanical items and assemblies. Advanced problems in instrumental drawing, lettering, geometric construction, multi-view projections, sections, auxiliary views and descriptive geometry. 36 lecture hours, 72 lab hours. CSU

DRAF 160
Intermediate Computer Aided Design (CAD)
2.5 Units
Grade Only
*Strongly Recommended: DRAF 101 or one year of high school drafting or industry drafting experience.*
An intermediate course in which the CAD system is applied to special problems in design. Techniques in creating symbol libraries are explored. Proper and efficient methods of producing plan views, sections, details and elevations are introduced along with dimensioning fundamentals and sheet layout. 36 lecture hours, 36 lab hours. CSU

DRAF 161
Advanced Computer Aided Design (CAD)
2.5 Units
Grade Only
*Prerequisite(s): DRAF 160.*
*Strongly Recommended: DRAF 101.*
An advanced Computer Aided Design (CAD) course developing 2D and 3D design projects. 36 lecture hours, 36 lab hours. CSU

DRAF 198
Special Problems
1 Unit
Grade Only
*Prerequisite(s): DRAF 101 or one year of High School drafting or industry drafting experience.*
Supervised projects in specialized topics, perspective, site or model making to meet the needs of students preparing portfolios or for specific job training. 54 lab hours. CSU

DRAF 290
Introduction to Maya Practices
3 Units
Grade Only
*Strongly Recommended: DRAF 160 or DRAF 161 or Digital Art classes.*
Introduction to modeling, animation and rendering using Maya with a focus on establishing a working knowledge of Maya’s animation tools and techniques, this course builds a solid foundation for developing character animation and special effects sequences. The course uses the two different sections of the Learning Maya tutorial book to provide the student with an overview of the Maya environment and how it can be applied to their work. 36 lecture hours, 54 lab hours. CSU

DRAF 291
Learning Maya Transitions
3 Units
Grade Only
*Prerequisite(s): DRAF 290.*
Explores how modeling, animating and rendering using CAD, and other 3D interfaces transition into Maya. This course builds an advanced foundation using animation and special effects. The course uses the two different sections of the Learning Maya Transitions book to provide the student with an overview of the Maya environment and how it can be applied to their work. 36 lecture hours, 54 lab hours. CSU

Disabled Student Programs & Services
(Counseling Department)

DSPS courses are non-degree-applicable credit courses that provide specialized instruction to teach students with disabilities strategies to compensate for their disability-related educational limitations. The courses, offered as funded allows, are in laboratory and lecture modes and are graded pass/no pass.

Disabled Student Courses

DSPS 085
E-Text Basics
1 Unit
Pass/ No Pass
The course is designed to teach students with text disabilities to access and effectively utilize electronic text (e-text). Offered for Pass/No Pass grading only. 18 lecture hours.
DPS 103L
Technical Assistance Lab: Adaptive Computer Technology
1 Unit
Pass/ No Pass
Specialized instruction designed for students with disabilities who require adaptive computer technologies to effectively access the computer. Students will become empowered through the use of individualized learning materials, adaptive computer technology, and compensatory strategies intended to lessen the impact of the disability for achieving success in college. 54 lab hours.

Economics
(Social Sciences Department)

Economics, with applications in both business and the social sciences, examines the production, distribution, and consumption of goods and services as well as the theory and management of economies and how the choices made by individuals, firms, and governments impact scarce resources. In microeconomics, the topics include economics resources, government expenditures and taxation, unemployment and inflation, monetary policy and the banking system, national income determination, business cycles, fiscal policy, international economics and economic growth. In microeconomics, the topics include price determination, economic analysis of firms, market structures, distribution of income, and labor and unions. Economists courses satisfy general education requirements for an associate degree, a liberal arts degree with an emphasis in social and behavioral sciences/ economics, and lower division transfer. The Honors Program includes one economics course: ECON 101H Principles of Economics - Honors. Courses are offered in the day and evening and in early and late start and online.

Economics Courses

ECON 100
Survey of Economics
3 Units
Grade or Pass/ No Pass
Strongly Recommended: MATH 030. Also, ENGL 099 if required by English placement exam or if required by English level.
This is a survey of economics course. It is designed as a beginning economics class. It involves laying the basic principles of economic theory on both the macro and micro levels and showing how the principles can be applied to analyze current economic issues such as national health care, outsourcing, gas prices, the health of the economy, immigration. 54 lecture hours. CSU; UC

ECON 101
Principles of Macroeconomics
3 Units
Grade or Pass/ No Pass
Strongly Recommended: MATH 030. Also, ENGL 099 if required by English placement exam or if required by English level.
Introduction to the theory of aggregate economic analysis. Emphasis is on demand and supply, market systems, national income accounting, business cycles, unemployment, inflation, economic growth, macroeconomic equilibrium, money and banking, fiscal and monetary policy, international trade and finance. 54 lecture hours. CSU; UC

ECON 101H
Principles of Macroeconomics - Honors
3 Units
Grade Only
Strongly Recommended: MATH 030. Also, ENGL 099 if required by English placement exam or if required by English level.
A macro economics course that focuses on aggregate economic analysis and its applications. Topics include: theory of market systems; economic cycles including recession, unemployment and inflation; national income accounts; macroeconomic equilibrium; money and financial institutions; monetary and fiscal policy; and international trade and finance. It also tackles the application of the theory to different economic issues, such as the energy market, outsourcing and unemployment, lending practices among financial institutions and its effects on the real estate market, the budget deficit, the trade deficit, national health care proposals, and immigration. Students are expected to participate at an honors level which includes research of the application cases, analysis of issues, and strong critical thinking and writing skills to evaluate current policies and generate optimal solutions. 54 lecture hours. CSU; UC

ECON 102
Principles of Microeconomics
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An introductory course focusing on decision making from the viewpoint of the individual consumer, worker and firm. Emphasis is on price analysis, efficient allocation of resources, production costs, market structures, labor markets, market failure and applications to current economic policy. 54 lecture hours. CSU; UC

Emergency Management
(Health Sciences Department)

Emergency management and homeland courses prepare students for employment with emergency management agencies such as local cities and county governments in California, non-profit organizations such as the American Red Cross, and federal agencies such as the Department of Homeland Security (FEMA). Additionally, those currently working in the field can earn a recognized degree. Students may earn a certificate of achievement in Emergency Management and Homeland Security. Coursework satisfies general education requirements for an associate in science degree.

Emergency Management Courses

EMER 162
Principles of Emergency Management
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course provides an introduction to the principles of Emergency Management and Disaster Planning. Topics covered include: terrorist profiles, trends in terrorism, the emergency operations plan, response consideration to chemical and biological incidents and components of the emergency management system. 54 lecture hours.
EMER 163
Terrorism and Emergency Management
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course provides an introduction to terrorism and the emergency management of terrorist types of acts. Topics covered include: concepts of emergency management, event management, local plans and resources, general biological terrorism concepts, medical consequences and planning guidelines. This course will present a foundation of the threat and explore mitigation techniques. 54 lecture hours.

EMER 164
Managing Hazardous Materials Incidents
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course provides an introduction to hazardous materials and management. Topics covered include: recognizing what hazardous materials are, the problems they pose; and how to begin a safe and effective response to a Haz Mat incident. Upon successful completion of the course students are eligible to sit for the California State Specailized Training Institute (CSTI) certification examination. 54 lecture hours.

EMER 166
Emergency Planning and Methodology
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course provides an introduction to emergency planning and methodology. The course provides a study of pre-plan requirements, hazards and resource assessments, vulnerability analysis, methodology of planning, and public policy considerations. 54 lecture hours.

EMER 167
Practical Applications of Emergency Management
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course provides principles and techniques involved in developing an emergency management plan for a public or private sector organization. Explore the processes involved in data gathering, hazard identification and vulnerability assessment, and plan development. Students will prepare a draft of an emergency management plan for an organization of their choice. 54 lecture hours.

EMER 168
Emergency Operations Center (EOC) Management
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The course provides an instruction to design, initiate, and operate an Emergency Operations Center (EOC). The course provides a study of determining the location for an EOC, the physical set-up of the EOC, and the management of EOC operations both in emergency and non-emergent situations. 54 lecture hours.

English
(Language Arts Department)
The English discipline focuses on the appreciation of literature in its cultural context and the development of composition, critical thinking, and textual analysis in both basic skills and transfer-level courses. English courses provide students with intensive instruction and practice in the composition, revision, and editing of academic essays. English courses are taught using multiple methods of delivery: online, hybrid (on and off campus), fast track, and learning communities.

English courses also satisfy general education requirements for lower division transfers and can be used to fulfill the associate degree majors in English Literature or in Language Arts, the English associate degree for transfer, or liberal arts associate degree with an emphasis in humanities. Students may also earn one of two certificates of achievement: English Literature and Writing Competency.

Students in English courses receive skills that will help prepare them for the following jobs and/or careers: blog writing, business writing, editing and publishing, entertainment, freelance writing, grant writing, human resources, journalism, management, non-profit work, pre-law, research, sales, screenwriting, teaching domestically and abroad, technical writing, theater, tutoring, and university or college teacher assisting.

Citrus College's English courses are tailored to meet CSU general education (CSUGE) and IGETC requirements:

CSUGE Group A2 (Written Communication) and IGETC Group IA (English Composition)
ENGL 101 - Reading and Composition
ENGL 101H - Reading and Composition - Honors

CSUGE Group A3 (Critical Thinking) and IGETC Group 1B (Critical Thinking - English Composition)
ENGL 103 - Composition and Critical Thinking
ENGL 103H - Composition and Critical Thinking - Honors
ENGL 104 - Advanced Rhetoric: The Classical Essay

CSUGE Group C2 (Humanities) and IGETC Group 3B (Humanities)
ENGL 102 - Introduction to Literature
ENGL 213 - Horror Literature
ENGL 213H - Horror Literature - Honors
ENGL 216 - American Latino Literature
ENGL 251 - Introduction to English Literature I
ENGL 252 - Introduction to English Literature II
ENGL 261 - Introduction to U.S. American Literature I
ENGL 262 - Introduction to U.S. American Literature II
ENGL 271 - Introduction to World Literature: Ancient - Early Modern
ENGL 272 - Introduction to World Literature: 1600's through Twentieth Century
ENGL 291 - Film as Literature
ENGL 291H - Film as Literature - Honors
ENGL 293 - Children's Literature
English Courses

ENGL 098
English Fundamentals
2 Units
Grade Only
This course focuses intensively on English fundamentals including grammar, spelling, and basic literacy skills such as sentence structure, vocabulary acquisition, mechanics and punctuation, literal comprehension, reading responses, and student learning strategies. 18 lecture hours, 54 lab hours.

ENGL 099
Introduction to Reading and Composition
3 Units
Grade Only
Prerequisite(s): ENGL 030 or ENGL 040 or ENGL 098 or READ 040 or placement at the ENGL 099 level as defined by the College.
An introduction to fundamental techniques of reading and writing including sentence skills, paragraph and essay development, and use of literal and inferential comprehension for critical and analytical thinking, reading and writing at the college level. 90 lecture hours.

ENGL 101
Reading and Composition
3 Units
Grade Only
Prerequisite(s): ENGL 099 or ESL 100 or placement is based on multiple assessment measures.
A college-level composition course emphasizing exposition, analysis, argument, and research techniques. Extensive writing practice based upon reading selections of culturally diverse fiction, nonfiction and verse. 54 lecture hours. CSU; UC

ENGL 101H
Reading and Composition - Honors
3 Units
Grade Only
Prerequisite(s): ENGL 099 or ESL 100 or placement is based on multiple assessment measures.
An advanced college level course emphasizing exposition, analysis, evaluation, synthesis, argument, and research techniques. Extensive writing practice based upon reading culturally diverse short stories, novels, and related critical material. In addition, students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of fiction and nonfiction literary readings, presentation and leadership skills demonstrated through class participation/presentation, and service learning in the community. 54 lecture hours. CSU; UC

ENGL 102
Introduction to Literature
3 Units
Grade Only
Prerequisite(s): ENGL 101 or ENGL 101H or ESL 101.
This course introduces representative works from major genres, develops students' close reading and analytical writing skills, and promotes appreciation and critical understanding of the cultural, historical, and aesthetic qualities of literature. 54 lecture hours. CSU; UC

ENGL 103
Composition and Critical Thinking
3 Units
Grade Only
Prerequisite(s): ENGL 101.
This course uses literature as a basis for the teaching of critical thinking and composition. The emphasis is upon the analysis of issues, problems, and situations represented in fiction, drama and poetry, and on the development of effective written arguments in support of the analysis. Meets the IGETC critical thinking requirement. 54 lecture hours. CSU; UC

ENGL 103H
Composition and Critical Thinking - Honors
3 Units
Grade Only
Prerequisite(s): ENGL 101.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This honors course uses literature as a basis for the teaching of in-depth critical thinking and advanced composition. The emphasis is upon the analysis of issues, problems, and situations represented in literature and on the development of effective written arguments in support of the analysis. Critical thinking skills are demonstrated through research papers, in-class presentations, and collaborative exploration of material. Students are expected to demonstrate honors level work which includes strong critical thinking skills, thorough analysis of assigned readings, and presentation and leadership skills demonstrated through class participation. Meets the IGETC critical thinking requirement. 54 lecture hours. CSU; UC

ENGL 104
Argumentative Writing and Critical Thinking
3 Units
Grade Only
Prerequisite(s): ENGL 101.
In this course, students will develop critical thinking, writing, and research skills beyond the ENGL 101 level by examining and modeling complex classical methods of invention, arrangement, and style for writing assignments. Students will read and critically evaluate (for meaning, purpose, strategy and style) expository and argumentative essays from classical sources and multi-cultural perspectives. Students will test prejudices they hold, prove or disprove a hypothesis, evaluate the opinions of others, explain the effect of the media, and attempt to synthesize opposing arguments on an issue through critical thinking. Meets the IGETC critical thinking requirement. 54 lecture hours. CSU; UC

ENGL 210
Creative Writing I
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Instruction and practice in various forms of creative expression such as short story, the novel, poetry, drama, and/or screenplay. Critical evaluation of professional and student writing. 54 lecture hours. CSU
ENGL 213
Horror Literature
3 Units
Grade Only
Prerequisite(s): ENGL 101.
Strongly Recommended: ENGL 103.

An introduction to horror literature, this course is designed to give students an understanding of the application of literary analysis to horror literature. 54 lecture hours. CSU; UC

ENGL 213H
Horror Literature - Honors
3 Units
Grade Only
Prerequisite(s): ENGL 101 or ENGL 101H.
Strongly Recommended: ENGL 103 or ENGL 103H.

This honors course is designed to give the student a knowledge and an appreciation of Horror literature, both fiction and non-fiction. Critical analysis of such works from various perspectives is exemplified through research and written analysis. Special emphasis is given to the quality of the impact on literature of selected classics. 54 lecture hours. CSU; UC

ENGL 216
American Latino Literature
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

The study of American Latino literature emphasizing the development of literary expression within the Latino community specifically in the mediums of poetry, short stories, and novels. The course will explore literature within the context of the Latino culture and examine the impact the works have had on the Latino and literary community. 54 lecture hours. CSU; UC

ENGL 251
Introduction to English Literature I
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

Significant works of major British writers in historical perspective. First semester: Anglo-Saxon period through the eighteenth century with emphasis on Chaucer, Milton, Donne and Johnson. 54 lecture hours. CSU; UC

ENGL 252
Introduction to English Literature II
3 Units
Grade or Pass/ No Pass
Prerequisite(s): ENGL 099 or English placement exam eligibility for ENGL 101.

This course surveys British literature from the late eighteenth century to contemporary British and postcolonial texts. 54 lecture hours. CSU; UC

ENGL 251H
Introduction to English Literature I - Honors
3 Units
Grade Only

Also, ENGL 099 if required by English placement exam or if required by English level.

This honors course is designed to give students an understanding of the application of literary analysis to horror literature. 54 lecture hours. CSU; UC

ENGL 252H
Introduction to English Literature II - Honors
3 Units
Grade Only

Also, ENGL 099 if required by English placement exam or if required by English level.

This honors course is designed to give students an understanding of the application of literary analysis to horror literature. 54 lecture hours. CSU; UC

ENGL 261
Introduction to U.S. American Literature I
3 Units
Grade Only

Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

Students will explore the context and influence of American literature from the Colonial period to the Civil War. Students will examine specific literary works and their contributions to our personal and cultural context. 54 lecture hours. CSU; UC

ENGL 262
Introduction to U.S. American Literature II
3 Units
Grade Only

Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

Students will explore the context and influence of American literature from the Colonial period to the Civil War. Students will examine specific literary works and their contributions to our culture, the continuation of traditional themes and the emergence of new forms and themes. 54 lecture hours. CSU; UC

ENGL 261H
Introduction to U.S. American Literature I - Honors
3 Units
Grade Only

Also, ENGL 099 if required by English placement exam or if required by English level.

This honors course is designed to give students an understanding of the application of literary analysis to horror literature. 54 lecture hours. CSU; UC

ENGL 262H
Introduction to U.S. American Literature II - Honors
3 Units
Grade Only

Also, ENGL 099 if required by English placement exam or if required by English level.

This honors course is designed to give students an understanding of the application of literary analysis to horror literature. 54 lecture hours. CSU; UC

ENGL 271
Introduction to World Literature: Ancient - Early Modern
3 Units
Grade Only

Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

English 271 is the study of world literature in translation from the ancient world through the early modern period. This course emphasizes the development of literary expression and explores literature within the context of the culture and time in which works were written. This course examines the relationship between historical events and literary works and the impact of works on their age and ensuing eras. 54 lecture hours. CSU; UC

ENGL 272
Introduction to World Literature: 1600’s through Twentieth Century
3 Units
Grade Only

Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

English 272 is the study of world literature in translation from the early modern period to the twentieth century. This course emphasizes the development of literary expression and explores literature within the context of the culture and time in which works were written. This course examines the relationship between historical events and literary works and the impact of works on their age and ensuing eras. 54 lecture hours. CSU; UC
ENGL 293
Children's Literature
3 Units
Grade Only
Prerequisite(s): ENGL 099 or English placement exam eligibility for ENGL 101.
This course is designed to give the student a knowledge and an appreciation of children's books, both fiction and non-fiction. Special emphasis is given to the quality of writing and illustration of award winning books and selected classics. 54 lecture hours. CSU; UC

ENGL 293H
Children's Literature - Honors
3 Units
Grade Only
Prerequisite(s): ENGL 101, Strongly Recommended: ENGL 103.
This honors course is designed to give the student a knowledge and an appreciation of children's books, both fiction and nonfiction. Critical analysis of such works from various perspectives is exemplified through research and written analysis. Special emphasis is given to the quality of writing and illustration of award-winning books and selected classics. 54 lecture hours. CSU; UC

ENGL 294
Introduction to Shakespeare
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An introduction to the works of William Shakespeare, including representative tragedies, comedies, and history plays. The course is designed to give students an understanding of the timelessness of Shakespeare's work. 54 lecture hours. CSU; UC

ENGL 298
Literature of the Bible
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Reading and discussion of selected books from English translations of the Old and New Testaments. Emphasis is on the religious, social, political ideas, literary qualities, and textual problems. 54 lecture hours. CSU; UC

Engineering Courses

ENGR 101
Introduction to Engineering
3 Units
Grade Only
Prerequisite(s): PHYS 201 and MATH 175.
This introductory course will provide an overview of engineering principles and techniques. Topics include engineering design, structural analysis, materials science, and the engineering design process. 36 lecture hours, 54 lab hours. CSU; UC

ENGR 135
Engineering Mechanics: Statics
3 Units
Grade Only
Prerequisite(s): PHYS 201 and MATH 175.
This course covers the principles of statics, including equilibrium, force systems, and the application of these concepts to real-world problems. 54 lecture hours. CSU; UC

Earth Science Courses

ESCI 106
Earth and Space Science for Educators
4 Units
Grade Only
Prerequisite(s): MATH 030 or concurrent enrollment.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course offers a comprehensive overview of Earth and space science for prospective educators. Topics include Earth's structure, plate tectonics, geologic time, and the solar system. It is designed to provide teachers with a foundational understanding of Earth science concepts and their applications in the classroom. 54 lecture hours. CSU; UC

ESCI 119
Physical Geology without laboratory
3 Units
Grade Only
Prerequisite(s): MATH 030 or concurrent enrollment.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course introduces the basic principles of physical geology, including the geological history of the Earth and the processes that shape the Earth's surface. It is designed to provide a foundation in geology for students interested in pursuing careers in environmental science, geology, or related fields. 54 lecture hours. CSU; UC
ESCI 120
Physical Geology
4 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course investigates the dynamic nature of the Earth through the study of earth processes including: plate tectonics, earthquakes and the Earth’s interior, mineral and rock systems, crustal deformation, weathering processes, glaciers, and deserts. Students may not receive credit for both of ESCI 119 and 120. 54 lecture hours, 54 lab hours. CSU; UC

ESCI 121
Historical Geology
4 Units
Grade Only
Prerequisite(s): ESCI 120.
The geological events of Earth history from the origin of our planet to the present time. Includes a summary of the evolution of the plants and animals of the Earth and a study of the fossils of the various periods of geologic time. Field excursions will be arranged. A transportation fee will be charged. 54 lecture hours, 54 lab hours. CSU; UC

ESCI 122
Earth History
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course covers geologic history of the earth as shown by the changing of land and sea and by the succession of fauna and flora. Stratigraphy and fossils used for interpreting the sequence of past geological events are studied. 54 lecture hours. CSU; UC

ESCI 124
Environmental Geology
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Application of geologic principles to selected environmental problems. Topics include earthquakes, volcanism, mass movements, climate change, floods, coastal processes, mass extinctions, meteorite impacts, and population growth. 54 lecture hours. CSU; UC

ESCI 130
Physical Oceanography
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A study of marine geology and topography, physical processes within the marine environment, such as waves and currents, tides, sea-floor spreading, marine provinces, marine sediments, and environmental relationships. 54 lecture hours. CSU; UC

ESCI 180
Introduction to Geographic Information Systems
4 Units
Grade or Pass/ No Pass
Prerequisite(s): ENGL 099 if required by English placement exam or if required by English level.
An introductory GIS course that will teach the theory and usage of Geographic Information Systems in a number of fields including business, resource management, Earth Sciences, and urban planning. Recommended for anyone using spatial data in their profession. 36 lecture hours, 108 lab hours. CSU; UC

English as a Second Language
(Language Arts Department)
The English as a Second Language (ESL) program offers students a comprehensive selection of courses to improve their knowledge of and skills with English for both personal and academic purposes. The ESL program also introduces international students to American culture and customs. Courses range from pre-collegiate (non-degree-applicable) through transfer levels. ESL 101 Reading and Composition satisfies the graduation requirement in writing competency and satisfies a general education requirement for the associate degree.

ESL Courses
ESL 020
English Language Skills I
3 Units
Grade or Pass/ No Pass
Prerequisite(s): Placement is based on multiple assessment measures.
A writing course for high-beginning English language students. Emphasis on production and comprehension of simple phrases, basic sentence construction, introductory paragraph writing skills and basic vocabulary. One of three core courses in ESL Level 2. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 54 lecture hours, 9 lab hours.

ESL 022
Pronunciation and Conversation I
2 Units
Grade or Pass/ No Pass
Prerequisite(s): Placement is based on multiple assessment measures.
A course for beginning ESL students in comprehension and communication of spoken English. Emphasis is on building confidence in oral expression and refining pronunciation. Strongly recommended for students enrolled in ESL Level 2 core courses. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours.

ESL 024
Reading/ Vocabulary I
2 Units
Grade or Pass/ No Pass
Prerequisite(s): Placement is based on multiple assessment measures.
A reading and vocabulary course for low-intermediate ESL students. The course is designed to help students expand their vocabulary through oral and written practice and improve their reading comprehension. One of three core courses in ESL Level 2. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours.

ESL 026
Grammar Fundamentals I
2 Units
Grade or Pass/ No Pass
Prerequisite(s): Placement is based on multiple assessment measures.
A course for low-intermediate ESL students seeking to improve their grammatical accuracy in writing and speaking. Intensive review and practice of verb tenses, noun forms, adjectives, adverbs and modals, in a communicative context. One of three core courses in ESL Level 2. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours, 9 lab hours.
ESL 030
English Language Skills III
3 Units
Grade or Pass/ No Pass
Prerequisite(s): ESL 020 or placement in ESL Level 3 on the Accuplacer assessment test.
A writing course for low-intermediate English language students. Emphasis on production and comprehension of longer phrases, compound and complex sentence construction, lower-intermediate paragraph writing skills and vocabulary. One of three core courses in ESL Level 3. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 54 lecture hours, 9 lab hours.

ESL 032
Pronunciation and Conversation III
2 Units
Grade or Pass/ No Pass
Prerequisite(s): Placement is based on multiple assessment measures.
Strongly Recommended: For students enrolled in ESL level 3 core courses.
A course for low-intermediate students in comprehension and communication of spoken English. Emphasis is on building confidence in oral expression, refining pronunciation and reducing accent. Strongly recommended for students enrolled in ESL Level 3 core courses. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours.

ESL 034
Reading/ Vocabulary III
2 Units
Grade or Pass/ No Pass
Prerequisite(s): ESL 024 or placement based on multiple assessment measures.
A reading and vocabulary course for intermediate ESL students. The course is designed to help students further expand vocabulary and reading skills. Emphasis is on building vocabulary through oral and written practice and improving reading comprehension. One of three core courses in ESL Level 3. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours.

ESL 036
Grammar Fundamentals III
2 Units
Grade or Pass/ No Pass
Prerequisite(s): ESL 026 or placement is based on multiple assessment measures.
A course for low-intermediate ESL students designed to improve their grammatical accuracy in spoken and written English. Intensive review and practice of meaning and use of syntactic structures such as verb tense, modals, noun and adjective forms, questions and negatives, passive voice, adverbs, and articles. One of three core courses in ESL Level 3. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours, 9 lab hours.

ESL 040
English Language Skills IV
3 Units
Grade or Pass/ No Pass
Prerequisite(s): ESL 030 or placement in ESL Level 4 on the Accuplacer assessment test.
This course prepares high-intermediate ESL students for ESL 100. It includes grammar, vocabulary, usage, and the writing skills of sentence and paragraph development. It also previews essay development and writing. One of three core courses in ESL Level 4. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 54 lecture hours, 9 lab hours.

ESL 042
Pronunciation and Conversation IV
2 Units
Grade or Pass/ No Pass
Prerequisite(s): Placement is based on multiple assessment measures.
Strongly Recommended: For students enrolled in ESL Level 4 core courses.
A course for high-intermediate students in comprehension and communication of spoken English. Emphasis is on building confidence in oral expression, refining pronunciation and reducing accent. Strongly recommended for students enrolled in ESL Level 4 core courses. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours.

ESL 044
Reading/ Vocabulary IV
2 Units
Grade or Pass/ No Pass
Prerequisite(s): ESL 034 or placement is based on multiple assessment measures.
A reading and vocabulary course for high intermediate ESL students, designed to facilitate appropriate strategies for improving reading comprehension and developing vocabulary. Emphasis is on college-level vocabulary and reading skills. One of three core courses in ESL Level 4. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours.

ESL 046
Grammar Review I
2 Units
Grade or Pass/ No Pass
Prerequisite(s): ESL 036 or Placement measures.
Strongly Recommended: For students enrolled in ESL Level 4 core courses.
A course for high-intermediate ESL students seeking to improve their grammatical accuracy. Intensive review and practice of syntactic structures such as verb tense, tag questions, gerunds and infinitives, and phrasal verbs. One of three core courses in ESL Level 4. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours, 9 lab hours.

ESL 053
Bridge to College Literature
2 Units
Grade or Pass/ No Pass
Prerequisite(s): Placement is based on multiple assessment measures or successful completion of ESL level 4 core courses.
Strongly Recommended: ESL 100.
This fiction reading and vocabulary course is designed to help ESL students develop the skills necessary for analyzing and writing about literature in English at the college level. NOTE: THE UNITS FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours.
### ESL 054 Bridge to College Reading 2 Units
**Grade or Pass/ No Pass**

**Prerequisite(s):** ESL 044 or placement is based on multiple assessment measures.

A reading and vocabulary course for advanced ESL students designed to improve their skills in the reading and analysis of academic text. Students will develop reading comprehension and study strategies in preparation for college-level coursework. 36 lecture hours.

### ESL 056 Grammar Review II 2 Units
**Grade or Pass/ No Pass**

**Prerequisite(s):** ESL 046 or placement is based on multiple assessment measures.

Strongly Recommended: For students enrolled in ESL level 5 core courses.

A course for advanced ESL students seeking to improve their grammatical accuracy in writing and speaking. Further review and practice of complex syntactic structures such as verb forms, tag questions, conditional statements, reported speech, modals and phrasal verbs, and subordinate clauses. Strongly recommended: For students enrolled in ESL level 5 core courses. 36 lecture hours, 9 lab hours.

### ESL 070 American Idioms I 1 Unit
**Grade Only**

**Prerequisite(s):** ESL 030 or placement is based on multiple assessment measures.

A course for intermediate ESL students. The course is designed to introduce to students the most frequently occurring idiomatic expressions, which in the colloquial speech often heard outside the classroom. NOTE: THE UNITS FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 18 lecture hours.

### ESL 100 Fundamentals of Composition 4 Units
**Grade or Pass/ No Pass**

**Prerequisite(s):** ESL 040 or placement in ESL Level 5 on the Accuplacer assessment test.

This course prepares high-intermediate and advanced ESL students for college-level writing. It provides a review of English fundamentals and practice in critical thinking, paragraph development and essay writing with an emphasis on exposition. Continued practice in special writing problems common to second language learners. 72 lecture hours. UC

### ESL 101 Reading and Composition 3 Units
**Grade or Pass/ No Pass**

**Prerequisite(s):** ESL 100 or placement is based on multiple assessment measures or successful completion of ESL level 5 core courses.

An advanced composition and reading course for ESL students. Instruction and practice in critical reading, expository writing and techniques for researching, documenting and writing a research paper. The course content parallels ENGL 101, differing in that the reading is non-fiction. 54 lecture hours. CSU; UC

### Ethnic Studies (Behavioral Sciences Department)

#### ETHN 101 Introduction to Ethnic Studies 3 Units
**Grade or Pass/ No Pass**

**Prerequisite(s):** ESL 044 or ESL 100 or if required by English placement exam or if required by English level.

This course is a historical and cultural survey of ethnic groups and ethnic group relations in the U.S. among Anglos, Native Americans, Asian Americans, African Americans, and Mexican Americans/Latinos from the pre-Columbian period to the present. 54 lecture hours. CSU; UC

#### ETHN 116 Introduction to Chicano Studies 3 Units
**Grade or Pass/ No Pass**

This course is an introductory survey of Chicano/Latino people in the United States; examining race, ethnicity, gender and sexuality, social class, history, politics, institutional discrimination, culture, migration and globalization, literature, and the arts. 54 lecture hours. CSU; UC

### Forestry/Wildland Resources Courses

#### FOR 101 Introduction to Forestry 3 Units
**Grade or Pass/ No Pass**

**Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.**

Covers the relationship of forests to our national and local life. The various forest sciences and the uses of the forest including timber, water, recreation, grazing, and wildlife. The forest organizations: federal, state, county and private. 54 lecture hours. CSU; UC

#### FOR 102 Introduction to Forest Ecology 3 Units
**Grade or Pass/ No Pass**

**Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.**

A lecture course examining forest as a biological community, through which sustainability, biodiversity, ecosystem health and integrity, old growth, climate change, rainforest, and clearcutting are evaluated. 54 lecture hours. CSU; UC

#### FOR 103 Plant Identification 3 Units
**Grade or Pass/ No Pass**

**Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.**

A course examining plant identification with emphasis on wildland plants. Other topics include plant physiology, taxonomy, plant communities and plant adaptations. 54 lecture hours. CSU; UC
FOR 104  
Introduction to Outdoor Recreation  
3 Units  
Grade or Pass/ No Pass  
Covers the historical development of recreation and the role of federal, state and local government in outdoor recreation. Other topics include economic impact, supply and demand, private enterprise, education, planning and management within the realm of recreation. 54 lecture hours. CSU

FOR 105  
Wildland Fire Management  
3 Units  
Grade or Pass/ No Pass  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
A course designed to provide knowledge of the factors affecting fire behavior, fire control techniques and wildland fire prevention. Factors of topography, fuels and weather will be included. 54 lecture hours. CSU

FOR 106  
Principles of Wildlife Management and Ecology  
3 Units  
Grade or Pass/ No Pass  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
A lecture course examining wildlife management as a science, through which a brief history of wildlife management, ecosystems, population ecology, animal behavior, food and cover, wildlife diseases, predation, endangered species, economics of wildlife, and fisheries are discussed. 54 lecture hours. CSU; UC

French Courses

FREN 101  
French I  
5 Units  
Grade or Pass/ No Pass  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
A course in elementary French grammar, vocabulary, and pronunciation which focuses on understanding, speaking, reading, and writing simple French and serves as an introduction to the geography, history, and culture of the French-speaking world. 90 lecture hours. CSU; UC

FREN 102  
French II  
5 Units  
Grade or Pass/ No Pass  
Prerequisite(s): FREN 101 or two years of high school French.  
Strongly Recommended: ENGL 099.  
A further study of elementary French grammar and vocabulary which develops understanding, speaking, reading, and writing skills. Includes additional study of French culture. 90 lecture hours. CSU; UC

French (Foreign Languages Department)

The Foreign Languages Department offers proficiency-based instruction in listening, speaking, reading, and writing in these languages: Spanish, German, Chinese, and Japanese. The study of each language includes vocabulary, grammar, syntax, pronunciation, and cultural and historical understanding. Intermediate level courses include a literature component. Courses combine classroom lectures, guided practice, and language activities with individual work conducted online.

Geography

GEOG 102  
Cultural Geography  
3 Units  
Grade or Pass/ No Pass  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
A study of the patterns of human occupation and land use over the earth’s surface and their co-relation with the natural environment. Particular emphasis will be given to agricultural and industrial economics, settlement patterns and population studies. 54 lecture hours. CSU; UC

Geography Courses

GEOG 108  
Physical Geography  
3 Units  
Grade Only  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
A survey of the basic elements of physical geography including maps, seasons, weather, climate, soils, natural vegetation, internal and external geologic processes, land forms, and their relationships and distribution across the face of the earth. 54 lecture hours. CSU; UC

German Courses

GER 101  
German I  
5 Units  
Grade or Pass/ No Pass  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
A course in elementary German grammar, vocabulary, and pronunciation which focuses on understanding, speaking, reading, and writing simple German and serves as an introduction to the geography, history, and culture of the German speaking world. 90 lecture hours. CSU; UC

German (Foreign Languages Department)

The Foreign Languages Department offers proficiency-based instruction in listening, speaking, reading, and writing in these languages: Spanish, German, Chinese, and Japanese. The study of each language includes vocabulary, grammar, syntax, pronunciation, and cultural and historical understanding. Intermediate level courses include a literature component. Courses combine classroom lectures, guided practice, and language activities with individual work conducted online.
Health Sciences Courses

HEAL 100
Emergency Medical Services Career Preparation
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Health Occupations 100 is designed to provide the student with the knowledge and skills necessary to begin an entry-level career in Emergency Medical Services (EMS) and other allied health-related fields of patient care. This course provides beginning concepts of preparatory sciences directly related to the care of sick and injured persons. It also covers basic knowledge and skills necessary for American Heart Association (AHA) cardiopulmonary resuscitation (CPR) certification. Successful completion of this course is required for enrollment into the Emergency Medical Technician Basic Program. 36 lecture hours, 54 lab hours.

HEAL 105
Hospital Unit Coordinator
5 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Provides information, training, and experience needed to perform secretarial or clerical duties on a nursing unit in a hospital setting. Student will meet minimum requirements to successfully meet demands of managing the unit desk, phones, ordering of labs/tests/supplies, processing and transcription of physician orders, and the daily tasks of a hospital nursing unit. 72 lecture hours, 54 lab hours.

-course topics and details-

HEAL 161
Emergency Medical Technician - Basic
7 Units
Grade Only
Prerequisite(s): HEAL 100 or concurrent enrollment.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The entry level course in emergency training for those involved in Emergency Medical Services. 108 lecture hours, 54 lab hours.

History Courses

HIST 103
History of World Civilization up to 1500
3 Units
Grade or Pass/No Pass
Prerequisite(s): HIST 100 or concurrent enrollment.

History is a critical examination of the record of human development, with attention to changing social, political, economic, and cultural structures. The study of history is the endeavor to understand the present by becoming knowledgeable about the past.

As the context of all human activity, students of history strive to understand society and their place in it. History courses satisfy general education requirements for the associate degree, a liberal arts degree in social and behavioral science with an emphasis in history, and lower division transfer. The Honors Program includes three history courses: HIST 103H History of World Civilization up to 1500 – Honors, HIST 107H History of the United States before 1877 – Honors, and HIST 108H History of the United States since 1877 - Honors.
HIST 103H
History of World Civilization up to 1500 - Honors
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The course is a survey of emerging regional cultures and societies from the earliest civilizations to 1500. Consideration will be given to comparative and integrative analysis of their contributions to the fabric of world civilization. Particular focus will be given to cultural evolutionary parallels and the diffusion of ideas through migration and trade on a global scale. Students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of historical readings, presentation and leadership skills demonstrated through class participation/presentation, and service learning in the community. 54 lecture hours. CSU; UC

HIST 104
History of World Civilization since 1500
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The course offers a survey of world civilizations from 1500's regional isolation to modern-day globalization and its issues and problems. Consideration will be given to the political, economic, social, and intellectual forces present in the rise of the modern world. Particular focus will be given to the interrelatedness of historical events and on the comparisons of cultures and societies in a historical perspective. College level reading is strongly advised. 54 lecture hours. CSU; UC

HIST 107
History of the United States before 1877
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A survey of the political, economic and social development of the United States to 1877. This course meets the State requirement for American history and is designed for college transfer students. 54 lecture hours. CSU; UC

HIST 107H
History of the United States before 1877 - Honors
3 Units
Grade Only
Prerequisite(s): Meet Honors Program entrance requirements that include eligibility for ENGL 101 or completion of equivalent.
A survey of the political, economic and social development of North America and the United States to 1877, along with a survey of American historiography and the varying interpretations of these developments. The course meets the State requirement for American history and is designed for college transfer students. 54 lecture hours. CSU; UC

HIST 108
History of the United States from 1877
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A survey of political, economic, diplomatic, and social development of the U. S. from 1877 to the present. This course meets the State requirement for American history and is designed for college transfer students. 54 lecture hours. CSU; UC

HIST 108H
History of the United States from 1877 - Honors
3 Units
Grade Only
Prerequisite(s): ENGL 099.
Strongly Recommended: ENGL 101.
A survey of political, economic, diplomatic, and social development of the U. S. from 1877 to the present along with a survey of American historiography and the varying interpretations of these developments. This course meets the State requirement for American history and is designed for college transfer students. 54 lecture hours. CSU; UC

HIST 109
The World in Conflict - The 20th Century, a History
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A critical approach to the history of the 20th Century through major events and issues. 54 lecture hours. CSU; UC

HIST 111
History of the African-Americans to 1876
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An exploration of the cultural development and role of the African-American in the history of the United States from the African origins to the end of Reconstruction (1876). 54 lecture hours. CSU; UC

HIST 112
History of the African-Americans since 1876
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An exploration of the cultural development and role of the African-American in the history of the United States from the end of the Reconstruction period (1876) to the present. 54 lecture hours. CSU; UC

HIST 120
British Civilization
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 or ENGL 100.
An overview of British culture and civilization that considers the history, politics, economics, culture, and social changes that have formed contemporary British society. 54 lecture hours. CSU; UC

HIST 130
Latin American Culture and Civilization
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Latin American Culture and Civilization is a survey course, providing an interdisciplinary approach to understanding the culture and history of Latin America. The course critically analyzes historical and contemporary social traditions and institutions in order to reach an understanding of modern day Latin America. 54 lecture hours. CSU; UC
HI ST 131
History of Latin America to 1825
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The course is a survey of Latin American history from pre-Columbian times to the independence of Latin American lands. Special emphasis is given to the institutions of the past which have shaped the conditions of the emerging states. Relations between Latin American nations and the United States will also be explored. 54 lecture hours. CSU; UC

HI ST 132
History of Modern Latin America
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The course is a survey of the social, economic and political history of Latin America from independence to the present. The legacy of colonialism will be considered as special emphasis is given to the development of cultural, political, and economic institutions. The course will give attention to the relationships between Latin America and the United States foreign policy. 54 lecture hours. CSU; UC

HI ST 139
History of California
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A survey of the political, social and economic development of the State of California from early Pre-Columbian American Indian communities and Spanish settlements to the present. 54 lecture hours. CSU; UC

HI ST 140
History of the American West
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 100 or ENGL 101.
A survey class of the region west of the Mississippi River designed to acquaint the students with the historical significance, events and personalities which made up this period. Primary emphasis will be on the 19th century. 54 lecture hours. CSU; UC

HI ST 145
History of Mexico
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course will survey the history of Mexico from the pre-Columbian period through the Conquest, the struggle for independence, the Revolution of 1910, and Mexico's emerging role as a developing country. There will be a special emphasis placed on the growing economic and cultural intertwining of the American and Mexican people in the twentieth century. 54 lecture hours. CSU; UC

HI ST 155
History of the Vietnam War
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An examination of the background and involvement of America in the Vietnam War. The course will primarily focus on the American involvement in Southeast Asia, but will also examine the origins of Vietnamese nationalism and the struggle for independence in Vietnam and its global implications and manifestations. A Cold War framework developed early in the course will be utilized to understand U.S. involvement in the Vietnam War. The course will conclude with an assessment of the long term effects of the Vietnam War on American society and the rest of the world. 54 lecture hours. CSU; UC

HI ST 222
History of World War II
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 or ENGL 100.
An examination of the circumstances and events leading to US entry into World War II. The course will focus on American involvement in World War II, but will also examine the systemic fracturing of the world order through the rise of Japanese, German, and Italian imperialism, assess the impact of the worldwide economic depression in the 1930s, military strategies and conduct, and analyze the impact of the war on the home front, as well as, the long-term effects on American policy and the world. 54 lecture hours. CSU; UC

Humanities Courses

Humanities - Prehistory through the Medieval Period
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The humanities are approached on four levels: art, music, literature, and philosophy. Includes the beginnings in Egypt, Babylonia, and Greece and proceeds chronologically through the Medieval period. 54 lecture hours. CSU; UC

Humanities - Prehistory through the Medieval Period - Honors
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The humanities are approached on four levels: art, music, literature, and philosophy. Includes the beginnings in Egypt, Babylonia, and Greece and proceeds chronologically through the Medieval period. A critical in-depth reading of several primary sources is conducted in a discussion format. 54 lecture hours. CSU; UC
HUM 102
Humanities from the Renaissance through the 19th Century
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The humanistic studies are approached on four levels: art, music, literature, and philosophy. Begins with the Renaissance and moves to the 19th century period in the middle east and Europe. 54 lecture hours. CSU; UC

HUM 110
Humanities in the 20th Century
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course is concerned with critical analysis of the arts and philosophy from the late 19th century to the contemporary period. 54 lecture hours. CSU; UC

HUM 123
Strategies for Peace - Saving Civilization
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An introduction to peace and conflict studies, with an emphasis on war’s destructive impact on art, literature, and philosophy. The course examines the meanings and reasons for war, as well as strategies for peace. 54 lecture hours. CSU; UC

HUM 127
Spanish Civilization
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Spanish Civilization provides an interdisciplinary global understanding of the culture and history of Spain. The course critically analyzes contemporary Spanish society by examining the social and historical traditions and institutions that shape the Spanish way of life in the 20th century. 54 lecture hours. CSU; UC

Information Technology
(Technology and Engineering Department)

Information Technology, a career technical program, prepares students for a variety of entry-level occupations or advancement within this field with a focus on networks, security, internet protocol communications, project management, software support, device integration, and ethics. Students in the program have the opportunity to complete industry certifications from CompTIA, which include A+, Network+, Server+, and Security+, as well as certifications from Macintosh and Microsoft. Information technology courses lead to a certificate of achievement in Information Technology.

Information Technology Courses

IT 104
PC Hardware and Maintenance
4 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course will be of interest to computer technicians, field service and help desk support personnel, as well as, individuals interested in enhancing their technical skills and knowledge of the PC system. The course starts from the basic entry-level concepts, and quickly progresses into discussing advanced topics related to the IT industry. It will lay the foundation for attendees to prepare for the A+ certification tests. 54 lecture hours, 54 lab hours.

IT 105
Networking Operating Systems
4 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course provides information covering the LAN and WAN. Network topologies and protocols are presented. 54 lecture hours, 54 lab hours.

IT 107
Network Technology
4 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course provides information covering the areas of network operating systems used on local and wide area networks (LANs and WANs), as well as popular server software. 54 lecture hours, 54 lab hours.

IT 109
Network and Computer Security
4 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Covers basics of general security concepts, network security, communication security, infrastructure security. Business continuity, disaster recovery, planning and prevention will be covered. This course will lay the foundation for attendees to complete the CompTIA Security+ certification tests. 54 lecture hours, 54 lab hours.

IT 110
Virtual Computing
4 Units
Grade or Pass/ No Pass
Covers the general concepts of virtual computing including server and desktop virtualization. Students will install and configure virtualization software from multiple vendors. This course will lay the foundation to take industry standard exams. 54 lecture hours, 54 lab hours.

Japanese
(Foreign Languages Department)
The Foreign Languages Department offers proficiency-based instruction in listening, speaking, reading, and writing in these languages: Spanish, German, Chinese, and Japanese. The study of each language includes vocabulary, grammar, syntax, pronunciation, and cultural and historical understanding. Intermediate level courses include a literature component. Courses combine classroom lectures, guided practice, and language activities with individual work conducted online.

Japanese Courses

JPN 101
Japanese I
5 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A course in elementary Japanese grammar, vocabulary, and pronunciation which aims at understanding, speaking,
reading, and writing simple Japanese and serves as an introduction to Japanese geography and culture. 90 lecture hours. CSU; UC

JPN 102
Japanese II
5 Units
Grade or Pass/ No Pass
Prerequisite(s): JPN 101 or two years of high school Japanese.
A further study of elementary Japanese grammar and vocabulary which develops understanding, speaking, reading, and writing skills. Includes additional study of Japanese culture. 90 lecture hours. CSU; UC

Kinesiology
(Kinesiology Department)

Kinesiology studies human anatomy and physiology and the mechanics of body movement both theoretically and in practice through physical activities.

A diverse curriculum includes lower division theory courses designed for those who want:
- To complete an associate in science degree in kinesiology and
- A basic instruction program with a wide variety of movement experiences for the development of physical activity skills and with the knowledge necessary for life time wellness;
- An adapted activities curriculum for students with disabilities; and
- An intercollegiate athletic program that offers performance-oriented students opportunities for competition.

Kinesiology courses satisfy general education requirements for an associate in science degree and lower division transfer. The Honors Program includes one kinesiology course: KIN 171H Health Science - Honors.

Important Information About Kinesiology Course Descriptions

Kinesiology courses are now grouped together as course “families.” Students are allowed to take only four courses from each “family.” All grades received, including F, WD, and NC grades count towards the four courses.

The Kinesiology course families are listed as follows.

Aquatics (Family 1)
KIN 142 - Beginning Swimming
KIN 143 - Intermediate Swimming

Individual Sports (Family 2)
KIN 101 - Badminton
KIN 102 - Bowling
KIN 103 - Golf
KIN 106 - Racquetball
KIN 108 - Tennis

Team Sports (Family 3)
KIN 130 - Basketball
KIN 134 - Softball
KIN 135 - Volleyball

Aerobic Fitness (Family 4)
KIN 146 - Water Exercise
KIN 147 - Swimming for Cardiovascular Improvement
KIN 151 - Body Conditioning
KIN 153 - Walk/Jog
KIN 159 - Cardiovascular training

Resistance Training (Family 5)
KIN 145 - Strength Training, Balance, and Agility
KIN 152 - Weight Training

Progressive Relaxation (Family 6)
KIN 116 - Yoga

Combatives (Family 7)
KIN 104 - Self Defense and Personal Safety

Kinesiology Courses

KIN 101
Badminton
1 Unit
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Development of skills necessary to participate in a game of badminton. Course will improve skills through supervised instruction. 18 lecture hours, 18 lab hours. CSU; UC

KIN 102
Bowling
1 Unit
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course will provide a semi-competitive opportunity for the student with basic to advanced bowling skills. This program will provide an opportunity for the student to work on the fundamental and advanced skills of bowling. 18 lecture hours, 18 lab hours. CSU; UC

KIN 103
Golf
1 Unit
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course will offer a non-competitive environment in which the student can develop the basic fundamentals of golf. Instruction will emphasize woods, long and short irons, bunker play, putting, golf terminology, rules and etiquette. 18 lecture hours, 18 lab hours. CSU; UC

KIN 104
Self-Defense and Personal Safety
1 Unit
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The theory and techniques of self-defense and personal safety. Content focuses on methods of recognizing and avoiding dangers plus skills and strategies of employing physical defense when necessary. 18 lecture hours, 18 lab hours. CSU; UC
**KIN 106**  
Racquetball  
1 Unit  
Grade or Pass/ No Pass  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*  
Instruction and practice of the various fundamental skills and techniques of racquetball that will allow the student to participate in a lifetime activity. Improve skills by repetition and supervised instruction. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 108**  
Tennis  
1 Unit  
Grade or Pass/ No Pass  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*  
Instruction will be concerned with individual growth of fundamentals and techniques of tennis that will allow the student to participate in a lifetime activity. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 116**  
Yoga  
1 Unit  
Grade or Pass/ No Pass  
This course focuses on the development of the body/mind through the use of specific Yoga postures, breathing techniques, stretches, mental exercises, and relaxation exercises. The goals are to instruct students to achieve greater concentration, self-discipline, and improved physical/emotional health through instruction and practice of these skills. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 130**  
Basketball  
1 Unit  
Grade or Pass/ No Pass  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*  
Techniques in basketball such as ball handling, passing, receiving, screening, cutting, shooting, team play and strategy of the game. Rules are included. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 134**  
Softball  
1 Unit  
Grade or Pass/ No Pass  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*  
Instruction in the basic skills and techniques of play in softball. Students will be required to understand the statistical aspect of the game. Course will improve proficiency in skills by repetition and supervised instruction. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 135**  
Volleyball  
1 Unit  
Grade or Pass/ No Pass  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*  
Instruction in the basic skills and techniques of volleyball that will allow the student to participate in a lifetime activity. Improve skills by repetition and supervised instruction. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 137**  
Racquetball  
1 Unit  
Grade or Pass/ No Pass  
Instruction and practice of the various fundamental skills and techniques of racquetball that will allow the student to participate in a lifetime activity. Improve skills by repetition and supervised instruction. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 138**  
Tennis  
1 Unit  
Grade or Pass/ No Pass  
Instruction will be concerned with individual growth of fundamentals and techniques of tennis that will allow the student to participate in a lifetime activity. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 139**  
Yoga  
1 Unit  
Grade or Pass/ No Pass  
This course focuses on the development of the body/mind through the use of specific Yoga postures, breathing techniques, stretches, mental exercises, and relaxation exercises. The goals are to instruct students to achieve greater concentration, self-discipline, and improved physical/emotional health through instruction and practice of these skills. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 140**  
Basketball  
1 Unit  
Grade or Pass/ No Pass  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*  
Techniques in basketball such as ball handling, passing, receiving, screening, cutting, shooting, team play and strategy of the game. Rules are included. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 142**  
Swimming - Beginning  
1 Unit  
Grade or Pass/ No Pass  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*  
This course provides basic instruction and practice in the fundamental elements of swimming including beginning diving and water safety instruction. The class is designed to develop proficiency in the basic swim strokes. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 143**  
Swimming - Intermediate/ Advanced  
1 Unit  
Grade or Pass/ No Pass  
*Strongly Recommended: KIN 142.*  
This course is designed to develop knowledge and skill in competitive swimming strokes. Swimming strokes to be taught are the freestyle, back stroke, breast stroke, and dolphin butterfly. The class will emphasize the development of cardiovascular aerobic conditioning. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 144**  
Water Safety Instructor  
1 Unit  
Grade or Pass/ No Pass  
*Strongly Recommended: Successful completion of pretest assessment of swimming strokes. Also, ENGL 099 if required by English placement exam or if required by English level.*  
This course provides an opportunity for the student to qualify for the American Red Cross Safety Instructor Certificate. The class is designed to teach the student how to teach swimming on all levels as well as basic and advanced lifesaving. If a student wishes to receive a certification card they must pay the required Red Cross fee. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 145**  
Strength Training, Balance and Agility  
1 Unit  
Grade or Pass/ No Pass  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*  
Designed to introduce students to proprioceptive training. Proprioceptive training can improve balance, core strength, quickness, and agility and reduce the risk...
of injury. This type of training can benefit all movements performed in our daily life, not just those dealing with sports or athletic movements. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 146**  
**Water Exercise**  
**1 Unit**  
**Grade or Pass/ No Pass**  
Low impact water exercise class provides a better understanding of body movement while in the water. Designed to develop strength, flexibility, cardiovascular endurance, and coordination. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 147**  
**Swimming for Cardiovascular Improvement**  
**1 Unit**  
**Grade or Pass/ No Pass**  
*Strongly Recommended: Successful completion of pretest assessment of swimming strokes. Also, ENGL 099 if required by English placement exam or if required by English level.*

This course will emphasize swimming for health and physical fitness. The class is designed to decrease the risk of coronary heart disorders by increasing heart efficiency, vital lung capacity, and the knowledge of each through the use of aerobic and anaerobic conditioning. Participating adults and others seeking a fitness program may expect to improve their overall fitness level through aquatic training. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 148**  
**Adapted Aquatic Exercises**  
**1 Unit**  
**Grade or Pass/ No Pass**  
*Prerequisite(s): Physician’s written diagnosis of physical disability and exercise limitations.*

Designed for the student with a physical disability who is unable to participate in regular physical education classes. A medical doctor’s written prescription of exercise limitations is required. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 150**  
**Adapted Physical Education**  
**1 Unit**  
**Grade or Pass/ No Pass**  
*Prerequisite(s): Physician’s written prescription of exercise limitations.*

Designed for the student with a physical disability who is unable to participate in regular physical education classes. A medical doctor’s written prescription of exercise limitations is required. 54 lab hours. CSU

**KIN 151**  
**Body Conditioning**  
**1 Unit**  
**Grade or Pass/ No Pass**  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*

This course will include general conditioning exercises, aerobic exercises, and exercises to develop flexibility and strength. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 152**  
**Weight Training**  
**1 Unit**  
**Grade or Pass/ No Pass**  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*

This course is designed to develop both the large and small group skeletal muscles through a program of weight lifting, circuit training, power lifting, Olympic lifting, and conditioning. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 153**  
**Walking/ Jogging**  
**1 Unit**  
**Grade or Pass/ No Pass**  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*

A walking/jogging program that consists of cardiovascular activity alternately at a slow to moderate pace. This program is designed to build cardiorespiratory stamina and endurance, attack excessive weight, relieve psychological tension, and enhance one’s sense of wellbeing. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 159**  
**Cardiovascular Training**  
**1 Unit**  
**Grade or Pass/ No Pass**  
This course will offer a non-competitive environment in which the student can develop a total fitness program. This program will promote areas of muscular strength, flexibility and cardiovascular endurance. A philosophy of “Fitness for Life” will be the ultimate objective. Every student will be encouraged to regulate his/her program so that it will be enjoyable on a long-term basis. 18 lecture hours, 18 lab hours. CSU; UC

**KIN 169**  
**Introduction to Coaching**  
**3 Units**  
**Grade or Pass/ No Pass**  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*

This course is to study the different aspects of coaching including philosophies and techniques. It will provide the student with a basic understanding of coaching on all levels. The topics included will be recruiting, tryouts, pre and post season development, conditioning, weight training, practice organization, game strategies, motivation techniques, legal aspects, public relations, media, fundraising and ethics. 54 lecture hours. CSU; UC

**KIN 170**  
**Fitness for Life**  
**3 Units**  
**Grade or Pass/ No Pass**  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*

This course explains the mechanics of a proper exercise and diet program through lecture and exercise activities. Various forms of exercise will be presented for trial by each student to develop a personal fitness prescription. 54 lecture hours. CSU; UC

**KIN 171**  
**Health Science**  
**3 Units**  
**Grade or Pass/ No Pass**  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*

This course is designed to explore the major areas of health that will have an effect on the well-being of the individual now and in the future. 54 lecture hours. CSU; UC
KIN 171H
Health Science - Honors
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course is designed to explore the major areas of health that will have an effect on the well-being of the individual now and in the future. Students are expected to work and participate at an honors level which includes strong critical thinking skills, through analysis of readings, presentation, and leadership skills demonstrated through class participation/presentation during the investigation of health/fitness topics. 54 lecture hours. CSU; UC

KIN 172
Introduction to Physical Education
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course explores the history and principles of physical education, exercise science, and sport. The objectives are to define and investigate the importance of physical education with a view toward developing a basic philosophy and background for professional education. 54 lecture hours. CSU; UC

KIN 173
Nutrition for Fitness
3 Units
Grade or Pass/ No Pass
This course is designed to provide knowledge about the basic principles of nutrition and to study the role nutrition plays in health promotion. 54 lecture hours. CSU; UC

KIN 174
Introduction to Team Sports
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A course of study to give the student entering the field of physical education a survey and basic analysis of the team sports: football, baseball, basketball, softball, volleyball, soccer, badminton, tennis, swimming, water polo and track. 54 lecture hours. CSU; UC

KIN 175
Introduction to Individual and Dual Sports
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A course of study to give the student entering the field of physical education a survey and basic analysis of individual sports: archery, badminton, bowling, golf, handball, karate, angling, skateboard- ing, swimming, tennis, track and field, weightlifting and wrestling. 54 lecture hours. CSU; UC

KIN 176
Elementary School Physical Education
3 Units
Grade or Pass/ No Pass
An introductory course that will acquaint students with physical education programs for grades K-6. The course will include observation and visitation with elementary age students. The course will include methods, skills, and activities used in teaching elementary physical education. The class is recommended for elementary education and physical education majors. 54 lecture hours. CSU

KIN 177
First Aid - Responding to Emergencies
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Complies with requirements as set forth by the American National Red Cross for first aid responding to emergencies. Students have the option to receive certification cards in Adult CPR/AED, Child and Infant CPR and First Aid. There is a lab fee to receive the certification that will be collected in class. 54 lecture hours. CSU; UC

KIN 178
Care and Prevention of Athletic Injuries
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course is an overview of sports medicine, intended for those students in the fields of physical education, coaching and athletic training. This course covers the basics of exercise physiology, biomechanics, human motor learning, sports injuries and other special topics in sports medicine. 54 lecture hours. CSU; UC

KIN 185
Softball Theory
2 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course prepares the student to administer a softball program. It will include practice organization, administration, and live game strategy. 36 lecture hours. CSU; UC

KIN 186
Basketball Theory
2 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course prepares the student to administer a baseball program. It will include teaching methods, practice organization, administration, scouting and live game strategy. 36 lecture hours. CSU; UC

KIN 187
Basketball Theory
2 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Development of game techniques and strategy used in intercollegiate basketball. The course will also include teaching methods, practice organization, scouting and administration. 36 lecture hours. CSU; UC

KIN 188
Aquatic Theory and Techniques
2 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Content focuses on the biomechanical and technical analysis of intercollegiate water polo, swimming and diving. 36 lecture hours. CSU; UC
Kinesiology  
Competitive Athletics

Participation in varsity sports is available to students who possess the highest level of athletic proficiency. Participation includes competition against other California Community Colleges.

Student-athletes must be actively enrolled and attending 12 units during their first semester of competition (9 of which must be academic) including enrollment in the varsity sport class. Student-athletes must maintain a 2.0 grade point average and have passed a cumulative 24 units (18 of which must be academic) to qualify for their second season of the same sport.

Student-athletes can only compete in two years of the same sport.

A student transferring for academic or athletic participation, who has previously participated in intercollegiate athletics at another California Community College, must complete 12 units in residence prior to the beginning of the semester of competition of which a maximum of 8 units may be earned during the summer session. Participants must pass a physical examination prior to being released to compete. See Athletic Director for more information.

Kinesiology  
Competitive Athletics Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Grade or Pass/No Pass</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINC 101</td>
<td>Physical Conditioning for Varsity Volleyball</td>
<td>2</td>
<td>Grade or Pass/No Pass</td>
<td>Strongly Recommended: Must be a varsity college athlete/varsity college prospect or with coaches’ permission.  This course is designed to provide a physical conditioning program for the student interested in intercollegiate volleyball. Students in this course must provide a current copy of a physical to the athletic trainers prior to participation. This course may be taken four times. 54 lab hours. CSU; UC</td>
</tr>
<tr>
<td>KINC 102</td>
<td>Physical Conditioning for Varsity Soccer</td>
<td>2</td>
<td>Grade or Pass/No Pass</td>
<td>Strongly Recommended: Must be a varsity college athlete/varsity college prospect or with coaches’ permission.  This course is designed to provide a physical conditioning program for the student interested in intercollegiate soccer. Students in this course must provide a current copy of a physical to the athletic trainers prior to participation. This course may be taken four times. 108 lab hours. CSU; UC</td>
</tr>
<tr>
<td>KINC 103</td>
<td>Physical Conditioning for Varsity Water Polo</td>
<td>2</td>
<td>Grade or Pass/No Pass</td>
<td>Must be a varsity college athlete/varsity college prospect or with coaches’ permission.  This course is designed to provide a physical conditioning program for the student interested in intercollegiate water polo. Students in this course must provide a current copy of a physical to the athletic trainers prior to participation. This course may be taken four times. 108 lab hours. CSU; UC</td>
</tr>
<tr>
<td>KINC 104</td>
<td>Physical Conditioning for Varsity Football</td>
<td>1</td>
<td>Grade or Pass/No Pass</td>
<td>Strongly Recommended: Must be a varsity college athlete/varsity college prospect or with coaches’ permission.  This course is designed to provide a physical conditioning program for the student interested in intercollegiate football. Students in this course must provide a current copy of a physical to the athletic trainers prior to participation. This course may be taken four times. 108 lab hours. CSU; UC</td>
</tr>
<tr>
<td>KINC 105</td>
<td>Physical Conditioning for Varsity Cross Country</td>
<td>2</td>
<td>Grade or Pass/No Pass</td>
<td>Must be a varsity college athlete/varsity college prospect or with coaches’ permission.  This course is designed to provide a physical conditioning program for the student interested in intercollegiate cross country. Students in this course must provide a current copy of a physical to the athletic trainers prior to participation. This course may be taken four times. 108 lab hours. CSU; UC</td>
</tr>
<tr>
<td>KINC 106</td>
<td>Physical Conditioning for Varsity Golf</td>
<td>2</td>
<td>Grade or Pass/No Pass</td>
<td>Must be a varsity college athlete/varsity college prospect or with coaches’ permission.  This course is designed to provide a physical conditioning program for the student interested in intercollegiate golf. Students in this course must provide a current copy of a physical to the athletic trainers prior to participation. This course may be taken four times. 108 lab hours. CSU; UC</td>
</tr>
<tr>
<td>KINC 107</td>
<td>Physical Conditioning for Varsity Softball</td>
<td>2</td>
<td>Grade or Pass/No Pass</td>
<td>Must be a varsity college athlete/varsity college prospect or with coaches’ permission.  This course is designed to provide a physical conditioning program for the student interested in intercollegiate softball. Students in this course must provide a current copy of a physical to the athletic trainers prior to participation. This course may be taken four times. 108 lab hours. CSU; UC</td>
</tr>
</tbody>
</table>
KINC 108
Physical Conditioning for Varsity Baseball
2 Units
Grade or Pass/ No Pass
Strongly Recommended: Must be a varsity college athlete/ varsity college prospect or with coaches’ permission.
This course is designed to provide a physical conditioning program for the student interested in intercollegiate baseball. Students in this course must provide a current copy of a physical to the athletic trainers prior to participation. This course may be taken four times. 108 lab hours. CSU; UC

KINC 109
Physical Conditioning for Varsity Swimming
2 Units
Grade or Pass/ No Pass
Strongly Recommended: Must be a varsity college athlete/ varsity college prospect or with coaches’ permission.
This course is designed to provide a physical conditioning program for the student interested in intercollegiate swimming. Students in this course must provide a current copy of a physical to the athletic trainers prior to participation. This course may be taken four times. 108 lab hours. CSU; UC

KINC 110
Physical Conditioning for Varsity Basketball
1 Unit
Grade or Pass/ No Pass
Strongly Recommended: Must be a varsity college athlete/ varsity college prospect or with coaches’ permission.
This course is designed to provide a physical conditioning program for the student interested in intercollegiate basketball. Students in this course must provide a current copy of a physical to the athletic trainers prior to participation. This course may be taken four times. 54 lab hours. CSU; UC

KINC 130
Off Season Conditioning for Varsity Basketball
1 Unit
Grade or Pass/ No Pass
Prerequisite(s): Must be a college varsity athlete/college varsity prospect or with coaches’ permission.
This course provides intermediate and advanced instruction and practice in the skills and strategies of varsity basketball. This course may be taken four times. 54 lab hours.

KINC 131
Off Season Conditioning for Varsity Volleyball
1 Unit
Grade or Pass/ No Pass
Prerequisite(s): Must be a college varsity athlete/college varsity prospect or with coaches’ permission.
This course provides intermediate and advanced instruction and practice in the skills and strategies of varsity volleyball. This course may be taken four times. 54 lab hours.

KINC 132
Off Season Conditioning for Varsity Soccer
1 Unit
Grade or Pass/ No Pass
Prerequisite(s): Must be a college varsity athlete/college varsity prospect or with coaches’ permission.
This course provides intermediate and advanced instruction and practice in the skills and strategies of varsity soccer. This course may be taken four times. 54 lab hours.

KINC 133
Off Season Conditioning for Varsity Water Polo
1 Unit
Grade or Pass/ No Pass
Prerequisite(s): Must be a college varsity athlete/college varsity prospect or with coaches’ permission.
This course provides intermediate and advanced instruction and practice in the skills and strategies of varsity water polo. This course may be taken four times. 54 lab hours.

KINC 134
Off Season Conditioning for Varsity Football
1 Unit
Grade or Pass/ No Pass
Prerequisite(s): Must be a college varsity athlete/college varsity prospect or with coaches’ permission.
This course provides intermediate and advanced instruction and practice in the skills and strategies of varsity football. This course may be taken four times. 54 lab hours.

KINC 135
Off Season Conditioning for Varsity Cross Country
1 Unit
Grade or Pass/ No Pass
Prerequisite(s): Must be a college varsity athlete/college varsity prospect or with coaches’ permission.
This course provides intermediate and advanced instruction and practice in the skills and strategies of varsity cross country. This course may be taken four times. 54 lab hours.

KINC 137
Off Season Conditioning for Varsity Softball
1 Unit
Grade or Pass/ No Pass
Prerequisite(s): Must be a college varsity athlete/college varsity prospect or with coaches’ permission.
This course provides intermediate and advanced instruction and practice in the skills and strategies of varsity softball. This course may be taken four times. 54 lab hours.

KINC 138
Off Season Conditioning for Varsity Baseball
1 Unit
Grade or Pass/ No Pass
Prerequisite(s): Must be a college varsity athlete/college varsity prospect or with coaches’ permission.
This course provides intermediate and advanced instruction and practice in the skills and strategies of varsity baseball. This course may be taken four times. 54 lab hours.
KI NC 139  
Off Season Conditioning for Varsity Swimming  
1 Unit  
Grade or Pass/ No Pass  
Prerequisite(s): Must be a college varsity athlete/college varsity prospect or with coaches’ permission.  
This course provides intermediate and advanced instruction and practice in the skills and strategies of varsity swimming. This course may be taken four times. 54 lab hours.

KI NC 145  
Strength Training, Balance and Agility for Varsity Athletes  
1 Unit  
Grade or Pass/ No Pass  
Strongly Recommended: Must be a varsity college athlete/varsity college prospect or with coaches’ permission.  
Designed to introduce student-athletes to proprioceptive training. Proprioceptive training can improve balance, core strength, quickness, and agility and reduce the risk of injury. This type of training can benefit all movements performed in our daily life, not just those dealing with sports or athletic movements. This course may be taken four times. 54 lab hours. CSU

KI NC 209  
Women’s Varsity Soccer  
3 Units  
Grade or Pass/ No Pass  
Strongly Recommended: Advanced Soccer skills to participate in a competitive collegiate experience.  
Intercollegiate competition in women’s varsity soccer. This course may be taken four times. 162 lab hours. CSU

KI NC 212  
Varsity Swimming  
2 Units  
Grade or Pass/ No Pass  
Strongly Recommended: Advanced swimming skills to participate in a competitive collegiate experience.  
Must be a varsity college athlete/varsity college prospect or have coach’s permission.  
Intercollegiate competition in varsity swimming. This course may be taken four times. 108 lab hours. CSU

KI NC 213  
Women’s Varsity Basketball  
2 Units  
Grade or Pass/ No Pass  
Strongly Recommended: Advanced basketball skills to participate in a competitive collegiate experience.  
Intercollegiate competition in women’s varsity basketball. This course may be taken four times. 108 lab hours. CSU; UC

KI NC 214  
Women’s Varsity Softball  
2 Units  
Grade or Pass/ No Pass  
Strongly Recommended: Advanced softball skills to participate in a competitive collegiate experience.  
Intercollegiate competition in women’s varsity softball. This course may be taken four times. 108 lab hours. CSU

KI NC 216  
Varsity Cross Country  
3 Units  
Grade or Pass/ No Pass  
Strongly Recommended: Advanced cross country skills to participate in a competitive collegiate experience.  
Must be a college varsity athlete/varsity college prospective athlete or with coach’s permission.  
Intercollegiate competition in varsity cross country. This course may be taken four times. 162 lab hours. CSU; UC

KI NC 220  
Men’s Varsity Football  
3 Units  
Grade or Pass/ No Pass  
Strongly Recommended: Advanced football skills to participate in a competitive collegiate experience.  
Intercollegiate competition in men’s varsity football. This course may be taken four times. 162 lab hours. CSU; UC

KI NC 221  
Men’s Varsity Basketball  
2 Units  
Grade or Pass/ No Pass  
Strongly Recommended: Advanced basketball skills to participate in a competitive collegiate experience.  
Intercollegiate competition in men’s varsity basketball. This course may be taken four times. 108 lab hours. CSU

KI NC 224  
Men’s Varsity Baseball  
2 Units  
Grade or Pass/ No Pass  
Strongly Recommended: Advanced baseball skills to participate in a competitive collegiate experience.  
Intercollegiate competition in men’s varsity baseball. This course may be taken four times. 108 lab hours. CSU

KI NC 225  
Men’s Varsity Golf  
3 Units  
Grade or Pass/ No Pass  
Strongly Recommended: Advanced golf skills to participate in a competitive collegiate program.  
Intercollegiate competition in men’s varsity golf. This course may be taken four times. 162 lab hours. CSU; UC (pending)

KI NC 227  
Women’s Varsity Golf  
3 Units  
Grade or Pass/ No Pass  
Strongly Recommended: Advanced golf skills to participate in a competitive collegiate experience.  
Intercollegiate competition in women’s varsity golf. This course may be taken four times. 162 lab hours. CSU; UC

KI NC 229  
Men’s Varsity Water Polo  
3 Units  
Grade or Pass/ No Pass  
Strongly Recommended: Advanced swimming skills to participate in a competitive collegiate experience.  
Intercollegiate competition in men’s varsity water polo. This course may be taken four times. 162 lab hours. CSU; UC
KINC 230
Women’s Varsity Water Polo
3 Units
Grade or Pass/ No Pass
Strongly Recommended: Advanced swimming skills to participate in a competitive collegiate experience. Intercollegiate competition in women’s varsity water polo. This course may be taken four times. 162 lab hours. CSU; UC (pending)

KINC 231
Men’s Varsity Soccer
3 Units
Grade or Pass/ No Pass
Strongly Recommended: Advanced soccer skills to participate in a competitive collegiate experience. Intercollegiate competition in men’s varsity soccer. This course may be taken four times. 162 lab hours. CSU; UC

KINC 232
Intercollegiate Basketball for Men
1 Unit
Grade or Pass/ No Pass
Strongly Recommended: Advanced basketball skills to participate in a competitive collegiate experience. Intercollegiate competition for men’s varsity basketball. This course may be taken four times. 54 lab hours. CSU

KINC 233
Intercollegiate Basketball for Women
1 Unit
Grade or Pass/ No Pass
Strongly Recommended: Advanced basketball skills to participate in a competitive collegiate experience. Intercollegiate competition for women’s varsity basketball. This course may be taken four times. 54 lab hours. CSU

KINC 234
Intercollegiate Softball
1 Unit
Grade or Pass/ No Pass
Strongly Recommended: Advanced softball skills to participate in a competitive collegiate experience. Intercollegiate competition for women’s varsity softball. This course may be taken four times. 54 lab hours. CSU

KINC 235
Intercollegiate Baseball
1 Unit
Grade or Pass/ No Pass
Strongly Recommended: Advanced baseball skills to participate in a competitive collegiate experience. Intercollegiate competition for men’s varsity baseball. This course may be taken four times. 54 lab hours. CSU

KINC 236
Intercollegiate Swimming
1 Unit
Grade or Pass/ No Pass
Strongly Recommended: Advanced swimming skills to participate in a competitive collegiate experience. Intercollegiate competition for varsity swimming. This course may be taken four times. 54 lab hours. CSU

Leadership Course
(Office of Student Life and Leadership)
The program is unique in that one of its goals is to ensure the continuation of quality student representation in the participatory decision making efforts of the district. The program seeks to instill within its students a practical sense of dynamics within an organization and some of the techniques that leaders utilize to enhance the effectiveness of the group as well as how to run meetings through the proper use of parliamentary procedure. In addition, the program places a heavy emphasis on self-knowledge and reflection.

LEAD 103
Foundations of Leadership
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A survey of the foundational theories and applications of leadership. Leadership is examined from the individual to its applications in the team and organizational settings. Emphasis is placed on the development of the student as a leader. This course is required either as a co-requisite or prerequisite to holding a leadership position in the campus’ student government association. 54 lecture hours. CSU; UC

LING 101
Introduction to Language and Linguistics
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An introduction to the study of language and the fundamental concepts in the field of linguistics. Emphasis is on the nature of human language, including differences and universals of linguistic structures, and the analysis of the syntactic, morphological, and phonological systems of languages. First and second language acquisition and the role of language in society will also be explored. Does not meet Major Prep requirements for Anthropology. 54 lecture hours. CSU; UC

Mathematics
(Mathematics Department)
Mathematics is the abstract deductive study of structure and pattern which serves as the foundation of science and technology. Transfer courses in mathematics emphasize the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra. Courses satisfy general education requirements for an associate degree in mathematics, an associate degree in liberal arts with an emphasis in mathematics, and lower division transfer.

Mathematics Courses
MATH 020
Arithmetic Fundamentals
1 Unit
Pass/ No Pass
Prerequisite(s): Placement is based on multiple assessment measures. Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The four basic operations of arithmetic on whole numbers, fractions, and decimals, with applications. Ratios, proportions, and percents with applications. The course will be offered on a Pass/No Pass basis only. 54 lab hours.
MATH 029  
Prealgebra  
4 Units  
Grade or Pass/ No Pass  
Prerequisite(s): MATH 020 or placement is based on multiple assessment measures.  
This course is designed to prepare a student for Elementary Algebra. Topics include a review of arithmetic, a study of signed numbers, an introduction to fundamental algebraic concepts, solving equations, and solving applied problems. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 72 lecture hours.

MATH 030  
Elementary Algebra  
4 Units  
Grade or Pass/ No Pass  
Prerequisite(s): MATH 029 or placement is based on multiple assessment measures including cut-scores.  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
Properties of real numbers and expressions; linear equations and inequalities in one and two variables; systems; proportion and variation; exponents; polynomials; factoring; graphs; functions; applications. NOTE: The precollegiate algebra sequence is MATH 029, 030, and 150 OR MATH 029, 032, and 142. CREDIT MAY NOT BE EARNED FOR BOTH MATH 032 AND MATH 030. 90 lecture hours.

MATH 031  
Plane Geometry  
4 Units  
Grade or Pass/ No Pass  
Prerequisite(s): MATH 030 or placement is based on multiple assessment measures.  
A first course in geometry. Elementary logic, properties of geometric figures, parallel and perpendicular lines, ratio and proportion, congruence, area, and volume. 72 hours lecture. 72 lecture hours.

MATH 032  
Beginning and Intermediate Algebra I  
4 Units  
Grade or Pass/ No Pass  
Prerequisite(s): MATH 029 or placement is based on multiple assessment measures including cut-scores.  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
Properties of real numbers and expressions; linear equations and inequalities in one and two variables; systems; proportion and variation; exponents; polynomials; factoring; graphs; functions; applications. NOTE: The precollegiate algebra sequence is MATH 029, 030, and 150 OR MATH 029, 032, and 142. CREDIT MAY NOT BE EARNED FOR BOTH MATH 032 AND MATH 030. 90 lecture hours.

MATH 142  
Beginning and Intermediate Algebra II  
5 Units  
Grade or Pass/ No Pass  
Prerequisite(s): MATH 032.  
Rational, Radical, Quadratic, Exponential and Logarithmic Expressions, Functions, and Equations; Complex Numbers; Inverse Functions; Conic Sections. NOTE: The precollegiate algebra sequence is MATH 029, 030, and 150 OR MATH 029, 032, and 142. THIS COURSE MAY NOT BE TAKEN CONCURRENTLY WITH EITHER MATH 148, 149 OR 150. STUDENTS MAY NOT EARN MORE THAN A TOTAL OF FIVE UNITS IN ANY COMBINATION OF MATH 142, 148, 149, AND 150. 90 lecture hours.

MATH 148  
Intermediate Algebra I  
2.5 Units  
Grade or Pass/ No Pass  
Prerequisite(s): MATH 030 or placement is based on multiple assessment measures.  
Presents the first half of a two-semester course in intermediate algebra. This course enables students to complete Intermediate Algebra (MATH 150) at a slower pace. Real number properties, first degree equations and inequalities, absolute value equations and inequalities, formulas, applications, exponents, polynomials, the binomial theorem, factoring, linear systems, functions, rational expressions, variation, radicals, complex numbers, quadratic equations, conics, inverse functions, and exponential and logarithmic functions. NOTE: THIS COURSE MAY NOT BE TAKEN CONCURRENTLY WITH EITHER MATH 148 OR 149. STUDENTS MAY NOT EARN MORE THAN A TOTAL OF FIVE UNITS IN ANY COMBINATION OF MATH 148, 149 AND 150. 90 lecture hours.

MATH 149  
Intermediate Algebra II  
2.5 Units  
Grade or Pass/ No Pass  
Prerequisite(s): MATH 148 or placement is based on multiple assessment measures.  
Presents the second half of a two-semester course in intermediate algebra. This course enables students to complete Intermediate Algebra (MATH 150) at a slower pace. Rational expressions, variation, radicals, complex numbers, quadratic equations, applications, conics, inverse functions, and exponential and logarithmic functions. NOTE: BOTH MATH 148 AND MATH 149 MUST BE COMPLETED TO SATISFY ANY PREREQUISITE REQUIRING INTERMEDIATE ALGEBRA. THIS COURSE MAY NOT BE TAKEN CONCURRENTLY WITH MATH 150. STUDENTS MAY NOT EARN MORE THAN A TOTAL OF FIVE UNITS IN ANY COMBINATION OF MATH 148, 149 AND 150. 54 lecture hours.

MATH 150  
Intermediate Algebra  
5 Units  
Grade or Pass/ No Pass  
Prerequisite(s): MATH 030 or MATH 142 or MATH 149 or MATH 150 or High School Geometry or placement is based on multiple assessment measures.  
Functions, the trigonometric functions: their graphs and identities, laws of sines and cosines, solutions of triangles, trigo-
Mathematics for Elementary Teachers

MATH 160
Survey of Mathematics
4 Units
Grade or Pass/ No Pass
Prerequisite(s): MATH 142 or MATH 149 or MATH 150 or placement is based on multiple assessment measures.
A course in mathematical concepts for the liberal arts student. Topics include sets and logic, problem solving, numeration systems, consumer applications, geometry, probability, statistics, and computer applications. 72 lecture hours. CSU

MATH 162
Introductory Mathematical Analysis
4 Units
Grade or Pass/ No Pass
Prerequisite(s): MATH 149 or MATH 150 or MATH 142 or placement is based on multiple assessment measures.
Concepts of function and limits: applied calculus emphasizing techniques of integration and differentiation with applications in social and life sciences, business administration, economics, and engineering technology. 72 lecture hours. CSU; UC

MATH 165
Introductory Statistics
4 Units
Grade Only
Prerequisite(s): MATH 149 or MATH 150 or MATH 142 or placement is based on multiple assessment measures.
Introductory course to statistics and probability, descriptive analysis, and presentation of data, hypothesis testing, statistical inference, normal curve, chi-square, and applications in diverse disciplines. 72 lecture hours. CSU; UC

MATH 168
Mathematics for Elementary Teachers I
4 Units
Grade Only
Prerequisite(s): MATH 142 or MATH 150 or MATH 149 or placement is based on multiple assessment measures.
Course is designed for prospective elementary teachers. The course covers sets, logic, number systems, number theory and algebra functions. Techniques in instructional delivery explored. 72 lecture hours. CSU; UC

MATH 169
Mathematics for Elementary Teachers II
4 Units
Grade Only
Prerequisite(s): MATH 168 or placement is based on multiple assessment measures.
Second class for elementary school teachers. Course covers topics in measurement, geometry, probability and statistics. Techniques in the design of instruction delivery will be explored. 72 lecture hours. CSU; UC

MATH 170
College Algebra
4 Units
Grade Only
Prerequisite(s): MATH 149 or MATH 150 or placement is based on multiple assessment measures.
College level course in algebra for majors in the Liberal Arts. Polynomial, rational, radical, exponential, absolute value, and logarithmic functions; systems of equations; theory of polynomial equations; analytic geometry. 72 lecture hours. CSU; UC

MATH 175
Pre-Calculus
4 Units
Grade Only
Prerequisite(s): MATH 151 or placement is based on multiple assessment measures.
Preparation for calculus; polynomial, rational, exponential, logarithmic, and trigonometric functions; analytic geometry; mathematical induction. 72 lecture hours. CSU; UC

MATH 190
Calculus with Analytic Geometry I
4 Units
Grade or Pass/ No Pass
Prerequisite(s): MATH 175 or placement is based on multiple assessment measures.
A first course in differential and integral calculus of a single variable: functions; limits and continuity; techniques and applications of differentiation and integration; Fundamental Theorem of Calculus. Primarily for science, technology, engineering & math majors. 72 lecture hours. CSU; UC

MATH 191
Calculus with Analytic Geometry II
5 Units
Grade or Pass/ No Pass
Prerequisite(s): MATH 190.
A second course in differential and integral calculus of a single variable: integration; techniques of integration; infinite sequences and series; polar and parametric equations; applications of integration. Primarily for science, technology, engineering & math majors. 90 lecture hours. CSU; UC

MATH 210
Calculus with Analytic Geometry III
5 Units
Grade or Pass/ No Pass
Prerequisite(s): MATH 191.
Vectors, calculus of functions of more than one variable, partial derivatives, multiple integration, vector calculus, Green's Theorem, Stokes' Theorem, and divergence theorem. 90 lecture hours. CSU; UC

MATH 211
Differential Equations
5 Units
Grade or Pass/ No Pass
Prerequisite(s): MATH 191.
First and second order (linear and non-linear) differential equations, with emphasis on modeling applications. Numerical methods. Basic linear algebra. Systems of linear and non-linear differential equations and their applications. Application of linear algebra to systems. Power series methods. 90 lecture hours. CSU; UC

MATH 212
Introduction to Linear Algebra
4 Units
Grade Only
Prerequisite(s): MATH 191.
This course develops the techniques and theory needed to solve and classify systems of linear equations. Solution techniques include row operations, Gaussian elimination, and matrix algebra. The course investigates the properties of vectors in two and three dimensions, leading to the notion of an abstract vector space. Vector space and matrix theory are presented including topics such as inner products, norms, orthogonality, eigenvalues, eigenspaces, and linear transformations. Selected applications of linear algebra are included. This introduction to linear algebra course complements coursework in calculus. 72 lecture hours. CSU; UC
Motorcycle Technology
(Automotive Technology Department)

Motorcycle Technology, a career technical program, provides the theoretical background and practical experience necessary to gain entry-level employment or advancement as motorcycle technicians. Courses lead to a certificate of achievement in Motorcycle Service, Diagnosis and Repair Technician.

Motorcycle Technology Courses

MOTO 141
Motorcycle Engine Mechanical Systems Service, Diagnosis & Repair
4 Units
Grade or Pass/ No Pass
Prerequisite(s): AUTO 101 or MOTO 101.
Intended for those students majoring in motorcycle technology or those currently employed with a motorcycle service/repair establishment seeking to improve their skills. This course covers essential engine theory, inspection, diagnosis, service and repair. Engine inspection and measurements are covered, with emphasis on in-vehicle repairs. 54 lecture hours, 54 lab hours. CSU

MOTO 142
Motorcycle Power Transmission System Service, Diagnosis & Repair
5 Units
Grade or Pass/ No Pass
Prerequisite(s): AUTO 101 or MOTO 101.
Intended for those students majoring in motorcycle technology or those currently employed with a motorcycle service/repair establishment seeking to improve their skills. The course covers essential power transmission theory; inspection, diagnosis, service & repair of transmissions primary and secondary drive systems including chain, belt, gear, and shaft-drive systems. 72 lecture hours, 54 lab hours. CSU

MOTO 144
Motorcycle Chassis System Service, Diagnosis & Repair
5 Units
Grade or Pass/ No Pass
Prerequisite(s): AUTO 101 or MOTO 101.
Generally intended for those students majoring in motorcycle technology and/or currently employed with a motorcycle service/repair establishment. The course covers essential chassis system theory; inspection, diagnosis, service & repair of the following motorcycle systems: Brake, steering, suspension, alignment, wheels and tires. ABS and linked-brake systems are introduced. 72 lecture hours, 54 lab hours. CSU

MOTO 146
Motorcycle Electrical System Service, Diagnosis & Repair
4 Units
Grade or Pass/ No Pass
Prerequisite(s): AUTO 101 or MOTO 101.
Generally intended for those students majoring in automotive technology and/or currently employed with a motorcycle service/repair establishment. This course covers essential electrical and electronic systems theory, along with inspection, diagnosis, service & repair of specific electronic systems including the battery, starting systems, charging systems, lighting systems, gauges, instrument-panel warning lights and power accessories. 54 lecture hours, 54 lab hours. CSU

MOTO 148
Motorcycle Engine Management System Service, Diagnosis & Repair
5 Units
Grade or Pass/ No Pass
Prerequisite(s): AUTO 101 or MOTO 101. Also, AUTO 146 or AUTO 156 or MOTO 146.
Generally intended for those students majoring in motorcycle technology and/or currently employed with a motorcycle service/repair establishment. The course covers essential engine management system theory, along with inspection, diagnosis, service & repair of the following systems: Ignition, air and fuel delivery, electronic engine controls, and auxiliary emission controls. 72 lecture hours, 54 lab hours. CSU

MOTO 201
Motorcycle Dynamics and Chassis Systems
4 Units
Grade or Pass/ No Pass
Prerequisite(s): AUTO 151 and AUTO 156.
Generally intended for those students majoring in motorcycle technology and/or currently employed with a motorcycle service technician. Study of motorcycle service/repair establishment. The course covers essential chassis system theory; inspection, diagnosis, service & repair of the following motorcycle systems: Brake, steering, suspension, alignment, wheels and tires. ABS and linked-brake systems are introduced. 72 lecture hours, 54 lab hours. CSU

Medium & Heavy Diesel Truck Technology
(Automotive Technology Department)

Medium and Heavy Diesel Truck Technology is a career technical program, provides the theoretical background and practical experience necessary to gain entry-level employment or advancement as heavy duty truck service/repair technicians. Courses lead to a certificate of achievement in Medium and Heavy Diesel Truck Service, Diagnosis, and Repair Technician.

Medium & Heavy Diesel Truck Technology Courses

MTRK 151
Medium and Heavy Truck Engines Service, Diagnosis, and Repair
5 Units
Grade or Pass/ No Pass
Prerequisite(s): AUTO 101.
Strongly Recommended: MATH 029 or higher level MATH course. Also, ENGL 009 if required by English placement exam or if required by English level.
Intended for those students majoring in Medium and Heavy Duty Truck or those currently employed with a medium and heavy truck service/repair establishment seeking to improve their skills. This course covers essential engine theory, inspection, diagnosis, service and repair. Engine inspection and measurements are covered, with emphasis on in-vehicle repairs. This course prepares students for ASE Truck Gas and Diesel Engine Repair (T-1, T-2) certification exam. 54 lecture hours, 126 lab hours. CSU
MTRK 152  
Medium and Heavy Truck Drivetrain Service, Diagnosis, and Repair  
5 Units  
Grade or Pass/ No Pass  
Prerequisite(s): AUTO 101.  
Strongly Recommended: MATH 029 or higher level math course. Also, ENGL 099 if required by English placement exam or if required by English level.  
Intended for those seeking a career in the medium and heavy truck service and repair industry. This course focuses on the service, diagnosis and repair of the manual and automatic automotive drivetrain systems. Appropriate lab activities in automobile drivetrain inspection, service and repair are included. The course prepares students for the ASE Automatic Transmission (T3) and Manual Drivetrain(T3) certification exams. 54 lecture hours, 126 lab hours. CSU

MTRK 154  
Medium and Heavy Truck Chassis Service, Diagnosis, and Repair  
5 Units  
Grade or Pass/ No Pass  
Prerequisite(s): AUTO 101.  
Strongly Recommended: MATH 115 or higher level math course. Also, ENGL 099 if required by English placement exam or if required by English level.  
Intended for those seeking a career in the medium and heavy duty truck service and repair industry. This course covers essential chassis system theory, along with inspection, diagnosis, service & repair of the following systems: brake, steering, suspension, alignment, wheel/ tire, and ABS. Course prepares students for ASE Suspension and Steering (T4) and ASE Brakes (T5) certification. 54 lecture hours, 126 lab hours. CSU

MTRK 158  
Medium and Heavy Truck Maintenance and Inspection  
5 Units  
Grade or Pass/ No Pass  
Strongly Recommended: MATH 030. Also, ENGL 099 if required by English placement exam or if required by English level.  
Intended for students seeking a career in the medium and heavy duty truck service and repair industry, this course covers essential maintenance theory, along with inspection procedures of the following systems: cooling systems, lubrication systems, powertrain systems, brakes, steering and suspension systems. This course prepares students for the Preventative Maintenance Inspection (T8) ASE certification. 54 lecture hours, 126 lab hours. CSU

Music
(Performing Arts Department)

The study of music provides training in instrumental competency, vocal competency, performance, techniques, and application and provides a foundational background for music appreciation, history and theory.

Music offers courses in four areas of concentration: commercial music, history and theory, instrumental, and vocal. Both a transfer and a career technical education program, music offers performance opportunities for music majors and non-majors. Courses in music satisfy general education requirements for the associate degree and lower division transfer requirements.

Important Information About Music Course Descriptions

Most music courses are now grouped together as course “families.” Students are allowed to take only four courses from each “family.” All grades received, including F, WD, and NC grades count towards the four courses.

The Music course families are listed as follows.

Developmental
MUSE 020 - Foundational Music Reading  
MUSE 070 - Foundational Rhythm  
MUSE 090 - Introduction to Instrumental Ensemble Performance

Individual Instruction
MUSP 290 - Applied Music I Beginning  
MUSP 291 - Applied Music II Intermediate  
MUSP 292 - Applied Music III Intermediate/Advanced

Choral
MUSC 106 - Show Choir I  
MUSC 107 - Show Choir II  
MUSC 206 - Show Choir III  
MUSC 207 - Show Choir IV  
MUSP 100 - Concert Choir I Beginning  
MUSP 101 - Concert Choir II Intermediate  
MUSP 105 - Women’s Ensemble I - Beginning  
MUSP 106 - Women’s Ensemble II - Intermediate  
MUSP 110 - Vocal Ensemble I Beginning  
MUSP 111 - Vocal Ensemble II Intermediate  
MUSP 200 - Concert Choir III Intermediate/Advanced  
MUSP 201 - Concert Choir IV Advanced

Symphonic
MUSP 145 - Wind Symphony I  
MUSP 146 - Wind Symphony II  
MUSP 245 - Wind Symphony III  
MUSP 246 - Wind Symphony IV  

Jazz
MUSC 122 - Jazz Ensemble  
MUSC 123 - Jazz Ensemble II  
MUSC 222 - Jazz Ensemble III  
MUSC 223 - Jazz Ensemble IV

Commercial
MUSC 200 - Styles, Techniques, and the Soul of Popular Singing  
MUSC 102 - Pop/Rock Ensemble I  
MUSC 103 - Pop/Rock Ensemble II  
MUSC 104 - Pop, Rock, and Jazz Performance Styles I  
MUSC 105 - Pop, Rock, and Jazz Performance Styles II  
MUSC 204 - Pop, Rock, and Jazz Performance Styles III

Chamber Music
MUSC 121 - Chamber Singers I Intermediate  
MUSC 122 - Chamber Singers II Intermediate  
MUSC 123 - Chamber Singers III Intermediate

MUSP 105 - Women’s Ensemble I - Beginning  
MUSP 106 - Women’s Ensemble II - Intermediate  
MUSP 110 - Vocal Ensemble I Beginning  
MUSP 111 - Vocal Ensemble II Intermediate  
MUSP 200 - Concert Choir III Intermediate/Advanced  
MUSP 201 - Concert Choir IV Advanced

Symphonic
MUSC 102 - Wind Symphony I  
MUSC 103 - Wind Symphony II  
MUSC 245 - Wind Symphony III  
MUSC 246 - Wind Symphony IV

Jazz
MUSC 122 - Jazz Ensemble  
MUSC 123 - Jazz Ensemble II  
MUSC 222 - Jazz Ensemble III  
MUSC 223 - Jazz Ensemble IV

Commercial
MUSC 200 - Styles, Techniques, and the Soul of Popular Singing  
MUSC 102 - Pop/Rock Ensemble I  
MUSC 103 - Pop/Rock Ensemble II  
MUSC 104 - Pop, Rock, and Jazz Performance Styles I  
MUSC 105 - Pop, Rock, and Jazz Performance Styles II  
MUSC 204 - Pop, Rock, and Jazz Performance Styles III

Chamber Music
MUSC 121 - Chamber Singers I Intermediate  
MUSC 122 - Chamber Singers II Intermediate  
MUSC 123 - Chamber Singers III Intermediate

MUSP 105 - Women’s Ensemble I - Beginning  
MUSP 106 - Women’s Ensemble II - Intermediate  
MUSP 110 - Vocal Ensemble I Beginning  
MUSP 111 - Vocal Ensemble II Intermediate  
MUSP 200 - Concert Choir III Intermediate/Advanced  
MUSP 201 - Concert Choir IV Advanced
Techniques
MUSC 140 - Jazz Improvisation I
MUSC 141 - Jazz Improvisation II
MUSC 151 - Songwriting I
MUSC 152 - Songwriting II
MUSC 240 - Jazz Improvisation III
MUSC 241 - Jazz Improvisation IV
MUSC 253 - Songwriting III
MUSC 254 - Songwriting IV
MUSE 130 - Voice - Beginning
MUSE 131 - Intermediate Voice
MUSE 160 - Standard Percussion
MUSE 161 - World Percussion
MUSE 180 - Summer Instrumental Music Academy
MUSE 188 - Music Production Software/Hardware I
MUSE 189 - Music Production Software/Hardware II
MUSE 225 - Popular Piano Styles
MUSE 230 - Voice - Intermediate/Advanced
MUSE 231 - Voice IV - Advanced
MUSP 151 - Individual Performance Techniques

Commercial Music Courses (MUSC)
MUSC 100 Styles, Technique, and the Soul of Popular Singing
2 Units
Grade or Pass/No Pass
Strongly Recommended: Audition.
Development of basic techniques and skills appropriate for singing various styles of commercial and popular music. Emphasis will be on fundamental singing techniques, song interpretation, and the joy of performing. Some music technology and the business of music will also be discussed. Solo and ensemble (back-up) singing performances are included. 36 lecture hours, 18 lab hours.

MUSC 101 Pop/Rock Ensemble I
2 Units
Grade Only
Prerequisite(s): Audition. Successful completion of MUSE 070 or MUSE 090 will support audition success.
Introductory study and performance of contemporary Pop, Rock, and Jazz styles. This course will focus on the various fusions of these diverse styles - including appropriate rehearsal and performance techniques. 36 lecture hours, 126 lab hours arranged. CSU; UC

MUSC 102 Pop/Rock Ensemble II
2 Units
Grade Only
Prerequisite(s): Audition. Successful completion of MUSE 070 or MUSE 090 will support audition success.
Intermediate study and performance of contemporary Pop, Rock, and Jazz styles. This course will focus on the various fusions of these diverse styles, including appropriate rehearsal and performance techniques. 36 lecture hours, 108 lab hours arranged. CSU; UC (pending)

MUSC 103 Pop/Rock Ensemble III
2 Units
Grade Only
Prerequisite(s): Audition.
A course for vocalists and instrumentalists in the techniques from Motown, Soul, Folk-Rock and Psychedelic Rock of the 60's to contemporary pop and rock, Tex-Mex and Salsa, and contemporary vocal jazz groups, with a focus on the small ensemble setting. Students will work extensively on these rock and pop stylings and within the application of a small group, with the intention of public performance. Public performance required. 36 lecture hours, 36 lab hours. CSU; UC

MUSC 104 Pop, Rock, and Jazz Performance Styles I
4 Units
Grade Only
Prerequisite(s): Audition. Successful completion of MUSE 070 or MUSE 090 will support audition success.
Introductory study and performance of contemporary Pop, Rock, and Jazz styles. This course will focus on the various fusions of these diverse styles - including appropriate rehearsal and performance techniques. 36 lecture hours, 126 lab hours arranged. CSU; UC

MUSC 105 Pop, Rock, and Jazz Performance Styles II
4 Units
Grade Only
Strongly Recommended: Audition and MUSC 104.
Intermediate study and performance of contemporary Pop, Rock, and Jazz styles. This course will focus on the various fusions of these diverse styles, including appropriate rehearsal and performance techniques. 36 lecture hours, 108 lab hours arranged. CSU; UC (pending)

MUSC 106 Show Choir I
4 Units
Grade Only
Prerequisite(s): Audition. Successful completion of MUSE 070 or MUSE 090 will support audition success.
This class is an introduction to "Show Choir". This class includes singing, dance and movement for vocalists and rhythm section/horn accompaniment. Public performance required. 36 lecture hours, 108 lab hours arranged. CSU; UC (pending)
MUSC 107
Show Choir II
4 Units
Grade Only
Prerequisite(s): Audition. Strongly Recommended: MUSC 106.
This class is designed to develop student’s “Show Choir” level to intermediate
status. This class includes singing, dance and movement for vocalists and rhythm
section/horn accompaniment. Public performance required. 36 lecture hours,
108 lab hours arranged. CSU
MUSC 118
Music Performance for Events
1 Unit
Grade Only
Music Performance for Events is designed for the student to learn and enjoy
the art of performing music for sports events and related functions. This course will
incorporate the selection of, and the ability to perform the appropriate material.
72 lab hours.
MUSC 120
Studio Laboratory Band I
4 Units
Grade Only
Prerequisite(s): Audition. Successful completion of MUSE 070 or
MUSE 090 will support audition success.
Exploration and performance of beginning large studio ensemble literature.
Topics include the performance of various contemporary styles, section playing, and
solo preparation in the studio ensemble setting. 54 lecture hours, 54 lab hours
arranged. CSU; UC
MUSC 121
Studio Laboratory Band II
4 Units
Grade Only
Prerequisite(s): MUSC 120 or Audition.
Exploration and performance of intermediate large studio ensemble literature.
Topics include the performance of various contemporary styles, section playing, and
solo preparation in the studio ensemble setting. 54 lecture hours, 54 lab hours
arranged. CSU; UC (pending)
MUSC 122
Jazz Ensemble I
4 Units
Grade Only
Prerequisite(s): Audition.
An introduction to the study and performance of large jazz ensemble music.
This course provides an opportunity to learn the techniques applicable to the
large jazz ensemble performance. Public performance required. 36 lecture hours,
126 lab hours arranged. CSU; UC
MUSC 123
Jazz Ensemble II
4 Units
Grade Only
Prerequisite(s): Audition.
An intermediate study and performance of large jazz ensemble music. This course
applies jazz techniques to performance situations for the large jazz ensemble.
Public performance required. 36 lecture hours, 126 lab hours arranged. CSU; UC
MUSC 124
Jazz Improvisation I
3 Units
Grade Only
Prerequisite(s): MUSC 140 or Audition.
This is a class for music majors and performing artists. Fundamental jazz
harmonic theory, techniques, and practices of jazz improvisation in a variety of
styles will be introduced and explored. 54 lecture hours, 18 lab hours. CSU; UC
MUSC 125
Jazz Improvisation II
3 Units
Grade Only
Prerequisite(s): MUSC 141 or Audition.
This is a class for music majors and performing artists. Intermediate jazz
harmonic theory, techniques, and practices of jazz improvisation in a variety of
styles will be introduced and explored. 54 lecture hours, 18 lab hours. CSU; UC
MUSC 130
Studio Orchestra I
4 Units
Grade Only
Prerequisite(s): Audition. Successful completion of MUSE 070 or
MUSE 090 will support audition success.
A beginning study of contemporary symphonic music performance in the studio
environment. Music of various styles, including contemporary media styles, will
be explored. 36 lecture hours, 108 lab hours arranged. CSU; UC (pending)
MUSC 131
Studio Orchestra II
4 Units
Grade Only
Prerequisite(s): MUSC 130 or Audition.
An intermediate study of contemporary symphonic music performance in the studio
environment. Music of various styles, including contemporary media styles, will
be explored. 36 lecture hours, 108 lab hours arranged. CSU
MUSC 140
Jazz Improvisation I
3 Units
Grade Only
Prerequisite(s): Audition. Successful completion of MUSE 070 or
MUSE 090 will support audition success.
This is a class for music majors and performing artists. Fundamental jazz
harmonic theory, techniques, and practices of jazz improvisation in a variety of
styles will be introduced and explored. 54 lecture hours, 18 lab hours. CSU; UC
MUSC 141
Jazz Improvisation II
3 Units
Grade Only
Prerequisite(s): MUSC 140 or Audition.
This is a class for music majors and performing artists. Intermediate jazz
harmonic theory, techniques, and practices of jazz improvisation in a variety of
styles will be introduced and explored. 54 lecture hours, 18 lab hours. CSU; UC
MUSC 142
Jazz Combos I
1 Unit
Grade Only
Prerequisite(s): Audition.
Strongly Recommended: MUSC 141 or MUSC 142.
An introduction to small jazz ensemble performance practices and techniques,
including improvisation. Students will study and perform easy standard selections of the small jazz ensemble repertoire. This class will be divided into multiple small jazz ensembles. Public performance required. 72 lab hours. CSU; UC
MUSC 143
Jazz Combos II
1 Unit
Grade Only
Prerequisite(s): Audition.
Strongly Recommended: MUSC 141 or MUSC 142.
Intermediate small jazz ensemble performance practices and techniques, including improvisation. Students will study and perform intermediate-level standard selections of the small jazz ensemble repertoire. This class will be divided into multiple small jazz ensembles. Public performance required. 72 lab hours. CSU; UC
MUSC 144
Fusion Ensemble
1 Unit
Grade Only
Prerequisite(s): Audition.
Students will work extensively on contemporary jazz styles including fusion of rock and jazz elements, post “Be-Bop” and avant-garde styles. This class will be divided into small ensembles. Public performance required. 72 lab hours. CSU; UC

MUSC 146
Chamber Jazz
4 Units
Grade Only
Prerequisite(s): Audition.
Exploration and performance of medium-advanced and advanced (Grade 4 and 5) large jazz ensemble literature. Topics include the performance of various jazz styles, jazz ensemble section playing, and solo preparation in the large jazz ensemble setting. Public performance required. 36 lecture hours, 126 lab hours arranged. CSU; UC

MUSC 151
Songwriting I
2 Units
Grade or Pass/ No Pass
Prerequisite(s): Audition. Strongly Recommended: MUSC 151.
This course acquaints the student with commercial songwriting techniques. Included are developing an idea, writing a melody, melodic expansion, chord progressions, form, and light orchestration. 36 lecture hours, 18 lab hours. CSU

MUSC 152
Songwriting II
2 Units
Grade or Pass/ No Pass
Prerequisite(s): Audition. Strongly Recommended: MUSC 151.
This course expands the student's commercial songwriting techniques. Included are development of ideas, writing melodies, melodic expansion, chord progressions, form, and light orchestrations. 36 lecture hours, 18 lab hours. CSU; UC (pending)

MUSC 150
Sight Reading for the Studio I
3 Units
Grade Only
Prerequisite(s): MUSC 160 or Audition.
A preparatory course in sight-reading for the aspiring performer/studio musician. Focus is upon polished/professional performance through the application of music theory and analysis to the sight-reading process. 54 lecture hours. CSU

MUSC 151
Sight Reading for the Studio II
3 Units
Grade Only
Prerequisite(s): MUSC 160 or Audition.
A continuation and further expansion upon the reading and performance concepts of music covered in Sight Reading for the Studio I. Public performance is required. 54 lecture hours. CSU

MUSC 157
Classical Performance Techniques Tour (Vocal)
4 Units
Grade Only
Prerequisite(s): MUSC 160 or Audition. Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Focus is upon polished/professional performance through the application of music theory and analysis to the sight-reading process. 54 lecture hours. CSU; UC

MUSC 158
Jazz Ensemble Tour I
7 Units
Grade Only
Prerequisite(s): Audition.
This course prepares the student for a unique instrumental ensemble experience through classroom instruction, laboratory training, and performance. Emphasis on solos as well as ensemble, study of jazz compositions, combined with an in-depth travel experience abroad. Public performance required. 72 lecture hours, 252 lab hours arranged. CSU; UC

MUSC 159
Professional Performance Techniques
3 Units
Grade Only
Prerequisite(s): Audition.
The Professional Performance Techniques for the musician class provides the musician with the necessary fundamentals, to accurately assess a performance setting and make appropriate decisions for its success. The course stresses detailed style analysis in a broad range of musical settings. Logistical necessities will be examined and the course will culminate with musical performances. 18 lecture hours, 108 lab hours arranged. UC

MUSC 160
Sight Reading for the Studio I
3 Units
Grade Only
Prerequisite(s): MUSC 160 or Audition. Strongly Recommended: MUSE 100. Also, ENGL 099 if required by English placement exam or if required by English level.
A preparatory course in sight-reading for the aspiring performer/studio musician. Focus is upon polished/professional performance through the application of music theory and analysis to the sight-reading process. 54 lecture hours. CSU

MUSC 161
Sight Reading for the Studio II
3 Units
Grade Only
Prerequisite(s): MUSC 160 or Audition.
A continuation and further expansion upon the reading and performance concepts of music covered in Sight Reading for the Studio I. Public performance is required. 54 lecture hours. CSU

MUSC 162
Commercial Performance Techniques Tour (Vocal)
4 Units
Grade Only
Prerequisite(s): MUSC 160 or Audition. Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An advanced course for the vocal performance major. Advanced classical vocal techniques in a professional quality performance/tour ensemble setting. 54 lecture hours, 54 lab hours arranged. CSU; UC

MUSC 163
Career Opportunities in the Music Business
3 Units
Grade Only
Prerequisite(s): Audition.
This course expands the student's commercial songwriting techniques. Included are developing an idea, writing a melody, melodic expansion, chord progressions, form, and light orchestrations. 36 lecture hours, 18 lab hours. CSU; UC (pending)

MUSC 164
Commercial Performance Techniques Tour (Vocal)
4 Units
Grade Only
Prerequisite(s): MUSC 160 or Audition.
An advanced course for the vocal performance major. Integration of advanced pop vocal techniques, dance, and body movement, and tour exposure in a professional-quality performance/tour ensemble setting. 54 lecture hours, 54 lab hours arranged. CSU; UC

MUSC 165
Career Opportunities in the Music Industry
3 Units
Grade Only
Prerequisite(s): Audition.
This is a class for students interested in the music entertainment industry. Practices and procedures of artists and performers, record companies, live performance and touring, publishing, management, promotion, artist, radio station, video, and retail sales will be examined. Emphasis will be on prominent guest lecturers from various fields. 54 lecture hours.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Grade</th>
<th>Prerequisite(s)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 204</td>
<td>Pop, Rock, and Jazz Performance Styles III</td>
<td>4</td>
<td></td>
<td></td>
<td>A more in depth study and performance of contemporary Pop, Rock, and Jazz styles. 36 lecture hours, 126 lab hours arranged. CSU</td>
</tr>
<tr>
<td>MUSC 206</td>
<td>Show Choir III</td>
<td>4</td>
<td></td>
<td></td>
<td>This class is designed to develop student's &quot;Show Choir&quot; level to intermediate advanced status. This class includes singing, dance and movement for vocalists and rhythm section/horn accompaniment. Public performance required. 36 lecture hours, 108 lab hours. CSU; UC</td>
</tr>
<tr>
<td>MUSC 207</td>
<td>Show Choir IV</td>
<td>4</td>
<td></td>
<td></td>
<td>This class is designed to develop student's &quot;Show Choir&quot; level to an advanced status. This class includes singing, dance and movement for vocalists and rhythm section/horn accompaniment. Public performance required. 36 lecture hours, 108 lab hours arranged. CSU; UC (pending)</td>
</tr>
<tr>
<td>MUSC 220</td>
<td>Studio Laboratory Band III</td>
<td>4</td>
<td></td>
<td></td>
<td>Exploration and performance of intermediate-advanced large studio ensemble literature. Topics include the performance of various contemporary styles, section playing, and solo preparation in the studio ensemble setting. 54 lecture hours, 54 lab hours arranged. CSU; UC (pending)</td>
</tr>
<tr>
<td>MUSC 221</td>
<td>Studio Laboratory Band IV</td>
<td>4</td>
<td></td>
<td></td>
<td>Exploration and performance of advanced large studio ensemble literature. Topics include the performance of various contemporary styles, section playing, and solo preparation in the studio ensemble setting. 54 lecture hours, 54 lab hours arranged. CSU; UC (pending)</td>
</tr>
<tr>
<td>MUSC 222</td>
<td>Jazz Ensemble III</td>
<td>4</td>
<td></td>
<td></td>
<td>This is a class for music majors and performing artists. Advanced jazz ensemble music. This course applies jazz techniques to performance situations for the large jazz ensemble. Public performance required. 36 lecture hours, 108 lab hours. CSU; UC (pending)</td>
</tr>
<tr>
<td>MUSC 223</td>
<td>Jazz Ensemble IV</td>
<td>4</td>
<td></td>
<td></td>
<td>This is a class for music majors and performing artists. Advanced jazz ensemble music. This course applies jazz techniques to performance situations for the large jazz ensemble. Public performance required. 36 lecture hours, 108 lab hours. CSU; UC (pending)</td>
</tr>
<tr>
<td>MUSC 230</td>
<td>Studio Orchestra III</td>
<td>4</td>
<td></td>
<td></td>
<td>Intermediate-Advanced small jazz ensemble performance practices and techniques, including improvisation. Students will study and perform intermediate-advanced-level standard selections of the small jazz ensemble repertoire. This class will be divided into multiple small jazz enssembles. Public performance required. 72 lab hours. CSU; UC (pending)</td>
</tr>
<tr>
<td>MUSC 231</td>
<td>Studio Orchestra IV</td>
<td>4</td>
<td></td>
<td></td>
<td>An advanced study of contemporary symphonic music performance in the studio environment. Music of various styles, including contemporary media styles, will be explored. 36 lecture hours, 108 lab hours. CSU; UC (pending)</td>
</tr>
<tr>
<td>MUSC 240</td>
<td>Jazz Improvisation III</td>
<td>3</td>
<td></td>
<td></td>
<td>This is a class for music majors and performing artists. Intermediate-Advanced jazz harmonic theory, techniques, and practices of jazz improvisation in a variety of styles will be introduced and explored. 54 lecture hours, 18 lab hours. CSU; UC</td>
</tr>
<tr>
<td>MUSC 241</td>
<td>Jazz Improvisation IV</td>
<td>3</td>
<td></td>
<td></td>
<td>This is a class for music majors and performing artists. Intermediate-Advanced jazz harmonic theory, techniques, and practices of jazz improvisation in a variety of styles will be introduced and explored. 54 lecture hours, 18 lab hours. CSU; UC (pending)</td>
</tr>
<tr>
<td>MUSC 242</td>
<td>Jazz Combos III</td>
<td>1</td>
<td></td>
<td></td>
<td>Intermediate-Advanced small jazz ensemble performance practices and techniques, including improvisation. Students will study and perform intermediate-advanced-level standard selections of the small jazz ensemble repertoire. This class will be divided into multiple small jazz enssembles. Public performance required. 72 lab hours. CSU; UC (pending)</td>
</tr>
</tbody>
</table>
MUSC 243  
Jazz Combos IV  
1 Unit  
Grade Only  
Prerequisite(s): Audition.  
Strongly Recommended: MUSC 241 or MUSC 242.  
Advanced jazz ensemble performance practices and techniques, including improvisation. Students will study and perform advanced-level standard and non-standard selections of the small jazz ensemble repertoire. This class will be divided into multiple small jazz ensembles. Public performance required. 72 lab hours. CSU; UC (Pending)

MUSC 251  
Professional and Transfer Audition Preparation  
2 Units  
Grade Only  
Prerequisite(s): Audition.  
This course for music majors focuses on procedures, preparations and strategies that lead to audition success. Each student will develop a professional or transfer audition portfolio. Includes coaching, mock audition performance, and lecture and demonstration performance presentations from guest artists and academic and industry experts. 18 lecture hours, 72 lab hours arranged. CSU

MUSC 253  
Songwriting III  
2 Units  
Grade or Pass/ No Pass  
Prerequisite(s): Skills assessment.  
Strongly Recommended: MUSC 152.  
An intermediate-advanced level course covering commercial songwriting techniques. Included are development of intermediate-advanced level commercial songwriting ideas, writing melodies, melodic expansion, chord progression, form, light orchestration and lyric development. 36 lecture hours, 18 lab hours. CSU; UC (Pending)

MUSC 254  
Songwriting IV  
2 Units  
Grade or Pass/ No Pass  
Prerequisite: Skills assessment.  
Strongly Recommended: MUSC 253.  
An advanced level course covering commercial songwriting techniques. Included are development of ideas, writing melodies, melodic expansion, chord progression, form, light orchestration and lyric development. 36 lecture hours, 18 lab hours. CSU; UC (Pending)

MUSC 271  
Professional Performance Techniques (Vocal)  
4 Units  
Grade or Pass/ No Pass  
Prerequisite(s): Audition.  
An advanced course for the vocal performance major. Advanced vocal techniques in a professional-quality setting. Emphasis on rehearsal techniques, total presentation, body movement, and audience rapport. 54 lecture hours, 54 lab hours arranged.

Music Education Courses (MUSE)  

MUSE 020  
Foundational Music Reading  
2 Units  
Grade Only  
Placement through skills assessment.  
This course introduces foundational music reading skills in an ensemble environment. 18 lecture hours, 54 lab hours.

MUSE 070  
Foundational Rhythm Section Pedagogy  
3 Units  
Grade Only  
Placement through skills assessment.  
This course emphasizes beginning rhythm section functions. Basic preparation for college level ensemble rehearsal and performance environments. Included is an overview of rhythm section functions in various forms of music. Introductory musicianship, sight reading and theoretical concepts will be addressed. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED FOR THE 60 UNITS FOR GRADUATION. 36 lecture hours, 72 lab hours.

MUSE 090  
Introduction to Instrumental Ensemble Performance  
4 Units  
Grade Only  
Placement through skills assessment.  
This course presents an introduction to foundational instrumental ensemble performance skills and concepts. Basic preparation for college level ensemble rehearsal and performance environments. Included is an overview of foundational instrumental pedagogy, instrumental music notation, and terminology. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED FOR THE 60 UNITS FOR GRADUATION. 54 lecture hours, 72 lab hours.

MUSE 100  
Music Fundamentals  
3 Units  
Grade or Pass/ No Pass  
This course emphasizes basic music skills. Recommended for all students desiring a foundation in beginning theory, notation, ear training, and composition. 54 lecture hours. CSU; UC

MUSE 101  
Musicianship I  
2 Units  
Grade Only  
Prerequisite(s): Recommendation by instructor(s) of music courses which require knowledge of sightsinging.  
Co-Requirement(s): MUSE 102.  
An introductory class for the music major. Practice and skill development in melodic and rhythmic dictation, intervals, and sightsinging. Required of all music majors. 36 lecture hours. CSU; UC

MUSE 102  
Harmony I  
3 Units  
Grade Only  
Co-Requirement(s): MUSE 101.  
Strongly Recommended: MUSE 100.  
An introductory class in music theory for the music major. Study of scales, intervals, chord types, and harmonic progression. Required of all music majors. 54 lecture hours. CSU; UC

MUSE 103  
Musicianship II  
2 Units  
Grade Only  
Prerequisite(s): MUSE 101 and MUSE 102 and recommendation by instructor(s) of music courses which require knowledge of sightsinging.  
Co-Requirement(s): MUSE 104.  
Continuation of materials and skills developed in MUSE 101. Continued practice and skill development in melodic and rhythm dictation, intervals, and sightsinging. Required of all music majors. 36 lecture hours. CSU; UC
MUSE 104
Harmony II
3 Units
Grade Only
Prerequisite(s): MUSE 102.
Co-Requisite(s): MUSE 103.
Continuation of materials and skills developed in MUSE 102. Additional study and analysis of scales, intervals, chord types and harmonic progression. Required of all music majors. 54 lecture hours. CSU; UC

MUSE 109
Music Appreciation
3 Units
Grade Only
This course is an introduction to music from the Middle Ages to the 20th Century. Instruction includes basic music theory, a study of prominent composers, and a survey of musical forms. Recommended for the non-music major. Recommended for music majors. 54 lecture hours. CSU; UC

MUSE 110
History of Music I
3 Units
Grade Only
This is an in-depth course examining the history of music as well as the lives and contributions of major composers from Antiquity, the Middle Ages, the Renaissance, and the Baroque periods. Recommended for music majors. Music majors must take either MUSE 110 or MUSE 111. 54 lecture hours. CSU; UC

MUSE 111
History of Music II
3 Units
Grade Only
This is an in-depth course examining the history of music as well as the lives and contributions of major composers from the Classical, Romantic, and 20th Century periods. Recommended for music majors. Music majors must take either MUSE 110 or MUSE 111. 54 lecture hours. CSU; UC

MUSE 112
History of Jazz
3 Units
Grade Only
A survey of jazz music. This course provides an opportunity to explore jazz music, its origins, its many styles, and some of the great names whose artistry influenced its development. The effect of jazz on other musical forms such as classical and rock & roll will be explored as well. 54 lecture hours. CSU; UC

MUSE 113
History of Rock and Roll
3 Units
Grade Only
This course focuses on the rock musician, the music and the manner in which sociological, political, and economic conditions merged in the evolution of this art form. Listening and classroom discussion will be stressed. 54 lecture hours. CSU; UC

MUSE 114
Introduction to American Music
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A survey of American music from the seventeenth century until the present. Units include the Colonial music, spirituals, and gospel music, parlor songs, the ragtime and jazz era, the rise of classical music, music for the stage and screen, the blues, folk and protest music, country and western, and the birth of rock and roll. 54 lecture hours. CSU; UC

MUSE 120
Elementary Piano I
2 Units
Grade Only
For the beginning music student or non-music major. Covers all basic elements in elementary piano, including music reading, rhythm studies, technique, and scales. 36 lecture hours. CSU; UC

MUSE 121
Elementary Piano II
2 Units
Grade Only
Prerequisite(s): MUSE 120 or Audition.
Continuation of skills and techniques learned in MUSE 120. Emphasis on reading skills, major scales, compound meters, ensemble playing, harmonization, and elementary classical keyboard literature. 36 lecture hours. CSU; UC

MUSE 130
Voice - Beginning
2 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course provides instruction and physical participation in the basic techniques necessary for good singing including posture, breathing, range extension and musicality. Additionally, beginning harmonic ear training provides tools for gradual improvement and musical achievement. 36 lecture hours, 18 lab hours. CSU; UC

MUSE 131
Intermediate Voice
2 Units
Grade or Pass/ No Pass
Prerequisite(s): MUSE 130 or Audition.
This course provides a review of basic singing techniques with additional intermediate level instruction in greater vocal range, tone emission, and song memorization for the development of skill in performing literature for the solo voice. 36 lecture hours, 18 lab hours. CSU; UC

MUSE 140
Beginning Guitar I
2 Units
Grade Only
Stringing, tuning, fingering, playing techniques, notation, chords and chord progressions, reading guitar music, playing simple melodies and accompaniment. 36 lecture hours. CSU; UC

MUSE 141
Beginning Guitar II
2 Units
Grade Only
Prerequisite(s): MUSE 140 or Audition.
This course continues the development of skill begun in MUSE 122. In addition, the following areas are covered: barre chords, additional accompaniment techniques, and major and minor scale patterns in first position. 36 lecture hours. CSU; UC

MUSE 160
Standard Percussion Instrumentation/ Techniques
1 Unit
Grade Only
Prerequisite(s): Audition.
This course, for the percussionist, introduces appropriate exercises in rhythm, technique and consistency. Special selected studies including specific techniques and rhythmic patterns are chosen to advance the student’s proficiency on the standard percussion instruments. Study of solo and ensemble literature from different periods of music chosen to suit the student's performance level. 18 lecture hours, 36 lab hours. CSU; UC
MUSE 161
World Percussion Instrumentation/Techniques
1 Unit
Grade Only
Prerequisite(s): Audition.
This course introduces appropriate exercises in rhythm, technique and consistency. Special selected studies include specific techniques and rhythm patterns which are chosen to advance the students proficiency on ethnic percussion instruments. Study of instruments and rhythms from Latin American, Middle Eastern, and other ethnic cultures. 18 lecture hours, 36 lab hours. CSU; UC

MUSE 170
Musical Theatre Academy Techniques
2 Units
Grade or Pass/ No Pass
Prerequisite(s): Audition.
Musical Theatre Academy Techniques course provides students with the vocal training, dance technique, and acting fundamentals needed to perform. The course culminates in a final showcase which allows each student the training, experience, and exposure of performing for a live audience. 36 lecture hours, 36 lab hours. CSU

MUSE 171
Musical Theatre Techniques
3 Units
Grade or Pass/ No Pass
This introductory course provides an overview of the techniques necessary for the performer in a live musical theatre production. Topics include history of American musical theatre, audition technique, rehearsal and performance techniques, and methods of production evaluation. 36 lecture hours, 54 lab hours arranged. CSU; UC

MUSE 180
Summer Instrumental Music Academy
3 Units
Grade Only
Summer Instrumental Music Academy (SIMA) provides high school and college level wind and percussion musicians the opportunity to review, strengthen and refine performance skills and techniques. SIMA includes large ensemble and small ensemble performance, instrument specific workshops, performance associated music theory and musicianship, and other unique musical explorations. Topics include sight-reading, musical style and historical contexts, ensemble rehearsal techniques and live and studio performance preparation. SIMA culminates with a series of recording sessions in the Citrus Recording Technology studios. 18 lecture hours, 108 lab hours arranged. CSU

MUSE 188
Music Production Software/Hardware I
2 Units
Grade Only
Prerequisite(s): MUSE 120 or MUSE 100 or Audition.
Strongly Recommended: CIS 099.
An introductory course in the use of music production software and hardware in the composition and arranging of music. Included are music sequencing, music revision/editing, instrumental mixing, enhancing effects, and CD production. Designed for the music major. 36 lecture hours. CSU

MUSE 189
Music Production Software/Hardware II
2 Units
Grade Only
Prerequisite(s): MUSE 188 or Audition.
This course is a continuation of the use of music production software and hardware in the computerized realization (‘mock up’) of a musical composition/arrangement. Included are advanced concepts in music affected by the process of sequencing, editing, mixing and effects. 36 lecture hours. CSU

MUSE 201
Musicianship III
2 Units
Grade Only
Prerequisite(s): MUSE 103 and MUSE 104.
Co-Requisite(s): MUSE 202.
Melodic and rhythmic dictation and sight singing. Identification of intervals, chord qualities, scales, phrases and harmonic function. Required for transferring music majors. 36 lecture hours. CSU; UC

MUSE 202
Harmony III
3 Units
Grade Only
Prerequisite(s): MUSE 104.
Co-Requisite(s): MUSE 201.
Continuation of first year’s study, including seventh chords, secondary dominants, modality, harmonic structure of the phrase, harmonization of a given part, harmonic rhythm, irregular resolutions of secondary dominants, analysis of melodies, short works for piano, choral, and songs. Required of all transferring music majors. 54 lecture hours. CSU; UC

MUSE 203
Musicianship IV
2 Units
Grade Only
Prerequisite(s): MUSE 201 and MUSE 202.
Co-Requisite(s): MUSE 204.
A continuation of MUSE 201. This course will include more challenging rhythmic, melodic, and harmonic dictation and solfège. Required for transferring music majors. 36 lecture hours. CSU; UC

MUSE 204
Harmony IV
3 Units
Grade Only
Prerequisite(s): MUSE 201 and MUSE 202.
Co-Requisite(s): MUSE 203.
Continuation of first year’s study, including seventh chords, secondary dominants, modality, harmonic structure of the phrase, harmonization of a given part, harmonic rhythm, irregular resolutions of secondary dominants, analysis of melodies, short works for piano, choral, and songs. Required of all transferring music majors. 54 lecture hours. CSU; UC

MUSE 220
Intermediate Piano I
2 Units
Grade Only
Prerequisite(s): MUSE 121 or Audition.
Continued development of essential keyboard skills. This course emphasizes improvisation, melodic harmonization, and reading music at sight. 36 lecture hours. CSU; UC
MUSE 221
Intermediate Piano II
2 Units
Grade Only
Prerequisite(s): MUSE 220 or Audition.
Continued development of essential keyboard skills learned in Intermediate Piano I. This course emphasizes working with lead sheets, interpretation of chord symbols, advanced scale types, and transcription. 36 lecture hours. CSU; UC

MUSE 222
Advanced Piano I
2 Units
Grade Only
Prerequisite(s): MUSE 221 or Audition.
This course continues the development of skills begun in MUSE 120, MUSE 121, and MUSE 220 with emphasis on increased proficiency. Included in the repertoire are moderately difficult compositions representative of selected stylistic periods of piano literature. This course, or a similar background, is required for music majors. 36 lecture hours. CSU; UC

MUSE 223
Advanced Piano II
2 Units
Grade Only
Prerequisite(s): MUSE 222 or Audition.
This course is a continuation of the first semester of second year piano and emphasizes the further development of those skills previously set forth. This course, or a similar background, is highly recommended for all transferring music majors. 36 lecture hours. CSU; UC

MUSE 230
Voice - Intermediate/Advanced
2 Units
Grade Only
Prerequisite(s): MUSE 131 or Audition.
This course provides a review of Intermediate vocal techniques and introduces the first processes of advanced level instruction. Vocal exercises include extension of range, stylistic analysis, and repertoire development used in performing literature for the solo voice. 36 lecture hours, 18 lab hours. CSU; UC

MUSE 231
Voice IV - Advanced
2 Units
Grade Only
Prerequisite(s): MUSE 230 or Audition.
Advanced vocal exercises and techniques, analysis and repertoire development used in performing literature for the solo voice. 36 lecture hours, 18 lab hours. CSU; UC

MUSE 240
Intermediate Guitar I
2 Units
Grade Only
Prerequisite(s): MUSE 141 or Audition.
Instruction in scales, chords, and arpeggios in all keys and positions. Improvising, accompanying, sight reading, transposing, and performing of popular and classical styles. 36 lecture hours. CSU; UC

MUSE 241
Intermediate Guitar II
2 Units
Grade Only
Prerequisite(s): MUSE 240 or Audition.
This course is a continuation of the first semester intermediate guitar (MUSE 240). Course includes solo guitar playing techniques, and ensemble playing. 36 lecture hours. CSU; UC

Music Performance Courses (MUSP)

MUSP 100
Concert Choir I - Beginning
3 Units
Grade Only
Strongly Recommended: MUSE 130 or previous participation in choral ensembles.
Open to all students capable of sustaining a vocal harmony part. Instruction in choral literature for the large choral ensemble. Special attention is given to choral tone production, phrasing and interpretation. Participation in public performances is required. 54 lecture hours, 18 lab hours arranged. CSU; UC

MUSP 101
Concert Choir II - Intermediate
3 Units
Grade Only
Prerequisite(s): Audition.
Additional study of standard choral literature for the large choral ensemble. Students receive intermediate level instruction in tone production, phrasing, and interpretation. Participation in public performances is required. 54 lecture hours, 18 lab hours arranged. CSU; UC

MUSP 105
Women’s Ensemble I - Beginning
4 Units
Grade Only
Prerequisite(s): Audition.
This course prepares the student for in-depth women’s ensemble performance at the beginning level. Emphasis on study and performance of classical and popular compositions for women’s ensemble. Public performance required. 36 lecture hours, 126 lab hours arranged. CSU; UC

MUSP 106
Women’s Ensemble II - Intermediate
4 Units
Grade or Pass/No Pass
Prerequisite(s): MUSP 105 or Audition.
This course prepares the student for in-depth women’s ensemble performance at the intermediate level. Emphasis on study and performance of pop compositions for women’s ensemble. Public performance required. 36 lecture hours, 126 lab hours arranged. CSU; UC

MUSP 100
Vocal Ensemble I - Beginning
3 Units
Grade Only
Prerequisite(s): Audition.
Recommended for all beginning students interested in learning and performing repertoire for the small vocal ensemble. Includes standard vocal literature for various combinations of voices with intensive preparation in choral techniques for public concerts. Public performance required. 54 lecture hours, 18 lab hours arranged. CSU; UC
MUSP 111
Vocal Ensemble II Intermediate
3 Units
Grade or Pass/ No Pass
Prerequisite(s): Audition.
Recommended for all students interested in furthering and expanding their knowledge of repertoire for the small vocal ensemble at the Intermediate level. Includes more in-depth study of standard vocal literature for various combinations of voices with intensive preparation of choral literature for public concerts. Public performance required. 36 lecture hours, 54 lab hours. CSU; UC

MUSP 115
Chamber Chorale I Beginning
4 Units
Grade Only
Prerequisite(s): Audition.
This course prepares the student for more in-depth ensemble experience. Emphasis on study and performance of classical and pop compositions for small vocal ensembles. Public performance required. 36 lecture hours, 126 lab hours. CSU; UC

MUSP 120
Chamber Singers I Beginning
4 Units
Grade Only
Prerequisite(s): Audition.
This course includes the study and performance of composition for the mixed chamber choral ensemble. Includes compositions of the Baroque, Classic, and Romantic style period. Public performance required. Audition required. 36 lecture hours, 126 lab hours. CSU; UC

MUSP 121
Chamber Singers II Intermediate
4 Units
Grade Only
Prerequisite(s): MUSP 120 or Audition.
This course includes the study and performance of composition for the mixed chamber chorale setting. Includes traditional compositions as well those of the contemporary style period. Public performance required. 36 lecture hours, 126 lab hours. CSU; UC

MUSP 133
Brass Choir I
3 Units
Grade Only
Prerequisite(s): Audition. Successful completion of MUSE 090 will support audition success.
Study and performance of brass ensemble music. This course provides an opportunity to learn performance practices of brass music in various styles through the medium of a large brass ensemble. Literature from the Renaissance through the Classical period will be covered. Public performance required. 36 lecture hours, 54 lab hours. CSU; UC

MUSP 134
Brass Choir II
3 Units
Grade Only
Prerequisite(s): Audition.
Study and performance of contemporary brass ensemble music. This course provides an opportunity to learn performance practices of brass music in various styles through the medium of a large brass ensemble. Literature from the Romantic era to the 20th Century will be covered. Public performance required. 36 lecture hours, 54 lab hours. CSU

MUSP 136
Percussion Ensemble I
1 Unit
Grade or Pass/ No Pass
Prerequisite(s): Audition.
A course for percussionists in the study, rehearsal, and performance of classical, modern and novelty percussion ensemble chamber music with a focus on the small to medium size (4 - 16) ensemble setting. Students will explore the rhythmic and stylistic idiosyncrasies of this group of musical styles in sectional and full ensemble settings, with the intention of public performance. Public performance required. 18 lecture hours, 36 lab hours. CSU; UC

MUSP 138
World Percussion Ensemble I
1 Unit
Grade or Pass/ No Pass
Prerequisite(s): Audition.
A course for percussionists in the study, rehearsal, and performance percussion ensemble chamber music from Latin American, Middle Eastern and various other ethnic cultures with a focus on the small to medium size (4 - 16) ensemble setting. Students will explore the rhythmic and stylistic idiosyncrasies of this group of musical styles in sectional and full ensemble settings, with the intention of public performance. Public performance required. 18 lecture hours, 36 lab hours. CSU; UC

MUSP 140
Chamber Winds I
4 Units
Grade Only
Prerequisite(s): Audition. Successful completion of MUSE 090 will support audition success.
The study and performance of beginning instrumental chamber wind literature. Students will be organized into various chamber music ensembles to prepare, perform and record assigned literature. 36 lecture hours, 108 lab hours arranged. CSU; UC

MUSP 141
Chamber Winds II
4 Units
Grade Only
Prerequisite(s): MUSP 140 or Audition. Successful completion of MUSE 090 will support audition success.
The study and performance of intermediate instrumental chamber wind literature. Students will be organized into various chamber music ensembles to prepare, perform and record assigned literature. 36 lecture hours, 108 lab hours arranged. CSU; UC

MUSP 145
Wind Symphony I
4 Units
Grade Only
Prerequisite(s): Audition. Successful completion of MUSE 090 will support audition success.
The study and performance of beginning level wind band literature, with an emphasis on the development of high standards of personal and musical professionalism. Public performance and field trips required. 36 lecture hours, 108 lab hours arranged. CSU; UC
MUSP 146
Wind Symphony II
4 Units
Grade Only
Prerequisite(s): MUSP 145 or Audition. Successful completion of MUSE 090 will support audition success.
The study and performance of intermediate level wind band literature, with an emphasis on the development of high standards of personal and musical professionalism. Public performance and field trips required. 36 lecture hours, 108 lab hours arranged. CSU; UC

MUSP 151
Individual Performance Techniques
2 Units
Grade Only
Prerequisite(s): Audition.
This course offers music majors instruction for solo and recital performance. Repertoire selection and development will be covered. Includes master class and coaching opportunities, programing, solo and recital attire and etiquette, and accompaniment coordination. 18 lecture hours, 108 lab hours arranged. CSU; UC (pending)

MUSP 170
Musical Theatre Academy Production
4 Units
Grade or Pass/ No Pass
Prerequisite(s): Audition.
An in-depth survey of the skills necessary for the performer in a live musical theatre production. Emphasis on the audition process, script analysis, role preparation, theatre and rehearsal etiquette and rehearsal technique culminating in a live, full-length fully-produced musical. 36 lecture hours, 126 lab hours. CSU; UC

MUSP 171
Musical Theatre Workshop Production
4 Units
Grade or Pass/ No Pass
Prerequisite(s): Audition.
A practical overview of, and creative workshop on, the process and skills of developing, producing, and performing in a musical. Emphasis on script analysis, character development, production themes, and vocal production, culminating in a live, full-length, fully-produced musical. 36 lecture hours, 108 lab hours arranged. CSU

MUSP 173
Musical Theatre Production I
4 Units
Grade or Pass/ No Pass
Prerequisite(s): Audition.
Live musical theatre production. Students will function as principles and ensemble members in a fully produced musical. The course is also open to qualified musicians and technicians who wish to participate in production. 36 lecture hours, 108 lab hours arranged. CSU; UC

MUSP 178
Opera Workshop
2 Units
Grade Only
Prerequisite(s): Audition.
Training and performance in solos, trios and small ensembles from the light opera and operatic repertoire. Introduction to standard literature, languages/diction, staging, and performance of this repertoire in scenes or in full opera productions. 18 lecture hours, 54 lab hours. CSU; UC

MUSP 181
Musical Theater Orchestra I
4 Units
Grade Only
Prerequisite(s): Audition. Successful completion of MUSE 070 or MUSE 090 will support audition success.
Musical Theater Orchestra I offers beginning instruction in instrumental performance of conducted orchestral ensemble accompaniment of live staged dance, drama and song, including contemporary Broadway literature, and film and media soundtrack. This course introduces the unique challenges of musical theatre performance that differ from those of concert stage performance, including following live dramatic action, pit orchestra orientation, woodwind doubling, underscore, click track and headphone use, book organization and music marking. 36 lecture hours, 108 lab hours arranged. CSU; UC (pending)

MUSP 182
Musical Theatre Orchestra II
4 Units
Grade Only
Prerequisite(s): Audition.
Musical Theater Orchestra II offers intermediate level instruction in instrumental performance of conducted orchestral ensemble accompaniment of live staged dance, drama and song, including contemporary Broadway literature, and film and media soundtrack. This course provides continuing opportunities to meet the unique challenges of musical theatre performance that differ from those of concert stage performance, including following live dramatic action, pit orchestra orientation, woodwind doubling, underscore, click track and headphone use, book organization and music marking. 36 lecture hours, 108 lab hours arranged. CSU; UC (pending)

MUSP 200
Concert Choir III Intermediate/ Advanced
3 Units
Grade Only
Prerequisite(s): Audition.
An intermediate/advanced study of standard choral literature of various periods for the large choral ensemble. Additional instruction in tone production, phrasing, range extension, and interpretation. Participation in public performances is required. 54 lecture hours, 18 lab hours arranged. CSU; UC (pending)

MUSP 201
Concert Choir IV - Advanced
3 Units
Grade Only
Prerequisite(s): Audition.
Advanced study of standard choral literature of various musical periods and vocal techniques as they apply to the advanced choral singer in a large choral ensemble. 54 lecture hours, 18 lab hours arranged. CSU; UC (pending)

MUSP 225
Competitive Collegiate Choir
3 Units
Grade Only
Prerequisite(s): Audition.
Open to all students interested in developing personal choral technique towards vocational use in professional vocal ensembles. Emphasis is on sight-reading, intonation, and harmony skills. Participation in public choral competitions is required. This course may be taken four times. 54 lecture hours, 18 lab hours arranged. CSU; UC (pending)
MUSP 240
Chamber Winds III
4 Units
Grade Only
Prerequisite(s): MUSP 141 or Audition.
The study and performance of intermediate-advanced instrumental chamber wind literature. Students will be organized into various chamber music ensembles to prepare, perform and record assigned literature. 36 lecture hours, 108 lab hours arranged. CSU; UC (pending)

MUSP 241
Chamber Winds IV
4 Units
Grade Only
Prerequisite(s): MUSP 240 or Audition.
The study and performance of advanced instrumental chamber wind literature. Students will be organized into various chamber music ensembles to prepare, perform and record assigned literature. 36 lecture hours, 108 lab hours arranged. CSU; UC (pending)

MUSP 245
Wind Symphony III
4 Units
Grade Only
Prerequisite(s): MUSP 146 or Audition.
The study and performance of intermediate-advanced level wind band literature, with an emphasis on the development of high standards of personal and musical professionalism. Public performance and field trips required. 36 lecture hours, 108 lab hours arranged. CSU; UC (pending)

MUSP 246
Wind Symphony IV
4 Units
Grade Only
Prerequisite(s): MUSP 245 or Audition.
The study and performance of advanced level wind band literature, with an emphasis on the development of high standards of personal and musical professionalism. Public performance and field trips required. 36 lecture hours, 108 lab hours arranged. CSU; UC (pending)

MUSP 255
Competitive Collegiate Jazz Ensemble
4 Units
Grade Only
Prerequisite(s): Audition.
This course involves preparation and participation in collegiate jazz competitions. This course may be taken four times. 54 lecture hours, 72 lab hours arranged. CSU; UC (pending)

MUSP 281
Musical Theatre Orchestra III
4 Units
Grade Only
Prerequisite(s): Audition.
Musical Theater Orchestra III offers advanced-intermediate level instruction in instrumental performance of conducted orchestral ensemble accompaniment of live staged dance, drama and song, including contemporary Broadway literature, and film and media soundtrack. This course provides continuing opportunities to meet the unique challenges of musical theatre performance that differ from those of concert stage performance, including following live dramatic action, pit orchestra orientation, woodwind doubling, underscore, click track and headphone use, book organization and music marking. 36 lecture hours, 108 lab hours arranged. CSU; UC (pending)

MUSP 282
Musical Theatre Orchestra IV
4 Units
Grade Only
Prerequisite(s): Audition.
Musical Theater Orchestra IV offers advanced level instruction in instrumental performance of conducted orchestral ensemble accompaniment of live staged dance, drama and song, including contemporary Broadway literature, and film and media soundtrack. This course provides continuing opportunities to meet the unique challenges of musical theatre performance that differ from those of concert stage performance, including following live dramatic action, pit orchestra orientation, woodwind doubling, underscore, click track and headphone use, book organization and music marking. 36 lecture hours, 108 lab hours arranged. CSU; UC (pending)

MUSP 285
Competitive Collegiate Wind Band
4 Units
Grade Only
Prerequisite(s): Audition.
The preparation and performance of professional wind band literature with the primary goal of maximizing adjudication consideration and reward at wind band competitions and festivals. Participation in public wind band competitions and festivals is required. This course may be taken four times. 36 lecture hours, 108 lab hours arranged. CSU; UC (pending)

MUSP 289
Applied Music I Beginning
3 Units
Grade Only
A beginning level workshop class in applied music including a private one-half hour lesson per week, attendance and participation in a weekly concert hour and skill and repertoire building activities. 18 lecture hours, 108 lab hours arranged. CSU; UC

MUSP 291
Applied Music II Intermediate
3 Units
Grade Only
Prerequisite(s): MUSP 290.
An intermediate level workshop class in applied music with an emphasis on classical techniques which includes a private one-half hour lesson per week, attendance and participation in a weekly concert hour and skill and repertoire building activities. 18 lecture hours, 108 lab hours arranged. CSU; UC

MUSP 292
Applied Music III Intermediate/Advanced
3 Units
Grade Only
Prerequisite(s): MUSP 291.
An advanced level workshop class in applied music with an emphasis on popular techniques which includes a private one-half hour lesson per week, attendance and participation in a weekly concert hour and skill and repertoire building activities. 18 lecture hours, 108 lab hours arranged. CSU; UC
### Natural History Courses

**NAT 180A**  
**Natural History Series - Death Valley**  
*2 Units*  
**Grade or Pass/ No Pass**  
A field course where the topography, climate, geology, ecology, life zones, wildlife, plant life, and human history of the Death Valley region will be covered. In addition to lectures on campus, there will be a minimum of a three day field trip to the region. A transportation fee may be assessed. 36 lecture hours. CSU

**NAT 180B**  
**Natural History Series - Deserts**  
*2 Units*  
**Grade or Pass/ No Pass**  
A field course where the topography, climate, geology, ecology, life zones, wildlife, plant life, and human history of the desert region will be covered. Possible locations of interest include, but are not restricted to: high desert, Anza Borrego-Salton Basin, Western Colorado Plateau, Eastern Colorado Plateau, Southeastern Arizona, Trans-Pecos or Baja California. In addition to lectures on campus, there will be a minimum of a three day field trip to the region. A transportation fee may be assessed. 36 lecture hours. CSU

**NAT 181A**  
**Natural History Series - Coasts**  
*2 Units*  
**Grade or Pass/ No Pass**  
A field course where the topography, climate, geology, ecology, life zones, wildlife, plant life, and human history of the California coastline region will be covered. Possible locations of interest include, but are not restricted to, the Southern California Coast, Transversive Range or Channel Islands. In addition to lectures on campus, there will be a minimum of a three day field trip to the region. A transportation fee may be assessed. 36 lecture hours. CSU

**NAT 181B**  
**Natural History Series - Coasts**  
*2 Units*  
**Grade or Pass/ No Pass**  
A field course where the topography, climate, geology, ecology, life zones, wildlife, plant life, and human history of the coastal mountains or islands will be covered. Possible locations of interest include, but are not restricted to, the Transverse Range or Channel Islands. In addition to lectures on campus, there will be a minimum of a three day field trip to the region. A transportation fee may be assessed. 36 lecture hours. CSU

**Nursing Courses**

**NRS 100**  
**Introduction to Vocational Nursing**  
*3 Units*  
**Pass/ No Pass**  
*Strongly Recommended: MATH 029.*  
A course that introduces students to the foundational skills needed for a career as a licensed vocational nurse. This course is a prerequisite for entrance into the vocational nursing program. This course is a prerequisite for entrance into the vocational nursing program. It offers an introduction to the fundamental skills needed for a career as a licensed vocational nurse, including medical terminology, elements of pharmacology, introductory anatomy and physiology, legal issues related to healthcare, and communication skills. The course is offered for Pass/No Pass grading only. 36 lecture hours, 54 lab hours.

**NRS 101**  
**Nurse Assistant**  
*5 Units*  
**Grade Only**  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*  
Provision of basic nursing care to residents in a long-term care facility. Upon successful completion of this course, students become eligible to sit for the nurse assistant competency exam for certification. 54 lecture hours, 108 lab hours.
NRS 102
Home Health Aide
1 Unit
Grade Only
Prerequisite(s): Proof of an original, current, active CNA certificate issued by the California Department of Public Health Services and Health Sciences Department approval.
Prepares an active Certified Nursing Assistant (CNA) to provide safe and appropriate health care services to clients in a home or assisted living environment. 20 lecture hours, 20 lab hours.

OFF 120
Microsoft Excel
3 Units
Grade or Pass/ No Pass
An Excel worksheets and workbooks course to include: formatting, calculating sums, formulas, charts, enhancing the worksheet, and making decisions using the IF function, completing financial functions, data lists, large workbooks using templates, using advanced sorting and filtering, creating charts, diagrams, and templates, creating PivotTable, Pivot-Chart reports, and auditing worksheets, using data analysis, solver, and scenario features, using macros, and Visual Basic for applications, external data, database functions, side-by-side tables, and collaborating with others and preparing a workbook for distribution. 54 lecture hours, 18 lab hours. CSU

OFF 215
Microsoft Outlook
2 Units
Grade or Pass/ No Pass
Strongly Recommended: CIS 099.
An introduction to Microsoft Outlook scheduling and organizing program. Topics include creating and editing a calendar, contacts, task list, journal, notes, synchronizing personal digital assistant, and communicating with an electronic mail system. 36 lecture hours.

OFF 260
Computer Keyboarding and Document Processing
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course introduces skills and techniques fundamental to touch keyboarding on a microcomputer. This course also introduces document processing of letters, memorandums, reports and tables and is open to students with no previous keying experience. 54 lecture hours, 36 lab hours. CSU

OFF 285
Administrative Office Procedures
3 Units
Grade or Pass/ No Pass
This is a course in office procedures and protocol for the person preparing for an office career. It emphasizes continuous self-evaluation and self-development in the areas of basic office skills, professional responsibilities, communication, and human relations. 54 lecture hours.

OFF 294
Microsoft Word
3 Units
Grade Only
Word processing concepts with topics to include: creating and editing text and printing office documents such as letters from templates, research papers, resume, mail merge, and newsletters. Creating mailing labels, using styles and creating multi-level lists and charts. Using mark-up tools, building reusable documents, advance table features, creating mass mailings, creating standardized forms, working with long documents, embedding, linking objects using macros, and integrating Word with PowerPoint. This course will also include proofreading and editing skills. 54 lecture hours, 18 lab hours.

Philosophy
(Social Sciences Department)
Philosophy is the study of the nature of reality, knowledge, and values through a critical analysis of fundamental assumptions or beliefs. The study of logic, ethics, and the history of philosophy provides a means of systemizing, assimilating, and evaluating information and the development of philosophical perspective. The study of philosophy is a valuable background for students interested in social or natural sciences, or humanities and particularly in law, theology, and education. Philosophy courses satisfy general education requirements for an associate degree, a liberal arts degree with an emphasis in arts and humanities/philosophy, and lower division transfer. The Honors Program includes one philosophy course: PHIL 106H Introduction to Philosophy—Honors.
Philosophy Courses

PHIL 101
Great Religions of the World
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The historical development, principal ideas and contributions of the world’s religions. 54 lecture hours. CSU; UC

PHIL 106
Introduction to Philosophy
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The foundations of philosophy in terms of modes of critical thinking, significant philosophical problems, and a representative sampling of primary philosophical writings. 54 lecture hours. CSU; UC

PHIL 106H
Introduction to Philosophy - Honors
3 Units
Grade Only
This is a degree-applicable, introductory level course for honors students. Students are expected to work and participate at an honors level, which includes strong critical thinking skills, thorough analysis of philosophical writings, and presentation skills as demonstrated by leading a seminar discussion. 54 lecture hours. CSU; UC

PHIL 108
Philosophy/Ethics
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A critical analysis of ethical theories including Kantianism, Utilitarianism and Virtue Ethics, as well as the application of these ethical theories to moral problems. 54 lecture hours. CSU; UC

PHIL 110
Philosophy/Logic
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A course introducing fundamental problems and principles of formal and informal logic, featuring proofs of validity, deductive and inductive reasoning, and detection and analysis of fallacies. 54 lecture hours. CSU; UC

PHIL 130
History of Ancient Philosophy
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A study of selected works in ancient philosophy in the Western tradition, including the Presocratics, the Sophists, Socrates and Plato, Aristotle, and some Greek and Roman philosophers after Aristotle. 54 lecture hours. CSU; UC

PHIL 131
History of Modern Philosophy
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A study of selected works in the modern period of philosophy in the Western tradition (1600-1800), including major figures from Descartes to Immanuel Kant. 54 lecture hours. CSU; UC (pending)

PHIL 140
Philosophy of Religion
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A study of the philosophical issues connected with classical theism, such as the concept of God, arguments for the existence of God, the nature of God, the problem of evil, and concepts of the afterlife. 54 lecture hours. CSU; UC (pending)

PHIL 210
Symbolic Logic
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A course concentrating on formal logic, including both sentential and predicate logic, methods of symbolization and proof. Differs from PHIL 110 in omitting informal logic and going further in the study of formal logic. Previous completion of PHIL 110 not required. 54 lecture hours. CSU; UC

Photography Courses

PHTO 101
Basic Photography
3 Units
Grade or Pass/No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Fundamental still photography with emphasis on planning a photograph, choice of camera, choice of films and papers, use of natural and artificial light, function of lenses and shutters, and techniques for processing sensitized materials. Also basic computer skills. 36 lecture hours, 90 lab hours. CSU; UC

PHTO 102
Intermediate Photography
3 Units
Grade or Pass/No Pass
Prerequisite(s): PHTO 101.
Provides emphasis on lighting, control of lighting and subject contrast, advanced composition and photographic print quality. Students will acquire intermediate level digital image processing skills. 36 lecture hours, 90 lab hours. CSU; UC

PHTO 103
Advanced Photography
3 Units
Grade or Pass/No Pass
Prerequisite(s): PHTO 102.
A study of black and white photographic techniques introducing advanced methods and medium and large format as applied to commercial and industrial careers working with more specialized equipment. 36 lecture hours, 90 lab hours. CSU
PHTO 125
Photography as an Art Medium
3 Units
Grade or Pass/ No Pass
Prerequisite(s): PHTO 102.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Develop skills in the use of graphic arts processes and materials as well as photo techniques currently used by professional photographers, commercial artists, fashion illustrators, cinematographers, and graphic designers. 36 lecture hours, 54 lab hours. CSU; UC

PHTO 126
Advanced Photography as an Art Medium
3 Units
Grade or Pass/ No Pass
Prerequisite(s): PHTO 125.
A continuation of PHTO 125. This course provides advanced digital techniques and wet lab processes. Utilizing materials relevant to the photography industry today, students will create artistic photographic images. 36 lecture hours, 54 lab hours.

PHTO 202
Photojournalism
3 Units
Grade or Pass/ No Pass
Prerequisite(s): PHTO 101.
Covers the theory and practice of news photography. Students will capture digital images of live situations on campus and in nearby communities. 36 lecture hours, 54 lab hours. CSU

PHTO 205
Color Photography
3 Units
Grade or Pass/ No Pass
Prerequisite(s): PHTO 101.
A course on color photography in the digital/electronic format. Instruction includes use of cameras, filters, white balancing, exposure, lighting equipment, and color analysis for color printing with digital printers. 36 lecture hours, 90 lab hours. CSU

PHTO 206
Intermediate Color Photography
3 Units
Grade or Pass/ No Pass
Prerequisite(s): PHTO 205.
Covers the use of electronic flash equipment and experimental exposures. Students will print from scanned negatives, slides and different electronic file types. Assignments will cover control of color balance, Kelvin temperature and white balance. 36 lecture hours, 90 lab hours. CSU

PHTO 213
Studio & Environmental Portraiture
3 Units
Grade or Pass/ No Pass
Prerequisite(s): PHTO 101, PHTO 205 and basic Adobe Photoshop applications. Also, ENGL 099 if required by English placement exam or if required by English level.
Articulates the principles of taking portraits indoors and outdoors utilizing various lighting equipment for the professional photographer. 36 lecture hours, 90 lab hours.

PHOTO 215
Digital Photographic Imaging
3 Units
Grade or Pass/ No Pass
Prerequisite(s): PHTO 101 and PHTO 205.
In this practical hands-on introduction, the fundamental technical and aesthetic principles of digital photographic processes are addressed, including instruction on DSLR camera operation, composition, and digital retouching and manipulation. Instruction also includes Adobe Photoshop software acquisition techniques and output technologies. Discussion covers contemporary digital imaging and its application within commercial and fine arts. Assignments demonstrate mastery of technical skills and individual creative expression. Helps if student has own DSLR but not required. 36 lecture hours, 90 lab hours.

Physics Courses

PHYS 106
Physical Science for Educators
4 Units
Grade Only
Prerequisite(s): MATH 030 or concurrent enrollment.
This course provides each prospective multiple subject teacher with an introductory survey of the fundamental concepts of chemistry and physics and the relationships among these disciplines. Emphasis is placed on the ways in which chemistry and physics affect everyday life. This course is recommended for students planning to take the CSET Multiple Subject Exam to become credentialed elementary school teachers in the State of California. PHYS 106 and CHEM 106 are the same course. 54 lecture hours, 54 lab hours. CSU

PHYS 110
Introduction to College Physics
4 Units
Grade Only
Prerequisite(s): MATH 030.
This introductory survey of the fundamental concepts of chemistry and physics and the relationships among these disciplines. Emphasis is placed on the ways in which chemistry and physics affect everyday life. This course is recommended for students planning to take the CSET Multiple Subject Exam to become credentialed elementary school teachers in the State of California. PHYS 106 and CHEM 106 are the same course. 54 lecture hours, 54 lab hours. CSU; UC

PHYS 111
Physics for Life Sciences I
4 Units
Grade Only
Prerequisite(s): MATH 151 or concurrent enrollment.
This first in a two-course sequence in algebra/trigonometry-based physics including mechanics, energy, matter and thermodynamics with an emphasis on how these concepts apply to biological systems. This course is designed for students planning to enter medicine, dentistry, pharmacy, optometry, forestry, and (4 year) nursing. 54 lecture hours, 54 lab hours. CSU; UC

Physics
(Physical Sciences Department)

Physics, a natural science, is the scientific study of matter and energy and of the interaction between the two. Courses in physics satisfy general education requirements for the associate degree and lower division transfer.
PHYS 111C  
Physics for Life Sciences I Calculus Supplement  
1 Unit  
Grade Only  
Prerequisite(s): PHYS 111 and MATH 190 or concurrent enrollment for either. 
Application of calculus to topics covered in PHYS 111. The course is intended for students who require credit for a calculus-based physics for life science course. 18 lecture hours. CSU; UC

PHYS 112  
Physics for Life Sciences II  
4 Units  
Grade Only  
Prerequisite(s): PHYS 111. One of two algebra/trigonometry based physics courses covering waves, optics, electromagnetism and modern physics with an emphasis on how these concepts apply to biological systems. This course is designed for students planning to enter medicine, dentistry, pharmacy, optometry, forestry, and (4 year) nursing. (For transfer as a calculus-based physics course, students must take PHYS 112C.) 54 lecture hours, 54 lab hours. CSU; UC

PHYS 112C  
Physics for Life Sciences II Calculus Supplement  
1 Unit  
Grade Only  
Prerequisite(s): PHYS 112 or MATH 191 or concurrent enrollment for either. 
Application of calculus to topics covered in PHYS 112. The course is intended for students who require credit for a calculus-based physics for life science course. 18 lecture hours. CSU; UC

PHYS 201  
Physics A: Mechanics  
5 Units  
Grade Only  
Prerequisite(s): MATH 190. Fundamental principles of mechanics, vectors, motion, work, energy, momentum, and rotational motion. Required of all majors in engineering, physics, chemistry, and some geology and mathematics majors. 72 lecture hours, 54 lab hours. CSU; UC

PHYS 202  
Physics B: Thermodynamics and Electromagnetism  
5 Units  
Grade Only  
Prerequisite(s): PHYS 201 and MATH 191. Strongly Recommended: MATH 210 as a pre- or co-requisite. Core topics include the laws of thermodynamics, kinetic theory, electrostatics, magnetism, DC and AC circuits, and Maxwell's equations. This course is part of a three-semester sequence and is required of all majors in engineering, physics, chemistry, and some geology and mathematics majors. 72 lecture hours, 54 lab hours. CSU; UC

PHYS 203  
Physics C: Waves, Optics & Modern Physics  
5 Units  
Grade Only  
Prerequisite(s): PHYS 201. MATH 191 or concurrent enrollment. Core topics are waves, optics and modern physics. This course is intended for students majoring in physical sciences and engineering and is part of a three-semester course. 72 lecture hours, 54 lab hours. CSU; UC

PHYS 203A  
Introduction to Independent Research in Physics  
1 Unit  
Grade Only  
Prerequisite(s): Instructor Permission. Strongly Recommended: PHYS 201 and ENGL 101. An introductory course in research for students interested in physics-related research or projects. This course includes an introduction to research methods, directed reading, or other advanced study beyond the introductory physics level. 54 lab hours. CSU

PHYS 220A  
Team-based Research in Physics I  
1 Unit  
Grade Only  
Prerequisite(s): PHYS 110 or PHYS 201 or concurrent enrollment for either. Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level. An introductory course in research for students participating in team based, physics-related research or projects.

PHYS 220B  
Team-based Research in Physics II  
1 Unit  
Grade Only  
Prerequisite(s): PHYS 225 or PHYS 220A or PHYS 201. Also, MATH 151 or MATH 190. Strongly Recommended: ENGL 101. A second course in research for students participating in team based, physics-related research or projects. Topics include preparing and presenting a professional-style research proposal and the development of an experimental design to carry out the research. 54 lab hours. CSU

Political Science  
(Social Sciences Department)

Political science, a social science, is the study of the processes, principles, and structure of government and political institutions, and the analysis of issues that governments face in developing policies in the current domestic and global context. Political science contributes to an understanding of democracy that equips students to fulfill the obligations of citizenship. Political science courses satisfy general education requirements for an associate degree, a liberal arts degree with an emphasis in social and behavioral sciences/political science, and lower division transfer requirements. The Honors Program includes: POLI 103H American Government and Politics - Honors.

Political Science Courses

POLI 103  
American Government and Politics  
3 Units  
Grade or Pass/ No Pass  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level. This course deals with the origins and functions of the government of the United States with special emphasis on the background and causes of present problems. It meets the United States Constitution graduation requirement and includes local and state government. 54 lecture hours. CSU; UC
POLI 103H
American Government and Politics
- Honors
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course deals with the origins and functions of the government of the United States with special emphasis on the background and causes of present problems. It meets the United States Constitution graduation requirement and includes local and state government. Students are expected to work and participate at an honors level which includes demonstrating strong critical thinking skills through analysis of social scientific literature and original research in a seminar style class format. 54 lecture hours. CSU; UC

POLI 104
Introduction to Political Science
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An introduction to the principles and practices of government. Political theories and contemporary ideologies; nature of the state; constitution and law; public opinion; mass media; the nature of foreign policy and international politics. 54 lecture hours. CSU; UC

POLI 105
Comparative Politics
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An introductory course to acquaint students with the types of governmental systems which people establish in their various localities around the world and the competing values that tend to result in conflicts between opposing groups of people. An in-depth analysis of contending political ideologies, electoral procedures, and governing institutions is the course's main focus. This course is structured to provide a regional and comparative approach to the study of politics at the global level. 54 lecture hours. CSU; UC

POLI 108
Political Theory
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 101.
This course traces the development of key concepts in political theory such as justice, democracy, liberty, equality, order, citizenship, sovereignty, power and revolution over the course of Western history to include the ancient, modern, and contemporary periods. The course traces the evolution of key political concepts through an examination of thinkers from these periods, including Aristotle, Machiavelli, Hobbes, Locke, Rousseau, Madison, Mill, Marx, and Arendt. 54 lecture hours. CSU; UC

POLI 116
International Relations
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An examination of basic theories of international relations and their relevance to contemporary world politics. 54 lecture hours. CSU; UC

Psychology Courses

PSY 101
Introduction to Psychology
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The course is an introduction to psychology as an empirical science involving a synthesis of theory and research within the domains of behavior, cognition and affect. Students are expected to work and participate using critical thinking skills, thoughtful analysis/synthesis of readings, presentations and discussions within the class environment. 54 lecture hours. CSU; UC

PSY 101H
Introduction to Psychology - Honors
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The course is an introduction to psychology as an empirical science involving a synthesis of theory and research within the domains of behavior, cognition and affect. Students are expected to work and participate at an honors level which includes demonstrating strong critical thinking skills through analysis of social scientific literature and original research in a seminar style class format. 54 lecture hours. CSU; UC

PSY 102
Psychobiology
3 Units
Grade or Pass/ No Pass
Prerequisite(s): PSY 101.
Strongly Recommended: BIOL 104 or BIOL 105. Also, ENGL 101.
This course introduces the scientific study of the biological bases of behavior and its fundamental role in the neurosciences. Physiological, hormonal, and neurochemical mechanisms, and brain-behavior relationships underlying the psychological phenomena of sensation, perception, regulatory processes, emotion, learning, memory, and psychological disorders will be addressed. The course also notes historical scientific contributions and current research principles for studying brain-behavior relationships and mental processes. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental research. 54 lecture hours. CSU; UC
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Grade Only</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 103</td>
<td>Statistics for the Social and Behavioral Sciences</td>
<td>3</td>
<td>Grade Only</td>
<td>MATH 142 or MATH 150. Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.</td>
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<td></td>
<td>An introductory course in statistical concepts designed especially for students in the social or behavioral sciences area. The development of basic skills in descriptive statistics and inferential statistics is stressed. Reliability and validity problems when generalizing from samples to population will be considered. 54 lecture hours. CSU; UC</td>
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<tr>
<td>PSY 110</td>
<td>Psychology of Religion I</td>
<td>3</td>
<td>Grade or Pass/ No Pass</td>
<td>This course explores the connection between psychology and religion. It focuses on how different schools of psychological thought view and interpret religious concepts and experiences. The major psychological perspectives that are studied include: Psychoanalytic theory, Behavioristic and Humanistic theories. The psychological principles embedded in religion will be studied. 54 lecture hours. CSU; UC</td>
</tr>
<tr>
<td>PSY 205</td>
<td>Developmental Psychology</td>
<td>3</td>
<td>Grade Only</td>
<td>Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.</td>
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<td></td>
<td>Developmental Psychology is the scientific study of progressive changes in behavior, cognition, and abilities. Attention is paid to issues related to the roles of nature and nurture in developmental processes. 54 lecture hours. CSU; UC</td>
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<tr>
<td>PSY 206</td>
<td>Child Growth and Development</td>
<td>3</td>
<td>Grade Only</td>
<td>Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.</td>
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<td>This course examines major physical, psychosocial, and cognitive/language developmental milestones as they pertain to the various ages and stages in a child’s life from the prenatal development through adolescence. Practices of investigative research methodologies, caregiving, education, teaching, and parenting that derive from diverse cultural and theoretical perspectives will be analyzed. Students will learn to observe and children, evaluate individual differences and analyze characteristics of development at various stages. Interactions between maturational and environmental factors will be explored. 54 lecture hours. CSU</td>
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<tr>
<td>PSY 212</td>
<td>Psychological Disorders</td>
<td>3</td>
<td>Grade or Pass/ No Pass</td>
<td>Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.</td>
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<td></td>
<td>This course introduces the scientific study of psychopathology and atypical behaviors, broadly defined. Students investigate abnormal behavior from a variety of perspectives including biological, psychological, and sociocultural approaches. An integrative survey of theory and research in abnormal behavior, and intervention and prevention strategies for psychological disorders are also introduced. 54 lecture hours. CSU; UC</td>
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<tr>
<td>PSY 213</td>
<td>Survey of Drug and Alcohol Use and Abuse</td>
<td>3</td>
<td>Grade or Pass/ No Pass</td>
<td>Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.</td>
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<td></td>
<td>This survey course includes drug classification, drug physiology and psychopharmacology, theories of addiction, history and theories of treatment, dual diagnosis, drug testing and social policy, recovery and rehabilitation, and other related topics. 54 lecture hours. CSU; UC</td>
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<tr>
<td>PSY 220</td>
<td>Introduction to Social Psychology</td>
<td>3</td>
<td>Grade Only</td>
<td>Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.</td>
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<td>An introduction to the study of social psychology emphasizes the nature of socially determined behavior as seen in the areas of conformity, propaganda, prejudice, social roles, social process, social perception, and culturally determined personality. 54 lecture hours. CSU; UC</td>
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<tr>
<td>PSY 225</td>
<td>Psychology of Human Sexuality</td>
<td>3</td>
<td>Grade or Pass/ No Pass</td>
<td>Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.</td>
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<td>An introductory survey of the psychological bases and dimensions of human sexuality with emphasis on the socio-cultural factors involved in intimate relating, sexuality, and loving. 54 lecture hours. CSU; UC</td>
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<td>PSY 226</td>
<td>Psychology of Women</td>
<td>3</td>
<td>Grade Only</td>
<td>Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.</td>
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<td>This course will examine theory and research on female development from birth to death, taking into consideration psychological, sociological and biological factors. Implications for personal and social change will be emphasized through critical analysis of contemporary gender issues, data and psychological theory. 54 lecture hours. CSU; UC</td>
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</table>
Public Works, a career technical program, provides training for entry-level employment or advancement in public works occupations. Job opportunities include public works maintenance worker, arborist, and landscape or park management worker. Upon completion of the courses in this discipline as well as the general education requirements, students may earn an associate degree in Public Works. Students may also earn certificates of achievement in Public Works: Maintenance Services (pending) or Public Works: Inspection, Supervision, and Management.

**Public Works Courses**

**PUB 150**
Introduction to Public Works
3 Units
Grade or Pass/ No Pass
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*
Basic course in street maintenance covering the materials utilized, equipment, and procedures. Additional topics include: street painting, sign programs, street sweeping, weed control, and watershed management. 54 lecture hours.

**PUB 151**
Street Construction and Maintenance
3 Units
Grade or Pass/ No Pass
*Strongly Recommended: PUB 150. Also, ENGL 099 if required by English placement exam or if required by English level.*
A course in street maintenance covering materials and methods, with emphasis on preventive maintenance of asphaltic and Portland Cement concrete pavements. Specifications, records and cost accounting systems, as well as revenue sources and budget preparation, will be reviewed. Other subjects include safety, drainage, equipment records and specifications, review of watershed management, and public relations. Codes which pertain to improvements and repair will be reviewed. 54 lecture hours.

**PUB 154**
Soils - Trenching and Grading
3 Units
Grade or Pass/ No Pass
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*
The course will cover the technology of soils as they are used in public works construction. This technology includes the identification and classification of soils, soil testing, and the application of these tests in the construction, maintenance, trenching and grading operations of public works projects. 54 lecture hours.

**PUB 155**
Public Works Inspection
3 Units
Grade or Pass/ No Pass
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*
A comprehensive course in public works inspection, including Portland cement concrete, asphaltic concrete, soils, base and subgrade materials. Contracts and specifications and plans will be discussed. Utilities, including underground water, sewer and storm drains will be covered, with emphasis on the safety aspects of trenching, tunneling and jacking. Responsibilities of the contractor, the engineer, the inspector and the owner will be included. Surveying and staking will be reviewed. Prime consideration will be given to inspection records, duties and job diary techniques. 54 lecture hours.

**PUB 156**
Concrete Structures and Inspection
3 Units
Grade or Pass/ No Pass
*Strongly Recommended: MATH 115 or higher. Also, ENGL 099 if required by English placement exam or if required by English level.*
An advanced course in public works inspection covering Portland cement concrete culvert and bridge construction beginning with the field work of site preparation, structural excavation, concrete footings, “false-work” structures, structural and reinforcing steel, and concrete placement. Prime considerations will be given to inspection reporting, records, and new advances in technology. 54 lecture hours.

**PUB 157**
Asphalt and Portland Cement
3 Units
Grade or Pass/ No Pass
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*
A comprehensive course in asphaltic concrete and Portland Cement concrete construction technology following the standards of the Asphalt Institute, standard specifications for public works construction, American Concrete Institute and the Portland Cement Association. Included will be design production, placement, consolidation and compaction of the materials. Evaluation of surface defects, maintenance and safety will be covered. 54 lecture hours.

**PUB 158**
Municipal and Urban Tree Care
3 Units
Grade or Pass/ No Pass
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*
A course in tree care for persons currently employed or seeking future employment in the public works or private landscape industry: tree anatomy, physiology, pruning, cabling, identification, root structure and its effects on infrastructure, soil management and irrigation are covered in detail. The course is designed to prepare students to pass the Tree Worker Certification and/or pass the certified arborist exam given by the Western Chapter, International Society of Arboriculture. 54 lecture hours.
PUB 159 Urban Forest Management Planning
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course will guide students in developing an urban forest management plan. It is intended for those who manage populations of trees: municipalities, golf courses, educational institutions, public gardens, and property managers. Plans will be based on interdisciplinary activities that influence and are related to urban forest activities. Students will create a ready-to-use management plan and receive peer review. 54 lecture hours. CSU

PUB 160 Public Administration
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A basic course covering the overview of local government functions; development of the role of public works; the constraints of operation; techniques of administration in planning, finance, and personnel; the traditional model of public works organization and new advances in technology. 54 lecture hours.

PUB 161 California Occupational Safety and Health
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A course covering California Occupational Safety and Health standards and the National Occupational Safety and Health Act of 1970 as applied to public works. The safety standards for excavations, trenches, tunnels, rock drilling, construction and hauling equipment, flammable vapors, and toxic substances. 54 lecture hours.

PUB 162 Traffic Control Standards, Practices, and Policies
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course provides a greater awareness and appreciation of the unique design, installation, and maintenance techniques required for the proper control and regulation of traffic according to the Manual on Uniform Traffic Control Devices (MUTCD). Course is intended for public works personnel. 54 lecture hours.

PUB 163 Turf and Landscape Management
3 Units
Grade or Pass/ No Pass
This course prepares students to enhance the function and aesthetic value of public and private landscapes. Topics include planting, pruning, irrigation, soil fertility, turf, pest management, weed control, and landscape management business practices. 54 lecture hours.

PUB 164 Plan Interpretation and Cost Estimating
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A course in developing the ability to read and interpret plans and estimate time, material, labor and equipment needed for public works projects. 54 lecture hours.

PUB 165 Environmental Management in Public Works
3 Units
Grade or Pass/ No Pass
Strongly Recommended: PUB 150.
This course is an overview of environmental issues in Public Works. Topics include water quality, watershed management, integrated waste management, air pollution control, regulatory compliance, sustainability, and related issues. 54 lecture hours. CSU

PUB 166 Supervision in Public Works
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Fundamentals of supervision focusing on the public works industry. Topics to be covered include communications, employee orientation and training, motivating employees, decision making, performance appraisal writing, and disciplinary action. 54 lecture hours.

Reading & College Preparation
(Language Arts Department)
Reading courses facilitate the development of students’ critical and analytical thinking skills in reading and comprehending college-level texts.

Reading Courses
READ 120 College Reading
3 Units
Grade or Pass/ No Pass
Prerequisite(s): Placement is based on multiple assessment measures.
This course develops students’ literal, interpretive, and critical comprehension skills; expands their critical reading and analysis skills; increases their reading speed. 54 lecture hours. CSU

Real Estate
(Business Department)
The Real Estate Program encompasses an area of study which includes real estate principles, pre-license, finance, legal aspects, appraisal, practice, property management, escrow, and investment analysis. The Real Estate Program within the Citrus College Business Department prepares students for professional careers and offers courses that are transferable for credit to four year colleges and universities. The program combines classroom lectures, demonstrations, and individual hands-on training in work-experience settings. The faculty works closely with various industry sectors and professional organizations.
### Real Estate Courses

**REAL 210**  
Real Estate Principles  
3 Units  
Grade or Pass/ No Pass  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*  
This course is an introduction to the real estate field vocationally or who desire a background in the subject. Topics include: contracts, economics, history, financing, deeds, leases, and partial preparation for California Real Estate Salesperson License Examination. 54 lecture hours. CSU

**REAL 212**  
Real Estate Practice  
3 Units  
Grade or Pass/ No Pass  
*Strongly Recommended: REAL 210. Also, ENGL 099 if required by English placement exam or if required by English level.*  
This course covers office procedures and practices in listing agreements, conflicts in agency, escrow, disclosures, and requirements for a real estate exchange. 54 lecture hours. CSU

### Recording Technology  
(Fine Arts Department)

This is a one-year audio recording program intended to teach you the basics of how to engineer any kind of music, from hip-hop to classical to movie scenes.

### Recording Technology Courses

**REC 100**  
Survey of Entertainment Technology  
4 Units  
Grade Only  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*  
This course is an introduction to conventional and online entertainment technology. Includes exploring the content and creation of recorded music, television, radio, live theatre, film, video and electronic gaming; lecture, demonstration, field trips and guest professionals; media creation. 72 lecture hours. CSU

**REC 102**  
Record Production Basics  
4 Units  
Grade Only  
This is a course in the study and implementation of production techniques for the music industry. Students will develop a selected project from an initial concept to a finished product. 36 lecture hours, 108 lab hours.

**REC 103**  
Introduction to Audio Engineering  
4 Units  
Grade Only  
*Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.*  
This course is an introduction to the current technology, terminology and techniques used in audio engineering for recorded music, video and online media. Includes the history of audio, basic audio electronics, microphones, consoles, computer-based production systems and related signal processors. 54 lecture hours, 54 lab hours. CSU

**REC 105**  
Fundamentals of Audio Technology  
4 Units  
Grade Only  
*Prerequisite(s): REC 100, REC 103 and REC 140.*  
This course focuses on the essential elements of sound reinforcement: acoustics, sound equipment and mixing techniques. Major subject areas are acoustics, microphones, live sound consoles, speakers, placement, mixing and the cumulative effects to the final sonic product. 54 lecture hours, 72 lab hours.

**REC 106**  
Music Production Basics  
3 Units  
Grade Only  
*Prerequisite(s): REC 100, REC 103 and REC 140.*  
This is a course in the study and implementation of MIDI technology in the audio recording industry. The course covers standard software sequencers, controllers, modules, soft-synths and applications of the technology in the industry. 54 lecture hours, 108 lab hours. CSU

**REC 115**  
Recording Studio Workshop I  
4 Units  
Grade Only  
*Prerequisite(s): REC 100, REC 103 and REC 140.*  
This applied workshop course provides an introduction to basic audio hardware, software and recording techniques. Units include digital audio workstation set-up and operation, basic microphone techniques, software and hardware-based recording and mixing. 54 lecture hours, 72 lab hours. CSU

**REC 135**  
Live Sound Reinforcement  
4 Units  
Grade Only  
*Co-Requisite(s): REC 105 or THEA 120.*  
This course is the study and implementation of MIDI technology in the audio recording industry. The course covers standard software sequencers, controllers, modules, soft-synths and applications of the technology in the industry. 54 lecture hours, 108 lab hours. CSU

**REC 140**  
Music Theory for Engineers  
3 Units  
Grade Only  
An introductory course in music theory for the Recording Technology major. A study of the elements of music including melody, rhythm, chords, musical forms, and related concepts. Music notation, terminology and score reading are emphasized. 54 lecture hours. CSU

**REC 145**  
Critical Listening Skills for Engineers  
3 Units  
Grade Only  
*Prerequisite(s): REC 100, REC 103 and REC 140 and have passed a Multiple Measures Skills assessment.*  
A course in aural skills development for recording engineers. This class will focus on music, acoustic and electronic timbres, general instrument ranges and sonic properties, blend, balance, equalization, panning, reverb, compression, limiting and other tools used in the recording process. 54 lecture hours.
REc 205
Advanced Audio Technology
4 Units
Grade Only
Prerequisite(s): REC 105, REC 115, REC 125, REC 135 and REC 145.
Co-Requisite(s): REC 215, REC 225, REC 235 and REC 245.
This course is an advanced study of new technologies and techniques in multi-track recording, editing and mixing, as well as surround recording and mixing for post-production. 54 lecture hours, 72 lab hours. CSU

REC 215
Recording Studio Workshop II
4 Units
Grade Only
Prerequisite(s): REC 105, REC 115, REC 125, REC 135 and REC 145.
Co-Requisite(s): REC 205, REC 225, REC 235 and REC 245.
This course is a project-based course intended to solidify the core principles of audio. Projects will include recording, mixing and mastering, post-production and surround mixing techniques. 54 lecture hours, 72 lab hours. CSU

REC 225
Digital Audio Technology II
4 Units
Grade Only
Prerequisite(s): REC 105, REC 115, REC 125, REC 135 and REC 145.
Co-Requisite(s): REC 205, REC 225, REC 235 and REC 245.
This course focuses on the detailed workings of digital audio workstations as a whole, and specifically on the ProTools platform. This is a detailed class in all aspects of digital audio inclusive of tracking, mixing, troubleshooting, and plug-ins. 54 lecture hours, 72 lab hours. CSU

REC 235
Acoustics for Engineers
3 Units
Grade Only
Prerequisite(s): REC 105, REC 115, REC 125, REC 135 and REC 145.
Co-Requisite(s): REC 205, REC 215, REC 225 and REC 245.
This course is a study of Acoustics principles and the physics of sound. It includes sound propagation, hearing and sound perception, room resonances, acoustic calculations, studio design and acoustical treatments. 54 lecture hours.

REC 245
Music Business/ Audio Careers
3 Units
Grade Only
Prerequisite(s): REC 105, REC 115, REC 125, REC 135 and REC 145.
Co-Requisite(s): REC 205, REC 215, REC 225 and REC 235.
This is a survey focusing on the practices and procedures of record companies, publishing companies, performing rights societies and unions. The course will also study the processes of record and film production as well as career opportunities in these fields. Also includes an introduction to further courses of study in a targeted audio field. 54 lecture hours. CSU

REC 255
Live Sound Workshop
4 Units
Grade Only
Prerequisite(s): REC 135.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course focuses on further concepts in sound reinforcement; mixing skills, system troubleshooting, sound system design for different types of venues, audio editing for live applications and live recording. 54 lecture hours, 72 lab hours.

Registered Nursing Courses

RNRS 190
Foundations of Nursing
4 Units
Grade Only
Prerequisite(s): Admission to the ADN program.
The first course in the nursing sequence, students are introduced to the applications of critical thinking and the nursing process needed to provide basic care to clients in a variety of community, long term and acute care settings. Emphasis is on promoting optimum health across the health-illness continuum. Clinical experiences provide the opportunity to practice basic skills in the skills lab and the clinical setting. 36 lecture hours, 108 lab hours.

RNRS 191
Intro to Medical/ Surgical Nursing I
5 Units
Grade Only
Prerequisite(s): BIOL 200, BIOL 201 and BIOL 220 or equivalents and admission to the ADN program.
Co-Requisite(s): RNRS 190 and RNRS 192.
Introduction to Medical-Surgical Nursing I introduces the first year nursing student to concepts and practices as they relate to the non-critical patient in the medical-surgical environment. Through utilization of the nursing process, the student will recognize alterations in functioning or illness and formulate age-appropriate nursing interventions by utilizing the nursing process and critical thinking skills. 36 lecture hours, 162 lab hours.

RNRS 192
Pharmacology for Nurses
2 Units
Grade Only
Prerequisite(s): BIOL 200, BIOL 201 and BIOL 220 or equivalents and admission to the ADN program.
Co-Requisite(s): RNRS 190 and RNRS 191.
The course introduces students to basic understandings of the interaction between drugs and living systems and prepares students for system application of drug therapy throughout the remainder of the program. The course includes instruction in drug classes and schedules, principles of drug administration, pharmacokinetics, pharmacodynamics across the life span, and legal and ethical issues related to drug administration. 36 lecture hours.
RNRS 193
Pediatric Nursing
3.5 Units
Grade Only
Prerequisite(s): RNRS 190, RNRS 191 and RNRS 192.
Co-Requisite(s): RNRS 194 and RNRS 195.
This course focuses on integration and application of the nursing process as it relates to the nursing care of children and their families. Emphasis is on the concepts and skills related to age and developmentally appropriate family centered care. Clinical experiences will provide opportunities for students to participate in therapeutic activities in a variety of pediatric settings. 36 lecture hours, 81 lab hours.

RNRS 194
Obstetrics/ Maternity Nursing
3.5 Units
Grade Only
Co-Requisite(s): RNRS 195.
This course will enable the student to attain knowledge and skills necessary to provide safe, effective, culturally sensitive physiological and psychosocial care using the nursing process and family centered approach for childbearing clients and their families. Clinical experiences will provide opportunities for students to participate in therapeutic activities during antepartum, intrapartum, and postpartum periods; as well as the care and monitoring of the newborn. 36 lecture hours, 81 lab hours.

RNRS 195
Beginning Medical/Surgical Nursing II
5 Units
Grade Only
Prerequisite(s): RNRS 190, RNRS 191 and RNRS 192.
Co-Requisite(s): RNRS 193 and RNRS 194.
Medical Surgical Nursing II develops the first year nursing student's knowledge and skills as they relate to the adult non-critical moderately complex medical-surgical patient. Through utilization of the nursing process, the student will recognize alterations in functioning or illness and formulate age-appropriate nursing interventions. Psychomotor skills associated with moderately complex needs, medication administration and intravenous therapy will be studied and practiced. The impact of multiple nursing diagnoses on patient outcomes will be introduced. 45 lecture hours, 135 lab hours.

RNRS 200
Role Transition: LVN to RN
3 Units
Grade Only
Prerequisite(s): BIOL 200, BIOL 201 and BIOL 220 and current licensure in California as a Licensed Vocational Nurse. This course is designed to assist the LVN in transitioning from the LVN role to the expected role of the ADN student. Course content includes nursing process, critical thinking, therapeutic communication, delegation skills, physical assessment and legal/ethical concerns. The on-campus lab provides opportunity for students to validate nursing skill and practice new skills like physical assessment. 36 lecture hours, 54 lab hours.

RNRS 201
Medical-Surgical Nursing III
5 Units
Grade Only
Prerequisite(s): RNRS 193, RNRS 194 and RNRS 195 or RNRS 200 and current Standing as an LVN in California.
This course examines the nursing care of selected individuals throughout the lifespan who are experiencing complex alterations in wellness involving multiple systems. Clinical experiences in local health care agencies and computerized simulation manikins and scenarios provide students opportunity to apply theoretical concepts to actual care of clients. 45 lecture hours, 135 lab hours.

RNRS 202
Medical-Surgical Nursing IV
5 Units
Grade Only
Co-Requisite(s): RNRS 252.
This course builds on the first three semesters of the LVN to RN transition. This course focuses on the exploration and analysis of selected individuals experiencing multi-system failure and severe trauma is also included. Clinical experiences in local health care agencies provide students opportunity to apply theoretical concepts to actual care of patients. 54 lecture hours, 162 lab hours.

RNRS 203
Mental Health-Psychiatric Nursing
3 Units
Grade Only
Prerequisite(s): RNRS 193, RNRS 194, RNRS 195 or RNRS 200. Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This course presents the principles of mental health and the social, economic, cultural and physiological factors that predispose a person to dysfunctional human behavior. Emphasis is placed on the therapeutic role of the nurse in promoting, preventing, maintaining and restoring individuals to optimal mental well-being. Concepts of therapeutic communication, age-related concerns, treatment modalities, and delivery of mental health services are included. Clinical laboratory experiences are provided in community care facilities. 27 lecture hours, 81 lab hours.

RNRS 251
Medical-Surgical Nursing IV
6 Units
Grade Only
Prerequisite(s): RNRS 201 and RNRS 203.
Co-Requisite(s): RNRS 252.
This course is a continuation of the nursing care of selected individuals throughout the lifespan who are experiencing complex alterations in wellness involving multiple systems. Care of clients experiencing multi-system failure and severe trauma is also included. Clinical experiences in local health care agencies provide students opportunity to apply theoretical concepts to actual care of patients. 54 lecture hours, 162 lab hours.

RNRS 252
Leadership for Professional Nursing Practice
2 Units
Grade Only
Prerequisite(s): RNRS 201 and RNRS 251.
This course socializes students into the graduate registered nurse role. It focuses on the exploration and analysis of contemporary nursing practice, current trends, and issues impacting nursing care delivery. Advanced leadership and management concepts are discussed as part of the nursing role. Clinical experiences will be provided in Nursing 251. 36 lecture hours.

RNRS 290
Gerontological Nursing
2 Units
Grade Only
Prerequisite(s): RNRS 195.
This course provides knowledge regarding the care of geriatric clients, including facts and theories of aging and cultural perspectives as well as specific information about each body system and alterations associated with aging. The course concludes with a discussion of gerontological issues. 18 lecture hours, 54 lab hours.
Sociology
(Social Sciences Department)

Sociology is the systematic study of social interactions and societies. Sociologists examine group structure, social relationships, and how social processes shape human behavior. Courses in sociology satisfy general education requirements for the associate degree, a degree in liberal arts with an emphasis in social and behavioral sciences, and lower division transfer. The Honors Program includes two sociology courses: SOC 201H Introduction to Sociology – Honors and SOC 218H Presentation Seminar – Honors. Program offers a transfer degree.

Sociology Courses

SOC 114
Marriage, Family, and Intimate Relations
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

A consideration of the sociological and psychological factors which influence present day marriages and relationships. Course includes seminar discussions oriented toward understanding these influences as they relate to the individual. 54 lecture hours. CSU; UC

SOC 118
Minorities in America
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

This course gives an overview of the psychological, social, economic, and political aspects of minority groups in contemporary American culture. It will emphasize the relationships between these groups and the dominant culture. 54 lecture hours. CSU; UC

SOC 201
Introduction to Sociology
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

Emphasis is placed on the study of the basic structure of human society, the main forces that hold groups together or weaken them, as well as conditions that transform social life, and basic social concepts. 54 lecture hours. CSU; UC

SOC 201H
Introduction to Sociology - Honors
3 Units
Grade Only
Prerequisite(s): Member in good standing of the Citrus College Honors Program or recommendation from an Honors Instructor.

Emphasis is placed on the study of the basic structure of human society, the main forces that hold groups together or weaken them, as well as conditions that transform social life, and basic social concepts. Students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of sociological readings, presentation, and leadership skills demonstrated through class participation/presentation, and service learning in the community. 54 lecture hours. CSU; UC

SOC 202
Contemporary Social Problems
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

Course content includes research, field observation studies, seminar discussion with special resource professionals. College level reading is strongly recommended for success in the course. 54 lecture hours. CSU; UC

SOC 216
Sex and Gender in a Cross Cultural Perspective
3 Units
Grade Only
Strongly Recommended: ANTH 210 or SOC 201. Also, ENGL 099 if required by English placement exam or if required by English level.

A cross-cultural look at different groups' ideas of sex and gender. The course will focus on attitudes, beliefs, and socialization techniques. Theories behind the formation of gender will be explored. Both Anthropological and Sociological terms and concepts will be utilized for a cross disciplinary approach. 54 lecture hours. CSU; UC

SOC 218H
Honors Presentation Seminar
1 Unit
Grade Only
Prerequisite(s): Member in good standing of the Citrus College Honors Program or recommendation from an Honors Instructor.

A course designed to help honors students further their research skills, professional presentation skills, and to promote transfer. Research topics from previous honors classes will be enhanced with further research and presented in a professional manner in class. Materials will also be submitted to local honors conferences for presentation to peers. Honors students should be in good standing and must be recommended by an honors professor. 18 lecture hours. CSU

SOC 220
Introduction to Gender
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

A course designed to help honors students further their research skills, professional presentation skills, and to promote transfer. Research topics from previous honors classes will be enhanced with further research and presented in a professional manner in class. Materials will also be submitted to local honors conferences for presentation to peers. Honors students should be in good standing and must be recommended by an honors professor. 18 lecture hours. CSU

Spanish
(Foreign Language Department)

The Foreign Languages Department offers proficiency-based instruction in listening, speaking, reading, and writing in these languages: Spanish, German, Chinese, and Japanese. The study of each language includes vocabulary, grammar, syntax, pronunciation, and cultural and historical understanding. Intermediate level courses include a literature component. Courses combine classroom lectures, guided practice, and language activities with individual work conducted online.
Spanish Courses

SPAN 101
Spanish I
5 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A course in elementary Spanish grammar, vocabulary, and pronunciation which focuses on understanding, speaking, reading, and writing (including spelling) simple Spanish and serves as an introduction to the geography, history, and culture of the Spanish-speaking world. 90 lecture hours. CSU; UC

SPAN 102
Spanish II
5 Units
Grade or Pass/ No Pass
Prerequisite(s): SPAN 101 OR two years of high school Spanish or equivalent, i.e. ability to communicate at a first-year level OR possessing basic knowledge of first semester elementary Spanish, as determined by the Professor of Record.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A further study of elementary Spanish grammar and vocabulary that develops understanding, speaking, reading and writing (including spelling) skills. Affords opportunities to apply communication skills to new social, professional, and travel contexts. Explores the cultural heritage and civilization of Spain and Latin America through technology and level-appropriate readings. The class will be taught primarily in Spanish. 90 lecture hours. CSU; UC

SPAN 127
Spanish Civilization
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Spanish Civilization provides an interdisciplinary global understanding of the culture and history of Spain. The course critically analyzes contemporary Spanish society by examining the social and historical traditions and institutions that shape the Spanish way of life in the 20th century. 54 lecture hours. CSU; UC

SPAN 130
Latin American Culture and Civilization
3 Units
Grade or Pass/ No Pass
Latin American Culture and Civilization is a survey course providing an interdisciplinary approach to understanding the culture and history of Latin America. The course critically analyzes historical and contemporary social traditions and institutions in order to reach an understanding of modern day Latin America. 54 lecture hours. CSU; UC

SPAN 140
Beginning Conversational Spanish
3 Units
Grade or Pass/ No Pass
Prerequisite(s): SPAN 101 or one year of high school Spanish.
This course is designed for students who wish to improve their oral speaking skills and expand their vocabulary in Spanish. 54 lecture hours. CSU

SPAN 141
Intermediate Conversational Spanish
3 Units
Grade or Pass/ No Pass
Prerequisite(s): SPAN 102 or two years of high school Spanish.
This course is designed for students who wish to further improve their oral proficiency in Spanish. 54 lecture hours. CSU

SPAN 201
Spanish III
5 Units
Grade or Pass/ No Pass
Strongly recommended: Fluent in Spanish or completion of Spanish 2. ENGL 099 if required by English placement exam or if required by English level.
This intermediate level course was created with both native Spanish speakers and students studying Spanish as a second language in mind. Current social themes and vocabulary support a comprehensive review of Spanish grammar. The discussion of contemporary cultural topics, the reading of authentic texts, and the development of writing skills are all features of this class that help all intermediate Spanish students to refine and enjoy using their language skills. Class is conducted primarily in Spanish. Note that Spanish 3 and 4 do not need to be taken in order. 90 lecture hours. CSU; UC

SPAN 202
Spanish IV
5 Units
Grade or Pass/ No Pass
Prerequisite(s): SPAN 201 or fluency in Spanish.
Strongly Recommended: ENGL 099 if required by English placement exam.
This intermediate level course was designed for both native Spanish speakers and students studying Spanish as a second language. Contemporary cultural topics and vocabulary will provide a context for the study of higher level Spanish grammar. Meaningful readings and the refinement of writing skills will help students to further develop their cultural and linguistic competence. This interactive course is conducted primarily in Spanish. 90 lecture hours. CSU; UC

SPAN 210
Intermediate Spanish for Speakers of Spanish
5 Units
Grade or Pass/ No Pass
Prerequisite: Oral fluency in Spanish.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A course designed to help students who are fluent in spoken, informal Spanish, but who need to improve writing, reading and grammar skills. Emphasis on acquiring formal oral Spanish skills and a knowledge of Spanish and Latin American literature and culture. Equivalent to SPAN 201. 90 lecture hours. CSU; UC

SPAN 211
Reading and Composition for Speakers of Spanish II
5 Units
Grade or Pass/ No Pass
Strongly Recommended: SPAN 210 and fluency in oral Spanish. Also, ENGL 099 if required by English placement exam or if required by English level.
A course for students who are fluent speakers of Spanish but who need to practice and refine their writing skills and formal oral skills. Reading in the literature of Spanish-speaking cultures. Review of grammar. 90 lecture hours. CSU; UC
Speech Courses
(See Also Communications)

SPCH 100
Interpersonal Communication
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Introduction to interpersonal communication: verbal and non-verbal face-to-face interactions; understanding messages sent and received; awareness and resolution of communication barriers. 54 lecture hours. CSU; UC

SPCH 101
Public Address
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An introductory course in communication and speaking skills, including the selection, preparation, and delivery of speeches for various/diverse audiences and situations. The goal will be the achievement of ethical, purposeful, and effective public speaking. 54 lecture hours. CSU; UC

SPCH 101H
Public Address - Honors
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
This is an honors introductory course in public speaking skills, including research, reasoning, organization, composition, presentation, and evaluation of informative and persuasive speeches for various audiences and situations. The goal will be the achievement of ethical, purposeful, and effective public speaking. Students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of readings, presentation and leadership skills demonstrated through class participation/presentation, and service learning in the community. 54 lecture hours. CSU; UC

SPCH 103
Argumentation and Debate
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Basic theories, principles, and methods for various levels and forms of argumentation and debate. Preparation and presentation of practice debates on current issues. 54 lecture hours. CSU; UC

SPCH 106
Small Group Communication
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Principles, techniques, and uses of discussion in contemporary society. Training and practice in informal group discussion, panel discussion, symposium and forum. Emphasis on collaborative decision-making. 54 lecture hours. CSU; UC

SPCH 150
Intercultural Communication
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Introduction to intercultural communication in domestic and/or global contexts. Influence of cultures, languages, and social patterns on how members of groups relate among themselves and with members of different ethnic and cultural groups. Theory and knowledge of effective communication within and between cultures. Appreciation and comparison of communication of diverse groups within the larger context of American culture. 54 lecture hours. CSU; UC (pending)

Theatre Arts
(Performing Arts Department)
The discipline of theatre arts includes theoretical and practical courses in all aspects of theatre, providing preparation in acting, directing, and technical theatre through productions. Students take courses to prepare for transfer and/or for professional training. Performance and technical theatre opportunities are available to both majors and non-majors. Courses satisfy general education requirements for the associate degree in transfer in theatre arts, the associate degrees in theatre arts, theatre arts with an acting emphasis and liberal arts with an emphasis in humanities, and lower division transfer.

Important Information About Theatre Arts Courses
Most theatre arts courses are now grouped together as course “families.” Students are allowed to take only four courses from each “family.” All grades received, including F, WD, and NC grades count towards the four courses.

The Theatre Arts course families are listed as follows.

TECHNIQUE
THEA 201 – Stage Acting I – Beginning
THEA 202 – Stage Acting II – Intermediate
THEA 205 – Stage Acting III – Intermediate/Advanced
THEA 206 – Stage Acting IV – Advanced

ACTING - STYLES
THEA 284 – Acting Shakespeare
THEA 292A – Special Techniques in Acting – Beginning
THEA 292B – Special Techniques in Acting – Intermediate

FILM AND TELEVISION
THEA 211A – Camera Acting I – Advanced
THEA 211B – Camera Acting II – Intermediate
THEA 211C – Camera Acting III – Intermediate/Advanced
THEA 211D – Camera Acting IV – Advanced

DIRECTING
THEA 241A – Fundamentals of Stage Directing – Beginning
THEA 241B – Fundamentals of Stage Directing – Intermediate

WRITING FOR STAGE AND SCREEN
THEA 204A – Stage and Screenwriting – Beginning
THEA 204B – Stage and Screenwriting – Intermediate
THEA 204C – Stage and Screenwriting – Intermediate/Advanced
THEA 204D – Stage and Screenwriting – Advanced
THEATRE PRODUCTION
THEA 210  -  Rehearsal and Performance in Production (may be repeated)

EXPERIMENTAL THEATRE
THEA 220  -  Rehearsal and Performance II
THEA 221  -  Theatre Practicum/Special Projects I - Storytelling
THEA 222  -  Theatre Practicum/Special Projects II - Physical Life
THEA 294  -  Shakespeare in Production

TOURING AND REPERTORY
THEA 250  -  Theatre Appreciation
THEA 290  -  Citrus Theatre Academy
THEA 291  -  Citrus Theatre Academy II
THEA 293A  -  Theatre for Young Audiences - Beginning
THEA 293B  -  Theatre for Young Audiences - Intermediate
THEA 296  -  Summer Concert Touring Production
THEA 297  -  Summer Concert Touring Production Practicum

Theatre Arts Courses
THEA 101  -  Introduction to Theatre Arts
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Background and foundation for appreciation and evaluation of theatre arts. Course will include a study of dramatic structure, history of the theatre, plays and playwrights, and a study of contemporary theatre production. 54 lecture hours. CSU; UC

THEA 104A  -  Voice and Movement for the Actor I - Beginning
3 Units
Grade or Pass/ No Pass
Strongly Recommended: Concurrent enrollment in THEA 201. Also, ENGL 099 if required by English placement exam or if required by English level.
A beginning course in vocal anatomy, physiology, and phonetics as well as the exploration of how the voice and body work. Designed to develop the actor’s awareness, relaxation, flexibility, and responsiveness in order to communicate openly and expressively. 54 lecture hours. CSU; UC

THEA 104B  -  Voice and Movement for the Actor II - Intermediate
3 Units
Grade or Pass/ No Pass
Prerequisite(s): THEA 104A.
An intermediate course in vocal anatomy, physiology and phonetics with a deeper exploration of how the voice and body work. A more detailed look at how the voice, body and text combine to create complex characters for performance. 54 lecture hours. CSU; UC (pending)

THEA 105  -  Improvisation for the Theatre
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A fundamental course introducing the techniques of improvisation to enhance character development. Focus is on group expression, problem-solving, focus, imagination, concentration and spontaneity with and without dramatic text. 54 lecture hours. CSU; UC (pending)

THEA 120  -  Introduction to Tech for Theatre, TV and Film
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An introduction to the technical areas of lighting, scenery, sound and costumes for theatre, film and television. Field trips include area theatres and studios. 54 lecture hours. CSU; UC

THEA 122  -  Stagecraft
3 Units
Grade Only
Prerequisite(s): THEA 120 or concurrent enrollment.
Planning and constructing stage and television scenery. Use of tools and stage equipment. Work in the scenic lab for department productions is required. 54 lecture hours, 18 lab hours arranged. CSU; UC

THEA 125  -  Technical Theatre Production
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A course in which students will gain practical experience while participating in a variety of productions in any of the following: construction crew, scenery crew, properties crew, costume crew, or running crew. 36 lecture hours, 54 lab hours arranged. CSU; UC

THEA 126  -  Technical Theatre Technician
3 Units
Grade Only
Prerequisite(s): THEA 120, THEA 125 and THEA 140.
A course in which students will gain practical experience while participating in a variety of live theatre productions in any of the following: lighting crew, sound crew, or rigging and automation crew. 36 lecture hours, 54 lab hours arranged.

THEA 127  -  Technical Theatre Crew Lead
3 Units
Grade Only
Prerequisite(s): THEA 160.
A course in which students will gain practical crew lead experience while participating in a variety of productions in any of the following: lighting crew lead, sound crew lead, running crew lead, or rigging and automation crew lead. 36 lecture hours, 54 lab hours arranged.

THEA 130  -  Introduction to Theatrical Scenery
3 Units
Grade Only
Strongly Recommended: THEA 120. Also, ENGL 099 if required by English placement exam or if required by English level.
A study of the equipment, processes and techniques used in planning and executing scenery for the stage. 36 lecture hours, 54 lab hours. CSU; UC
THEA 140
Introduction to Lighting for Theatre, Television and Film
3 Units
Grade Only
Prerequisite(s): THEA 120 or concurrent enrollment.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A visual survey through field trips, lecture, video and computer of lighting design for theatre, television, film and concerts. 54 lecture hours, 36 lab hours arranged. CSU; UC

THEA 145
Anatomy of Intelligent Lighting Instruments
3 Units
Grade Only
Prerequisite(s): THEA 120, THEA 125 and THEA 140.
The study, dissection and manipulation of intelligent lighting instruments and their use in various aspects of the entertainment field. 54 lecture hours, 18 lab hours arranged.

THEA 150
Introduction to Intelligent Lighting Consoles
3 Units
Grade Only
Prerequisite(s): THEA 120, THEA 125 and THEA 140.
The study, manipulation and application of intelligent lighting consoles and their use in various aspects of the entertainment field. 54 lecture hours, 18 lab hours arranged.

THEA 160
Computer Aided Design for Theatre
4 Units
Grade Only
Strongly Recommended: THEA 120 and THEA 125.
Entertainment design and technical production with an emphasis on the computer as a design and drafting tool. Applications include Vectorworks and Sketch-up. 54 lecture hours, 54 lab hours.

THEA 200
The Art of the Theatre
3 Units
Grade Only
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Introduction to theatre as an art form involving the inter-related processes of all elements of theatre with the primary focus being on script analysis. Includes the study of plays throughout history with emphasis on dramatic analysis and cultural significance. 54 lecture hours.

THEA 201
Stage Acting I - Beginning
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A beginning level performance class with an introduction to the Stanislavski Method of Acting. Provides a beginning in memorization, stage movement, vocal production and interpretation of text. 54 lecture hours, 36 lab hours.

THEA 202
Stage Acting II - Intermediate
3 Units
Grade or Pass/ No Pass
Prerequisite(s): THEA 201 or Audition.
A more in-depth approach to contemporary theatre using the Stanislavski method as well as other methods of acting in character and scene study and analysis. Students may perform in an Acting Showcase at semester’s end. 54 lecture hours, 36 lab hours.

THEA 204A
Stage and Screenwriting - Beginning
3 Units
Grade or Pass/ No Pass
Prerequisite(s): ENGL 101.
Beginning playwrights and screenwriters discover the basic craft of creating scripts for stage, screen, and television. Focus is on short films and on writing Act I of a full-length play or screenplay. 54 lecture hours, 18 lab hours.

THEA 204B
Stage and Screenwriting - Intermediate
3 Units
Grade or Pass/ No Pass
Prerequisite(s): THEA 204A.
A more detailed study of the fundamental techniques required in creating scripts for stage, screen and television. Focus is on short films and on writing Act II of a full-length play or screenplay. 54 lecture hours, 18 lab hours. CSU; UC (pending)

THEA 204C
Stage and Screenwriting - Intermediate/ Advanced
3 Units
Grade or Pass/ No Pass
Prerequisite(s): THEA 204B.
A further exploration of the skills developed in Stage and Screenwriting 204 A and B. Focus is on writing Act III of a full-length play or screenplay and creating a dramatic story with a fully realized beginning, middle and end. 54 lecture hours, 18 lab hours.

THEA 204D
Stage and Screenwriting - Advanced
3 Units
Grade or Pass/ No Pass
Prerequisite(s): THEA 204C.
A deeper exploration of the skills developed in Stage and Screenwriting 204 A, B & C. Focus is on original script rewrites and an introduction to writing for Television. 54 lecture hours, 18 lab hours. CSU; UC (pending)

THEA 205
Stage Acting III - Intermediate/ Advanced
3 Units
Grade or Pass/ No Pass
Prerequisite(s): THEA 202.
An extension of the concepts as introduced in Thea 201 and 202. Creating roles through intensive scene and monologue study. Approaches to individual actor problems. Students may perform in an Acting Showcase at semester’s end. 54 lecture hours, 36 lab hours.
THEA 206
Stage Acting IV - Advanced
3 Units
Grade or Pass/ No Pass
Prerequisite(s): THEA 205.
An extension of the concepts as introduced in THEA 201, 202 and 205. A more detailed breakdown of the basic concepts in the Stanislavski System. A focus on creating more nuanced characterizations. Students will perform in an Acting Showcase at semester's end. 54 lecture hours, 36 lab hours. CSU; UC

THEA 210
Rehearsal and Performance in Production
3 Units
Grade or Pass/ No Pass
Prerequisite(s): Audition.
Participation in the production of a full length play for public performance. Productions will be entered into the American College Theatre Festival for adjudication and competition. This course may be taken four times. 18 lecture hours, 108 lab hours. CSU; UC

THEA 211A
Camera Acting I - Beginning
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
The practice and study of the fundamental techniques required in acting before the camera in film and television in contrast to the variance from stage work. Students will address areas of non-verbal imagination work and movement for the camera; the structure of film and television settings; marketing strategies; "green screen" performance and improvisation techniques. 54 lecture hours, 36 lab hours. CSU; UC

THEA 211B
Camera Acting II - Intermediate
3 Units
Grade or Pass/ No Pass
Prerequisite(s): THEA 211A.
A more detailed study of the fundamental techniques required in acting before the camera in film and television in contrast to the variance from stage work. Students will address areas of scripted monologues, blocking, memorization, basic audition techniques, Voice Overs, ADR techniques and the concept of Continuity. 54 lecture hours, 36 lab hours. CSU; UC

THEA 211C
Camera Acting III - Intermediate/ Advanced
3 Units
Grade or Pass/ No Pass
Prerequisite(s): THEA 211B.
A build upon the skills developed in content introduced in Camera Acting I and II. A more intense and comprehensive introduction to specific performance, terminology, working in studio and on location front-of-camera experience. Skills addressed are given circumstances, casting/director workshops, and the division of labor on television and film sets. 54 lecture hours, 36 lab hours. CSU; UC

THEA 211D
Camera Acting IV - Advanced
3 Units
Grade or Pass/ No Pass
Prerequisite(s): THEA 211C.
A build upon the skills developed in content introduced in Camera Acting I and II. A more intense and comprehensive introduction to specific performance, terminology, working in studio and on location front-of-camera experience. Skills addressed are given circumstances, casting/director workshops, and the division of labor on television and film sets. 54 lecture hours, 36 lab hours. CSU; UC

THEA 212
Theatre Practicum/ Special Projects II - Physical Life
3 Units
Grade or Pass/ No Pass
Prerequisite(s): Audition.
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Developing the actor's free and responsive body through character study. A personal in-depth approach to creating character from the external to the internal through improvisation and physical exercises. 18 lecture hours, 108 lab hours. CSU; UC (pending)

THEA 212A
Concert Touring Technician
3 Units
Grade Only
Prerequisite(s): THEA 120, THEA 125 and THEA 140.
A course in which students will gain practical experience while participating in a variety of concert productions in any of the following: prep crew, load in crew, running crew, strike crew, lighting crew, or sound crew. 18 lecture hours, 108 lab hours arranged.

THEA 213
Introduction to Live Video Event Production
3 Units
Grade Only
Prerequisite(s): THEA 120, THEA 125
An introduction into multi-imaging; digital camera systems; high power video projection from LED scenic video and large screen displays to content delivery systems. 54 lecture hours, 18 lab hours arranged.
### THEA 241A
**Fundamentals of Stage Direction - Beginning**
3 Units  
Grade or Pass/ No Pass  
**Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.**
A beginning approach to the director's involvement in play analysis, casting, and rehearsal techniques leading to a performance. Students will receive practical experience in directing short scenes. 54 lecture hours, 36 lab hours. CSU; UC

### THEA 241B
**Fundamentals of Stage Direction - Intermediate**
3 Units  
Grade or Pass/ No Pass  
**Prerequisite(s): THEA 241A.**
An intermediate approach to the director's involvement in play analysis, casting, and rehearsal techniques leading to a performance. Students will explore character nuance, behavior shifts, rhythm, tempo and build upon staging techniques. 54 lecture hours, 36 lab hours. CSU; UC (pending)

### THEA 245
**Stage and Project Management for Theatre, TV and Film**
3 Units  
Grade Only  
**Prerequisite(s): THEA 160.**
A survey of production management and project management exploring the relationship between the artistry and the execution of show production in the entertainment industry. 36 lecture hours, 54 lab hours. CSU

### THEA 250
**Theatre Appreciation**
3 Units  
Grade or Pass/ No Pass  
**Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.**
An introduction to methods of evaluating theatre in performance. Students will view and critique at least five off-campus plays per semester. Transportation may be provided. 36 lecture hours, 54 lab hours. CSU; UC

### THEA 255
**Entertainment Production for Theme Parks and Themed Environments**
2 Units  
Grade Only  
**Prerequisite(s): THEA 160.**
An in-depth look at how to produce and execute themed entertainment for corporate events/shows and other non-traditional theatrical venues. 36 lecture hours, 9 lab hours arranged.

### THEA 260
**Introduction to Show Production Systems**
3 Units  
Grade Only  
**Prerequisite(s): THEA 145, THEA 150 and THEA 160.**  
**Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.**
The study of show production systems. The function and inter-relation of complete entertainment staging systems in a single environment including: physical staging systems, projection systems, truss systems, lighting rig, sound rig, computer and show control methods and rigging, power and distribution, crew and performer safety and access, trouble shooting and maintenance. Includes a study of the technical and design challenges posed by a variety of venues including, theatre, theme parks, exhibit and trade shows, conventions, and cruise lines. College level reading strongly recommended. 54 lecture hours, 18 lab hours. CSU

### THEA 262
**Rigging and Automation for Theatre and Live Events**
2 Units  
Grade Only  
**Prerequisite(s): THEA 160.**
The theory and practice of scenery automation and stage rigging with emphasis on theatre venues and the design of systems for special production events. 36 lecture hours, 9 lab hours arranged.

### THEA 270
**Introduction to Production Management**
3 Units  
Grade Only  
**Prerequisite(s): THEA 120 or concurrent enrollment.**
A survey of production management, exploring the relationship between the artistry and the execution of show production in the entertainment industry. 54 lecture hours, 18 lab hours arranged.

### THEA 272
**Introduction to Production Management Practicum**
3 Units  
Grade Only  
**Co-Prerequisite(s): THEA 270.**
A practicum course in support of THEA 270 Introduction to Production Management whose primary intention is to equip students with the knowledge necessary to pursue a career in the live entertainment field. 36 lecture hours, 54 lab hours arranged.

### THEA 274
**Advanced Production Management**
3 Units  
Grade Only  
**Prerequisite(s): THEA 272.**
A deeper exploration of the concepts presented in THEA 270's Introduction to Production Management. Students will learn how to manage multiple live events simultaneously and gain valuable experience by working on real shows. In this course we will utilize Microsoft Office software to facilitate the development and management of live entertainment events. 54 lecture hours, 18 lab hours arranged.

### THEA 276
**Advanced Production Management Practicum**
3 Units  
Grade Only  
**Co-Prerequisite(s): THEA 274.**
This course is designed for students to practice the skills acquired in Advanced Production Management to further equip students with the knowledge necessary to pursue a career in the live entertainment field. 36 lecture hours, 54 lab hours arranged.
THEA 284
Acting Shakespeare
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
An exploration of Shakespeare’s plays and poetry through scene study, monologues, rehearsal, and performance. This course aims to introduce a process and technique for analyzing play scripts and poetry for performance. 54 lecture hours, 18 lab hours. CSU; UC

THEA 290
Citrus Theatre Academy
3 Units
Grade or Pass/ No Pass
Prerequisite(s): Audition.
An intermediate approach to theatre for child audiences. Students are required to participate in a theatrical production for young audiences. Content includes hands-on methods in leading creative dramatic workshops. Along with “on-campus” performances, the production may include a tour to local elementary schools. In-class and out-of-class rehearsals may be necessary to complete production. 54 lecture hours, 36 lab hours. CSU; UC

THEA 291
Citrus Theatre Academy II
3 Units
Grade or Pass/ No Pass
Prerequisite(s): THEA 290 or Audition.
An extension of the concepts as introduced in THEA 290. Within an organized summer theatre company, a deeper investigation of character development will include material from a variety of genres. A more in-depth personal contact with outside professionals when appropriate and the possibility of performing if cast as an understudy will occur. Participants selected by audition into the course. 18 lecture hours, 108 lab hours. CSU; UC

THEA 292A
Special Techniques in Acting - Beginning
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
Preparation, rehearsal and public performance of college sponsored productions in an organized summer theatre company. This course provides continuing development of acting, technical theatre and design skills for Citrus students. When appropriate, students have opportunities to work with outside professionals and learn the skills of an understudy. Participants selected by application and audition. 18 lecture hours, 108 lab hours. CSU; UC

THEA 292B
Special Techniques in Acting - Intermediate
3 Units
Grade or Pass/ No Pass
Prerequisite(s): THEA 292A or Audition.
A more detailed approach in applying the Stanislavski Method to various genres of theatrical literature. A fundamental examination of how social and cultural influences affect the playwright’s choices will be analyzed through scenes and monologues. 54 lecture hours, 36 lab hours. CSU; UC

THEA 293A
Theatre for Young Audiences-Beginning
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.
A fundamental introduction to theatre for child audiences. Students are required to participate in a theatrical production for young audiences. Content includes an introduction to techniques towards leading creative dramatic workshops. Along with “on-campus” performances, the production may include a tour to local elementary schools. In-class and out-of-class rehearsals may be necessary to complete production. 36 lecture hours, 72 lab hours. CSU

THEA 293B
Theatre for Young Audiences - Intermediate
3 Units
Grade or Pass/ No Pass
Prerequisite(s): THEA 293A.
An intermediate approach to theatre for child audiences. Students are required to participate in a theatrical production for young audiences. Content includes hands-on methods in leading creative dramatic workshops. Along with “on-campus” performances, the production may include a tour to local elementary schools. In-class and out-of-class rehearsals may be necessary to complete production. 54 lecture hours, 36 lab hours. CSU; UC

THEA 294
Shakespeare in Production
3 Units
Grade or Pass/ No Pass
Prerequisite(s): THEA 284.
An intermediate approach to theatre for child audiences. Students are required to participate in a theatrical production of a Shakespearean play for middle and high school students as well as public performance. In-class and out-of-class rehearsals may be necessary in order to complete production. 54 lecture hours, 36 lab hours. CSU

THEA 295
Summer Concert Touring Production
7 Units
Grade Only
Prerequisite(s): Interview.
A course in the technical planning and execution of a live concert performance. 72 lecture hours, 162 lab hours arranged.

THEA 296
Summer Concert Touring Production
3 Units
Grade Only
Prerequisite(s): Interview.
A course in the technical planning and execution of a live concert performance. 54 lecture hours.
Thea 297  
Summer Concert Touring Production Practicum  
4 Units  
Grade Only  
Prerequisite(s): Interview.  
A course in the technical execution of a live concert performance. 18 lecture hours, 162 lab hours arranged.

Vocational Nursing (Health Sciences)

Vocational nursing, a career technical education program, provides the educational opportunity for students to develop the social, technical, and professional skills required of a licensed vocational nurse. The program prepares the student for the NCLEX-VN examination for state licensure through the Board of Vocational Nurses and Psychiatric Technicians. Upon successful completion of this examination, students are able to enter practice as Licensed Vocational Nurses. Successfully completed vocational nursing coursework may be applied toward an associate degree as electives.

Vocational Nursing Courses

VNRS 150  
Fundamentals of Nursing  
3 Units  
Grade Only  
Prerequisite(s): NRS 100, VNRS 151L and current admission to the Vocational Nursing program.  
This course presents the evolution of nursing through history until the present time, defines the paradigm of health and illness, explores the issues of culture and ethnicity, and examines the nurse-client relationship. The course presents a wide variety of basic nursing procedures used in the practice of vocational nursing, including how to do the procedure, as well as why and when these procedures should be done. The course presents special tools of nursing: the nursing diagnosis and the nursing process, which are used to provide individualized care to clients. 54 lecture hours.

VNRS 151L  
Fundamentals of Nursing Lab  
3 Units  
Pass/ No Pass  
Prerequisite(s): NRS 100, VNRS 150 and current admission to the Vocational Nursing program.  
Clinical application of theoretical concepts of basic nursing functions. Offered for Pass/No Pass grading only. 162 lab hours.

VNRS 152  
Pharmacology I  
1 Unit  
Grade Only  
Prerequisite(s): NRS 100.  
A beginning course in pharmacology. Elementary use of drug formulas, conversions, and dosage forms. Interpreting medical orders, and reading drug labels by learning common abbreviations; calculating I.V. flow rates is also included. 18 lecture hours.

VNRS 153  
Introductory Nutrition for the Vocational Nurse  
1 Unit  
Grade Only  
Prerequisite(s): NRS 100 and current admission to the Vocational Nursing program.  
This course introduces the fundamentals of nutrition to the nursing student by discussing the relationship of food and health and the body’s utilization of the six essential nutrients. Content also includes the five basic food groups, the food guide pyramid, and how to define and achieve a well-balanced diet. This course establishes the foundation needed for further study of nutrition in VNRS 163. 18 lecture hours.

VNRS 154  
Body Structure and Function for the Vocational Nurse I  
1.5 Units  
Grade Only  
Prerequisite(s): NRS 100, VNRS 150, VNRS 151L, VNRS 152, VNRS 153 and VNRS 155.  
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.  
Vocational nursing students will explore the basic facts of human anatomy and the principals of physiology with selected clinical examples. 27 lecture hours.

VNRS 160  
Medical-Surgical Nursing I  
3 Units  
Grade Only  
Prerequisite(s): VNRS 150, VNRS 151L and VNRS 152.  
This course introduces basic concepts of psychology while helping students relate them to their patient and themselves. It includes information about personality development, wellness, and personal care, assertiveness, job-related communication, cultural and spiritual differences, employability skills, the role of the LVN, general legal aspects and nursing ethics. 18 lecture hours.

VNRS 161L  
Medical-Surgical Nursing I Lab  
3 Units  
Pass/No Pass  
Prerequisite(s): VNRS 151L, VNRS 160 and current admission to the Vocational Nursing program.  
Clinical application of theoretical concepts of nursing care for clients with illness and/or injury of the musculoskeletal, integumentary, and gastrointestinal systems. Offered for Pass/No Pass grading only. 162 lab hours.
### VNRS 162
**Pharmacology II**  
1 Unit  
Grade Only  
Prerequisite(s): VNRS 150, VNRS 151L, VNRS 152, VNRS 153A, VNRS 154 and VNRS 155.  
Fundamental principles of drug action, the application of specific drugs in the treatment of disease, and the appropriate nursing actions to maximize the desired outcome of therapy. 18 lecture hours.

### VNRS 163
**Diet Therapy for the Vocational Nurse**  
1 Unit  
Grade Only  
Prerequisite(s): VNRS 153 and current admission to the Vocational Nursing program.  
This course presents nutritional needs across the lifespan, including the nutritional needs of healthy adults and the needs of people with certain illnesses, as well as nutritional needs related to pregnancy and lactation. Content includes nutritional assessment and planning, and the use of therapeutic diets in the treatment of certain illnesses. This course builds on the fundamentals of nutrition presented in VNRS 153. 18 lecture hours.

### VNRS 164
**Body Structure and Function for the Vocational Nurse II**  
1.5 Units  
Grade Only  
Prerequisite(s): VNRS 154.  
Co-Requisite(s): VNRS 160 and current admission into the Vocational Nursing Program.  
A continuation of body structure and function for the vocational nurse with clinical case studies. 27 lecture hours.

### VNRS 165
**Adult Growth and Development for the Vocational Nurse**  
1 Unit  
Grade Only  
Prerequisite(s): VNRS 150 and current admission to the Vocational Nursing program.  
Theoretical principles of growth and development. Nursing assessment and promotion of health of the adult from early adulthood through death. 18 lecture hours.

### VNRS 170
**Medical-Surgical Nursing II**  
7 Units  
Grade Only  
Prerequisite(s): VNRS 160, VNRS 161L, VNRS 162, VNRS 163 and VNRS 164.  
Co-Requisite(s): VNRS 171L.  
Provide advanced nursing students the theory needed to perform skills and procedures for the adult in VNRS 171L. By consistently emphasizing the nursing process and rationale, the approach to each body system includes basic assessment or data collection, planning, implementation, evaluation and documentation. Basic nursing skills are reinforced while advanced skills include those related to the following body systems: cardiovascular, respiratory, neurological, genitourinary, endocrine, and special senses. 126 lecture hours.

### VNRS 171L
**Medical-Surgical Nursing II Lab**  
7 Units  
Pass/ No Pass  
Co-Requisite(s): VNRS 170 and VNRS 183.  
Clinical application of theoretical concepts of medical-surgical nursing of clients with alterations of respiration, circulation, blood and immune system, endocrine, special senses, neurological, and genitourinary conditions. Offered for Pass/No Pass grading only. 378 lab hours.

### VNRS 172
**Advanced Pharmacology**  
2 Units  
Grade Only  
Prerequisite(s): VNRS 162.  
Fundamental principles of drug action and the application of specific drugs for the treatment of patients with alterations of respiration, renal system, circulation, the blood, endocrine function, neurological function, vision, and hearing. 36 lecture hours.

### VNRS 173
**Psychology for Vocational Nurses**  
2 Units  
Grade Only  
Prerequisite(s): VNRS 160.  
Co-Requisite(s): VNRS 172.  
Mental health care for patients and their families who are experiencing the pain of mental disorders. Teaches the nurse to plan and deliver care and provide health teaching so that effective self-care is possible when discharge occurs. 36 lecture hours.

### VNRS 180
**Pediatric Nursing**  
3.5 Units  
Grade Only  
Prerequisite(s): VNRS 160, VNRS 161L, VNRS 162, VNRS 163, VNRS 164. Also, VNRS 181 or concurrent enrollment.  
This course covers normal and abnormal conditions of the child from infancy through adolescence. It includes pediatric nursing experience in a local hospital, day care center, and/or clinic. 36 lecture hours, 90 lab hours.

### VNRS 181
**Growth and Development: Infancy-Adolescence**  
1 Unit  
Grade Only  
Prerequisite(s): VNRS 160.  
Co-Requisite(s): VNRS 172.  
Basic knowledge of child development and guidelines for use in primary health care settings. 18 lecture hours.

### VNRS 182
**Obstetrical-Gynecological Nursing**  
4 Units  
Grade Only  
Prerequisite(s): VNRS 160, VNRS 161L, VNRS 162, VNRS 163, VNRS 164 and VNRS 165.  
This course teaches nursing students the theory needed to perform skills and procedures for the obstetrical/gynecological patient in a clinical setting. By emphasizing the nursing process and rationale, the format with each disease or disorder of the obstetrical/gynecological patient includes assessment, planning, implementation, evaluation and documentation. Basic nursing skills are reinforced. Advanced skills include those related to prenatal, labor, delivery, postnatal care and gynecological diseases and disorders, as well as administration of medications. 36 lecture hours, 108 lab hours.
VNRS 183
Leadership in Nursing
3 Units
Grade Only
Prerequisite(s): VNRS 160 and VNRS 161L. Also, VNRS 170 and VNRS 171L or concurrent enrollment in either.

Teaches advanced nursing students the theory needed to perform skills and procedures used by nursing team leaders in a clinical setting. 36 lecture hours, 54 lab hours.

Water Technology
(Public Services Department)

Water Technology, a career technical program, prepares students for entry-level employment or advancement in the public water sector, including the distribution and treatment of water. The courses prepare students to take Department of Public Health certification examinations to qualify as a Water Treatment Operator or a Water Distribution Operator. The program also sponsors an annual one-day seminar with multiple fee based workshops to provide workers throughout southern California with required updated professional development in water technology and to maintain their certifications. Courses in this discipline lead to either an associate degree in Water Technology or a certificate of achievement in Water Technology.

Water Technology Courses

WATR 150
Introduction to Water Systems
3 Units
Grade or Pass/ No Pass
Strongly Recommended: ENGL 099 if required by English placement exam or if required by English level.

A basic course in water distribution and treatment covering water quality control practices, water sources, public health aspects of water regulations, supply, water treatment arithmetic, chemical treatment, filtration, corrosion, disinfection, tastes and odors in water, water system operation and maintenance, valves, pipes, pumps, and meters. The material covered in this course will be helpful to those preparing for the D-1 and D-2 Water Distribution Operator's Certificate examinations and the T-1 Water Treatment Operator's Certificate examination given by the State of California. 54 lecture hours.

WATR 151
Water Resources and Distribution I
3 Units
Grade or Pass/ No Pass
Strongly Recommended: WATR 150 and MATH 030.

A course designed for water distribution systems operators. This course continues WATR 150. Topics include: water production, types of reservoirs, water lines, pumps, water chemistry, water treatment, arithmetic, chemical treatment, appurtenances, method of installation, repair of facilities, back up theory, and administrative functions behind the distribution system. This course prepares the student for the D2 and D3 Water Distribution Operator's examinations. 54 lecture hours.

WATR 153
Water Resources and Distribution II
3 Units
Grade or Pass/ No Pass
Strongly Recommended: WATR 150, WATR 151 and MATH 030.

A course in practical water supply hydraulics with emphasis on the basic principles of hydraulics. The purpose of the course is to clarify pressure, head, buoyancy, friction loss, forces, velocity of flow and size capacity relationship of distribution systems. The course includes the study of pump characteristics, sizing of pumps, water chemistry, water treatment, arithmetic, chemical treatment, and efficiency test procedures. Typical calculations include line loss in series and parallel pipe systems, residual pressure, forces on thrust blocks, and horsepower requirements for pumps. This course prepares the student for the D3, D4, and D5 Water Distribution Operator's examinations. 54 lecture hours.

WATR 155
Water Distribution Operator Exam Preparation
1 Unit
Grade or Pass/ No Pass
Strongly Recommended: WATR 150 or possession of a D-1 Distribution Operator Certification.

A course in drinking water distribution designed as a review for water distribution operators preparing to take the California Department of Public Health D2 or D3 examinations. 18 lecture hours.

WATR 156
Water Treatment I
3 Units
Grade or Pass/ No Pass
Strongly Recommended: MATH 030 and WATR 150.

Course covering water resources, water quality, unit operations of water treatment, public health requirements, and the basics of water chemistry and aquatic microbiology. Prepares students for the T1, T2, and T3 Water Treatment Operator's Certificate examinations given by the State of California. 54 lecture hours.

WATR 157
Water Treatment II
3 Units
Grade or Pass/ No Pass
Strongly Recommended: WATR 156.

A course covering water resources, water quality, unit operations of advanced water treatment systems, public health, water chemistry and microbiology, and fluoridation. Prepares students for the T3, T4, and T5 Water Treatment Operator's Certificate examinations required by the California Department of Public Health. 54 lecture hours.

WATR 162
Water Conservation
3 Units
Grade or Pass/ No Pass

This class provides an overview and technical information on the role of the water conservation coordinator in the public water supply industry. Topics include: water supply and cycle, structure and operations of utilities, regulatory agencies, best management practices, water conservation programs and technologies. This class will help the student prepare for the AWWA grade one Water Conservation Practitioner Certification. 54 lecture hours.
Cooperative Education Courses

Cooperative Work Experience (Co-op Ed) links student learning in a Citrus College class to a job that relates to that class. The student, Citrus College instructor, and the worksite supervisor all work together to create learning objectives that the student must accomplish during the semester at their place of employment or training site. The job must pay at least minimum wage though students who volunteer at a nonprofit agency may also receive Co-op Ed credit. The student may enroll in one to four Co-op Ed units, which are determined by the number of hours they will work towards their learning objectives during the semester. Students enrolled in Co-op Ed courses may take classes for a letter grade or as Pass/No Pass. Approval is required prior to enrollment. For more information, contact the academic department.

Citrus College offers Co-op Ed courses in the following departments and disciplines.

The series 698 A, B, C, D courses are the Non-Profit Volunteer work ranging in units from 1 to 4.

The series 699 A, B, C, D courses are the Paid Work courses ranging in units from 1 to 4.

Administration of Justice Contact department (626) 914-8860
AJ 698 C
AJ 699 C

Art, Photography, Theatre Arts Contact department (626) 914-8580
ART 698 A, B, C, D
ART 699 A, B, C, D
PHTO 698 A, B, C, D
PHTO 699 A, B, C, D
THEA 698 C
THEA 699 A

Automotive Technology, Drafting, Information Technology, Motorcycle Technology, Office Technology and Computer Applications. Contact department (626) 852-6402
AUTO 698 A, B, C, D
AUTO 699 A, B, C, D
DRAF 698 C
DRAF 699 A,C
IT 698 B, D
IT 699 B, D
MTRK 698 A, B, C, D
MTRK 699 A, B, C, D
OFF 698 A, B, C, D

Biology, Chemistry, Earth Science Contact department (626) 914-8789
BIOL 698 A, B, C, D
BIOL 699 A, B, C, D
CHEM 698 A, B, C, D
CHEM 699 A, B, C, D
ESCI 698 A, B, C, D
ESCI 699 A, B, C, D
FOR 698 A, B, C, D
FOR 699 A, B, C, D

Dental Assisting Contact department (626) 914-8791
DENT 698 A, B, C, D
DENT 699 A, B, C, D

Health Occupations Contact department (626) 914-8791
HEAL 698 A, B, C, D
HEAL 699 A, B, C, D
Academic Freedom Statement
It is the policy of the Citrus Community College District to support the principles of academic freedom, built upon the free expression and exchange of ideas that are inherent in the search for scholarly truth and upon which a free and democratic society depends. The district affirms the use of a variety of teaching methodologies to fulfill its obligation to raise difficult and meaningful questions in the educational development of students. Faculty are entitled to freely discuss issues germane to their subject matter. This freedom involves the right to introduce controversial topics, as long as the manner of presentation involves objective reasoning and rational discussion.

Academic freedom must be balanced with the obligation of the district to protect the right of students to learn in an environment characterized by civility, open inquiry, and freedom from unlawful discrimination. While faculty have the right to present ideas and conclusions which they believe to be in accord with available evidence, they also have the responsibility to acknowledge the existence of different opinions and to respect the right of others to hold those views. Faculty and students have a responsibility to engage in teaching and learning that honors and respects divergent viewpoints that are grounded in cultures of reason, logic, evidence and responsible scholarship.

When faculty (or any other district employees) speak or write as citizens, care should be taken to avoid the representation of any personal view as that of the district or of Citrus College.

Academic Honesty
See Code of Conduct

Athletic Eligibility
See Athletics: The Fighting Owls section

Drug Free Environment and Drug Prevention Program

The district is committed to maintaining an environment free from the unlawful possession, use, or distribution of illegal substances and alcohol by students and employees.

With the exception of alcohol products intended fully for use in classroom scientific experiments and not intended for human consumption, the unlawful manufacture, distribution, dispensing, possession or use of alcohol or any other controlled substance is prohibited on district-owned or controlled property, at district-sponsored or supervised functions, or related to or arising from District attendance or activity.

All employees are required to comply with this policy as a condition of their employment and continued employment.

Any student or employee who violates this policy will be subject to disciplinary action, which may include referral to an appropriate rehabilitation program, suspension, demotion, expulsion or dismissal. Any employee convicted under a criminal drug and/or alcohol statute for conduct in the workplace must report this conviction within five days to the superintendent/president.

The superintendent/president shall assure that the college distributes annually to each student the information required by the Drug-Free Schools and Communities Act Amendments of 1989 and complies with other requirements of the Act.

Campus Disturbances
The willful disturbance of classes, college activities, or procedures is a misdemeanor. (California Penal Code, Section 626.6)

Cheating and Plagiarism
See Code of Conduct

Code of Conduct
Those representing Citrus College at any conference, trip or athletic event will observe this Code of Conduct.

Basic Responsibilities on Conferences, Trips or Athletic Events
1. Participants, students, and advisers shall recognize their responsibility for proper conduct during a trip to or from, and at the conference or event.
2. Advisers shall recognize their responsibility for the actions of their students. Each student will be directly responsible to the adviser.
3. Rules established by the host organization or location must be observed.
4. Prior to the conference or trip, the student participants and advisers shall have read the Standards of Conduct.
5. Attendance at all meetings, including meals, is considered part of the participant’s responsibility while at a conference unless first excused by the advisers.

6. No student may officially or unofficially represent Citrus College at any event away from the campus without an adviser or special permission granted by the Citrus College administration to be without an adviser.

Standards of Conduct
Standards of Conduct (Board Policy BP 5500)
The Superintendent/President shall establish procedures for the imposition of discipline on students in accordance with due process requirements of federal and state laws, and regulations.

The procedures shall clearly define the conduct that is subject to discipline, and shall identify potential disciplinary actions, including but not limited to the removal, suspension, or expulsion of a student.

The Board of Trustees shall consider any recommendation from the Superintendent/President for a student’s expulsion. The Board shall consider an expulsion recommendation in closed session unless the student requests that the matter be considered in a public meeting. Final action by the Board on the expulsion shall be taken at a public meeting.

The procedures shall be made widely available to students through the College catalog and other means.

The following conduct shall constitute good cause for discipline, including but not limited to the removal, suspension, or expulsion of a student:

1. Causing, attempting to cause, or threatening to cause physical injury to another person;

2. Possession, sale or otherwise furnishing any firearm, knife, explosive, or other dangerous object, including but not limited to any facsimile firearm, knife, or explosive, unless, in the case of possession of any object of this type, the student has obtained written permission to possess the item from a District employee with the concurrence of the Superintendent/President;

3. Unlawful possession, use, sale, offer to sell, or furnishing, or being under the influence of, any controlled substance listed in Chapter 2 (commencing with Section 11053) of Division 10 of the California Health and Safety Code, an alcoholic beverage, or an intoxicant of any kind; or unlawful possession of, or offering, arranging, or negotiating the sale of any drug paraphernalia, as defined in California Health and Safety Code Section 11014.5;

4. Committing or attempting to commit robbery or extortion;

5. Causing or attempting to cause damage to District property or to private property on campus;

6. Stealing or attempting to steal District property or private property on campus, or knowingly receiving stolen District property or private property on campus;

7. Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the College or the District;

8. Committing sexual harassment as defined by law or by District Board Policies and Administrative Procedures;

9. Engaging in harassing or discriminatory behavior based on disability, gender, gender identity, gender expression, nationality, race or ethnicity, religion, sexual orientation, or any other status protected by law;

10. Willful misconduct which results in injury or death to a student or to District personnel or which results in cutting, defacing, or other injury to any real or personal property owned by the District or on campus;

11. Disruptive behavior, willful disobedience, habitual profanity or vulgarity, or the open and persistent defiance of the authority of, or persistent abuse of, District personnel;

12. Cheating, plagiarism (including plagiarism in student publications), or engaging in other academic dishonesty;

13. Dishonesty, forgery, alteration or misuse of District documents, records or identification; or knowingly furnishing false information to the District;

14. Unauthorized entry upon or use of District facilities;
15. Lewd, indecent or obscene conduct on District-owned or controlled property, or at District-sponsored or supervised functions;

16. Engaging in expression which is obscene; libelous or slanderous; or which so incites students as to create a clear and present danger of the commission of unlawful acts on District premises, or the violation of lawful District administrative procedures, or the substantial disruption of the orderly operation of the District;

17. Persistent, serious misconduct where other means of correction have failed to bring about proper conduct;

18. Unauthorized preparation, giving, selling, transfer, distribution, or publication, for any commercial purpose, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction, including but not limited to handwritten or type-written class notes, except as permitted by any District Board Policy or Administrative Procedure;

19. Violation of College rules or regulations including campus policies concerning the student organizations, the use of College facilities, or the time, place and manner of public expression;

20. Persistent violation of classroom standards of conduct as established by the instructor;

21. Any other cause not listed above which is identified as “Good Cause” by the Education Code.

For detailed information regarding student discipline, visit www.citruscollege.edu and click Student Affairs, Student Conduct and Discipline, Standards of Conduct (Board Policy BP 5500).

Driving and Parking
The Citrus Community College District Board of Trustees have adopted traffic and parking regulations in accordance with the California Vehicle Code. Refer to the current Schedule of Classes for details. For further information, please see AP 6750 policy.

Grievance Procedures
Student grievance procedures provide every student with a prompt and equitable means of seeking an appropriate resolution for any alleged violation of his or her rights. The rights protected under these procedures include, but are not limited to, those guaranteed by the established rules and regulations of the Citrus Community College District and the Education Code of the State of California.

The student grievance procedure does not apply to student disciplinary actions covered under separate board policies and administrative procedures and parking citations “tickets” obtained on campus.

Students are advised that grievances must be filed within 20 school days of the occurrence. The procedures do not apply to the employment rights of students. Sexual harassment or discrimination complaints are made to the Office of Human Resources.

Citrus College students are, by law, protected against capricious, arbitrary, unreasonable, unlawful, false, malicious or professionally-inappropriate evaluations or actions by an employee of Citrus College.

For information regarding student grievance procedures, contact the Office of the Vice President of Student Services at (626) 914-8532.

Hazing
Hazing is prohibited in California schools. Violators may be punished by a fine not to exceed $1,000 and/or to a year in jail.

Sexual Misconduct Information
Citrus Community College District is committed to providing an educational environment that is safe and free from all forms of discrimination, sexual harassment, and sexual misconduct.

No community can be totally risk free in today’s society. However, working together, students, faculty, staff, and visitors can help create an atmosphere which is as safe and crime-free as possible. Sections 66281.5 and 67385.7 of the California Education Code require that community college districts adopt and implement procedures to ensure prompt response to victims of sexual harassment and sexual misconduct which occur both on and off-campus, as well as, providing victims with information regarding post sexual assault treatment options and services. Citrus College is proactive in offering a safe environment for students, faculty, staff, and visitors and will not tolerate sexual misconduct. For this, Citrus College offers prevention and education information and orientation programs about domestic violence, sexual assault, dating violence, and stalking to students, faculty, staff, and visitors to help prevent the risk of sexual harassment and sexual misconduct on or off-campus. Additional information is available through the Sexual Violence Prevention Statement on the college web site at www.citruscollege.edu.
All Citrus College employees are deemed “responsible employees” and must report any violations or alleged violations of sexual harassment, sexual misconduct, domestic violence, dating violence, stalking, and retaliation involving students. A “responsible employee” who receives a report of sexual harassment or sexual misconduct must promptly notify the Title IX Coordinator at (626) 914-8830.

**Sexual Harassment (Board Policy 7102/ Administrative Procedure 7102.1)**

Sexual harassment consists of unwelcome sexual advances, requests for sexual favors, and other conduct of sexual nature when:

1. Submission to the conduct is made a term or condition of an individual’s academic status or progress;
2. Submission to, or rejection of, the conduct by the individual is used as a basis of academic decisions affecting the individual;
3. The conduct is so severe, pervasive, and objectively offensive that the victim is effectively denied access to an educational opportunity or benefit; or
4. 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.

Any student or employee who believes that he/she has been harassed or retaliated against in violation of Board Policy 7102 should immediately report such incidents by following the procedure described in Administrative Procedure 7102.1 entitled “Prohibition of Harassment: Students and Employees.” Supervisors are mandated to report all incidents of harassment and retaliation that come to their attention. Employees who violate the policy and procedures may be subject to disciplinary action up to and including termination. Students who violate this policy and related procedures may be subject to disciplinary measures up to and including expulsion.

To file a complaint on allegations of sexual harassment, discrimination, or retaliation based on a protected category against a College employee or student are made to the Title IX Coordinator at (626) 914-8830. To file a complaint, refer to Discrimination Complaint Procedures (Administrative Procedure 7101).

**Sexual and Other Assault (Board Policy 3540/ Administrative Procedure 3540)**

Sexual assault is defined as any kind of unwanted sexual contact. This includes, but is not limited to, rape, forced sodomy, forced oral copulation, rape by a foreign object, sexual battery, or threat of sexual assault. Sexual violence may include sexual assault, rape, date rape, acquaintance rape, domestic violence, stalking, dating violence, forcing a person to watch/engage in pornography, harassment, exposing/flash, voyeurism, and/or fondling.

Any sexual violence or physical abuse, including, but not limited to rape as defined by California law, whether committed by a student, faculty, staff or visitor, that occurs on District property, on college owned or controlled property, at college sponsored or supervised functions, or related to or arising from college attendance or activity is a violation of Board Policies and Administrative Procedures, and is subject to all applicable punishment, including criminal procedures and/or civil prosecution, and employee or student discipline procedures. Students, faculty, staff, and visitors who may be victims of sexual and/or other assaults shall be treated with dignity and provided comprehensive assistance.

Any sexual violence against the wishes and without the affirmative consent of the violated person, whether by a stranger or by an acquaintance, whether against a woman or a man, is a violation of the law. “Affirmative consent” means affirmative, conscious, and voluntary agreements to engage in sexual activity. It is active, not passive. Silence, in and of itself, is not consent. Prior consent is not consent to future acts. A person must be fully conscious and aware of their actions to be able to give consent. This means that a person who is asleep, drugged, intoxicated, unconscious, a minor, mentally impaired, or incapacitated cannot give consent. Intercourse under any of these circumstances is rape.

Any person who has been the victim of sexual misconduct or who has information regarding sexual violence on campus is strongly urged to call 911 or the police or sheriff department in the city where the crime took place and report the situation as soon as possible. If you are the victim of sexual assault on or off-campus you may also:

1. Go to a safe place. If on campus, you may call Campus Safety 24 hours a day, 7 days a week at (626) 914-8611.
   You may also visit or contact the Student Health Center (SS 147) during business hours at (626) 914-8671.
2. Help preserve evidence. You
do not have to decide immediately whether or not you want to pursue a criminal complaint. Collecting evidence immediately following an assault will be helpful if you decide to press charges later.

3. Seek emotional care and support. Don’t try to deal with this situation alone. Call a friend, family member, or someone with whom you feel you can talk to. A 24 hour rape crisis hotline is available where help may be sought by calling (626) 793-3385.

4. Get medical attention as soon as possible to assess and treat physical injuries you may have sustained and to collect evidence of the assault. Choose to go directly to a hospital emergency room for medical care. Please keep in mind that there are many off-campus and confidential resources that can provide different support services to you in a time of crisis. This includes but is not limited to:

- Rape Treatment Center offers free rape exam with police officer authorization. Free rape exams are also available without police authorization, although police presence is strongly encouraged. (310) 319-4000 located at 1250 16th Street, Santa Monica CA.
- Project SISTER Sexual Assault Crisis & Prevention Services offers immediate crisis assistance in seven languages, seven days a week. They also provide accompaniment/advocacy services in which trained volunteers support and advise survivors of sexual violence and child abuse at the hospital, police station, and during court appearances. 24-hour hotlines:
  - (909) 626-HELP (4357) or (626) 966-4155
  - Foothill Presbyterian Hospital: (626) 963-8411
  - Glendora Police Department: (626) 914-8250
  - Family Counseling Services: (626) 308-1414
  - Peace Over Violence: (626) 966-4155
  - San Bernardino Sexual Assault Services: (626) 885-8884

5. If the perpetrator is a student at Citrus College, consider reporting the assault to the Manager of Human Resources & Staff Diversity/Title IX Coordinator at (626) 914-8830 and/or police. Telling the police does not commit you to further legal action. The Title IX Coordinator, Campus Safety, and Student Health Center are campus Non-Confidential Resources.

Confidentiality and Privacy
The Title IX Coordinator uses discretion and seeks to protect the privacy of all persons involved in complaints of sexual harassment and sexual misconduct. Unless explicitly stated, all other persons or entities on campus are not confidential and may have an obligation to report your disclosure to the Title IX Coordinator at (626) 914-8830.

If you experience any type of sexual misconduct and want to speak to someone confidentially about your options, rights, and experiences, contact a confidential resource.

Smoking on Campus
See Substance Abuse

Substance Abuse
The Citrus Community College District prohibits the unlawful possession, use, or distribution of illicit drugs and alcohol by students and employees on college property, and as part of any college sponsored or sanctioned event. In addition, the use of tobacco is prohibited in all district buildings and vehicles. (Citrus Community College District Board Policy 7103, Education Code 87335, Standards of Student Conduct, and U.S. Public Law 101-226). Any student or employee in violation of this policy is subject to disciplinary action, up to and including, expulsion from college or termination from employment for violations of the standard code of conduct. The decision to take disciplinary action in any such instance rests with the Board of Trustees after consideration of the recommendation of the Superintendent/President.

Notices
Campus Safety
From January 1, 2011 through December 31, 2013, the following criminal offenses occurred on campus and were reported to Campus Safety and public agencies:

<table>
<thead>
<tr>
<th>Offense</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Murder/Non-Negligent</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Manslaughter</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Negligent Manslaughter</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Sex Offense (Forcible)</td>
<td>3</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Forcible Rape</td>
<td>n/a</td>
<td>n/a</td>
<td>0</td>
</tr>
<tr>
<td>Forcible Sodomy</td>
<td>n/a</td>
<td>n/a</td>
<td>0</td>
</tr>
<tr>
<td>Sexual Assault With An Object</td>
<td>n/a</td>
<td>n/a</td>
<td>0</td>
</tr>
<tr>
<td>Forcible Fondling</td>
<td>n/a</td>
<td>n/a</td>
<td>1</td>
</tr>
<tr>
<td>Sex Offense (Non-Forcible)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Incest</td>
<td>n/a</td>
<td>n/a</td>
<td>0</td>
</tr>
<tr>
<td>Statutory Rape</td>
<td>n/a</td>
<td>n/a</td>
<td>0</td>
</tr>
<tr>
<td>Robbery</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Aggravated Assault</td>
<td>5</td>
<td>0</td>
<td>1</td>
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<tr>
<td>Arson</td>
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</table>
Students who have questions or concerns about the nondiscrimination policy can contact the human resources staff diversity manager at (626) 914-8830.

Open Enrollment
All courses, course sections, and classes offered by Citrus College are open for enrollment to any person who has been admitted to the college. Enrollment may be subject to any priority system that the college has established. Enrollment may also be limited to students meeting properly validated prerequisites and co-requisites of certain academic programs, or due to other practical considerations such as exemptions set out in statute or regulation.

Public Safety
See Campus Safety

Student Rights and Privacy Act
Citrus College student records are maintained in accordance with the Education Code, Title 5, California Civil Code, and the U.S. Patriot Act. Written student consent is required for access and release of information defined as educational records in the federal and state laws as described in Citrus College AP 5040.

A student's directory information (student's name, address, telephone number, date and place of birth, major field of study, enrollment status, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and most recent previous public or private school attended) may be released upon request unless the Admissions and Records Office receives written notification that a student reserves the right to authorize, in writing and, on an
individual request basis, the access and release of the directory information. Such a notice of restriction will remain in effect until it is countermanded in writing.

Additionally, the law provides that a student may request access to the college records which are personally identifiable to that student, and may challenge the accuracy or the appropriateness of retention of information in the college record.

**Student Right-to-Know**

In compliance with the Student Right-To-Know and Campus Security Act of 1990, it is the policy of the Citrus Community College District and Citrus College to make available its completion and transfer rates to all current and prospective students. Student Right-To-Know (SRTK) refers to a federally-mandated public disclosure of a college’s completion rate and transfer rate. The intent of SRTK is to provide to the consumer a statistic of comparable effectiveness that they can use in the determination of college choice. All colleges nationwide are effectively required to participate in the disclosure of rates by January 2000.

SRTK is a “cohort” study; that is, a group of students who are first-time freshmen, are enrolled full-time and are degree-seeking, is identified in a fall term and their outcomes are measured over a period of time. The outcomes that the two SRTK rates measure are completion (the total number of students in the cohort who earn either a degree, a certificate, or who successfully completed a two-year-equivalent transfer-preparatory program) and transfer (the total number of cohort non-completers who were identified as having enrolled in another institution). The tracking period of the cohorts is three (3) years, at which time the SRTK rates are calculated and made public.

SRTK Rates are derived and reported yearly on the IPEDS-GRS (Integrated Postsecondary Educational Data System-Graduation Rate Survey). The IPEDS-GRS also tracks part-time student cohorts over a six (6) year period; however, full-time cohort status after three years is the only basis for calculating SRTK rates.

Access to the Citrus College Student Right-To-Know Rates and further information about the rates and how they should be interpreted is available through the “Student Right-To-Know Information Clearinghouse” Web site maintained by the Chancellor’s Office, California Community Colleges at [http://srtk.cccco.edu/index.asp](http://srtk.cccco.edu/index.asp)

Questions concerning students’ rights under the privacy act should be directed to the Admissions and Records Office, 626-914-8511.
## Faculty and Administrators
(Date of appointment follows Name)

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Degrees/Institutions</th>
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<tbody>
<tr>
<td>Afzali, Ana (1997)</td>
<td>Spanish</td>
<td>A.S., Westbrook College; B.A., University of Maryland; M.A., Ph.D., University of California, Los Angeles</td>
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<tr>
<td>Aguirre, Shellyn M. (2014)</td>
<td>Counseling</td>
<td>B.A., California State Polytechnic University, Pomona; MSW, California State University, Los Angeles</td>
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<tr>
<td>Allahbachayo, Salima (2009)</td>
<td>Nursing</td>
<td>B.A., Aga Khan University; M.S., University of California, Los Angeles</td>
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<td>Anderson, Brian (1999)</td>
<td>Mathematics</td>
<td>B.S., Hofstra University; M.A., Claremont Graduate School</td>
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<td>Anson, Melanie (1988)</td>
<td>Public Address/Speech</td>
<td>B.A., University of California, Los Angeles; M.A., Ph.D., University of Southern California</td>
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<td>Arredondo, Dora (2004)</td>
<td>Dental Technology</td>
<td>B.S., University of Phoenix</td>
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<td>Avalos, Steve (2000)</td>
<td>Counseling</td>
<td>A.A., Mt San Antonio College; B.A., California State University, Long Beach; M.A., Azusa Pacific University</td>
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<td>Barajas, Noemi (2013)</td>
<td>Nursing</td>
<td>B.S., California State University Dominguez Hills; M.S. Mount St. Mary's College</td>
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<td>Bautista, Susan (2006)</td>
<td>Cosmetology</td>
<td>A.S., Mount San Antonio College</td>
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<td>Bigby, Shauna (2006)</td>
<td>College Nurse</td>
<td>A.A., Mount Saint Mary’s College; B.S., University of Southern California; M.S. California State University, Long Beach; DNP, University of Colorado</td>
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<td>Bosler, Sally (2010)</td>
<td>Librarian</td>
<td>B.A., Azusa Pacific University; M.Ed., Azusa Pacific University; MLIS, San Jose State University</td>
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<td>Bowman, Deborah (2004)</td>
<td>Licensed Vocational Nursing</td>
<td>B.S., California State University, Fullerton</td>
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<td>Boxley, Jackie (2004)</td>
<td>Kinesiology</td>
<td>B.S., California State University, Fullerton; M.A., Azusa Pacific University</td>
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<td>Brawner, Mary (1990)</td>
<td>Kinesiology</td>
<td>B.S., Fort Hays State University; M.S., Fort Hays State University</td>
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<td>Brown, Cherie (1998)</td>
<td>Theatre Arts</td>
<td>B.A., California State University, Fullerton; M.F.A., University of California, Irvine</td>
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<td>Brown, David (1999)</td>
<td>Automotive</td>
<td>A.S., Citrus College</td>
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<td>Brown, Rick (2006)</td>
<td>Psychology</td>
<td>B.A., University of Louisville; M.A., Ph.D., Emory University</td>
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<td>Buchwald, Rosalinda (1983)</td>
<td>Director of Fiscal Services</td>
<td>B.S., University of La Verne; M.B.A. University of La Verne</td>
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<td>Cali, Jack (1999)</td>
<td>Philosophy</td>
<td>B.A., California State University, Los Angeles; M.A., Ph.D., Claremont Graduate School</td>
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<td>Castillo, Claudia (2004)</td>
<td>Counseling</td>
<td>B.A., California State University, Fullerton; M.A. Chapman University</td>
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<td>Clark, Jeremy (2001)</td>
<td>Automotive</td>
<td>B.S., California State University, Long Beach</td>
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<td>Cross, Cynthia (2005)</td>
<td>ESL</td>
<td>B.A., University of California, Riverside; M.A., California State Polytechnic University, Pomona</td>
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<td>Cross, Peter (2015)</td>
<td>Biology</td>
<td>B.S., University of California, San Diego; M.S. James Cook University</td>
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<td>Nursing</td>
<td>B.S., California State University, Los Angeles; M.S., University of Phoenix</td>
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<tr>
<td>Dain, Claudette E. (2014)</td>
<td>Vice President of Finance and Administrative Services</td>
<td>B.S., California State Polytechnic University, Pomona; MBA, California State University, Dominguez Hills</td>
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<td>Desimone, Natalie A. (2014)</td>
<td>Counseling</td>
<td>B.A., Chapman University; M.A., University of California, Los Angeles</td>
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<td>Diamond, Fred E. (2011)</td>
<td>Director of Facilities and Construction</td>
<td>A.S., Long Beach City College; B.A., Chapman University; M.B.A., University of La Verne</td>
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<td>Dominguez, Victoria (2012)</td>
<td>Mathematics</td>
<td>B.A., M.S. University of Southern California; M.A. California State University, Fullerton</td>
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Duffy, Dyane (2001)  
Art  
B.A., California State University, Chico; M.F.A., Claremont Graduate School

Durfield, Timothy (2006)  
Business  
B.S., M.B.A., Azusa Pacific University; J.D., Western State University College of Law

Eiland, Thomas (1997)  
English  
B.A., M.A., California State Polytechnic University, Pomona

Eisel, Gunnar (1989)  
Music  
A.A., Citrus College; B.A., California State University, Long Beach; M.A., California State University, Fullerton

Eisel, Roberta (2000)  
English  
B.A., California State University, Long Beach; M.A., Occidental College; M.P.A., California State University, Los Angeles

Ellis, Jeanette (2006)  
Licensed Vocational Nursing  
B.S., M.S., University of Phoenix

Everest, Rob (1999)  
Mathematics  
B.A., M.S., Southern Oregon University; M.A., Azusa Pacific University

Everett, Ann (2012)  
Cosmetology  
B.S., California State University, Fullerton

Farahani, Badieh (2006)  
Chemistry  
B.S.E., University of Michigan; M.S., California State Polytechnic University

Fernandes, Richard (1992)  
Architectural Drafting  
B.A., San Diego State University; M.A., California State University Los Angeles; Ph.D., Pepperdine University

Fincher, John (1998)  
Language Arts/Speech  
B.S., West Georgia College; M.A., California State University, Los Angeles

Fink, Brenda (1996)  
Manager of Human Resources/Staff Diversity  
B.A., M.A., University of La Verne; M.B.A., University of Redlands

Flores, Richard (1998)  
Computer Science & Information Systems  
B.A., M.A., California State University Northridge; M.S., Pepperdine University

Garate, Elisabeth (2000)  
Spanish  
B.A., M.A., California State University, Los Angeles; Ph.D., University of California, Los Angeles

Business  
B.A., M.B.A., California State University, Fullerton

Glover, Patty (2004)  
Cosmetology  
B.S., California State University, San Bernardino

Goedhart, Christine (2012)  
Biology  
B.S., California State University, Fullerton; Ph.D., University of California, Irvine

Gomez, Steven (2001)  
Kinesiology  
B.S., M.S., California State Polytechnic University, Pomona

Gong, Catherine (1994)  
Mathematics  
B.A., University of California, Santa Cruz; M.A., University of California, Berkeley

Gonzalez, Rudy (2006)  
Mathematics  
B.A., M.S., California State University, Los Angeles

Gonzales-Tapia, Sara (2006)  
Director of EOP&S, CARE and CalWORKs  
B.A., M.Ed., University of California, Los Angeles

Goodman, Robert (2000)  
Forestry  
B.S., California State Polytechnic University, Pomona; M.S., California State Polytechnic University, Pomona

Graciano, Albert (2002)  
Cosmetology  
Teaching Credential, University of California, Los Angeles

Granger, Lanette (2010)  
Librarian  
A.A., Citrus College; B.S., California State Polytechnic University, Pomona; MLIS, San Jose State University

Grauso, Lynda (1999)  
Licensed Vocational Nursing  
A.A., Pasadena City College; B.S.N., University of Phoenix; M.H.A., University of La Verne

Green, Martin (2005)  
Music  
B.M.U., Brigham Young University; M.A., California State University

Green, Paula (2005)  
Director of Communications  
B.A., Pitzer College; M.A., Michigan State University

Business  
B.S., State University of New York, Binghamton; J.D., Washington University

Guebert, Toby (1996)  
Foreign Language  
B.A., M.A., University of Illinois

Gunderson, Mark (2000)  
Reading  
B.A., University of Maryland; M.S., Johns Hopkins University

Gunstream, Marilyn E. (1976)  
Kinesiology  
B.A., California State University Los Angeles; M.A., Azusa Pacific University

Gutierrez, Jesus (2008)  
Mathematics  
B.S., University of California, Los Angeles; M.S., California State University, Los Angeles
Guttman, Ken (1991)
Psychology
B.S., University of California, Los Angeles; M.S., California State University, Los Angeles

Guzman, Jennifer (2015)
Nursing
A.S., Citrus College; BSN, Mount St. Mary’s College; MSN, Mount St. Mary’s College

Hadsell, Cliff (2004)
Emergency Medical Technician
B.S., University of La Verne; M.P.A., California State University, Long Beach; Ph.D., University of Nebraska, Lincoln

Hahn, Shelly (1999)
Child Development
B.A., California State Polytechnic University, Pomona; M.A., California State University, Los Angeles

Han, June (2007)
Biology
B.S., M.S., University of California, San Diego; M.A., Ph.D., University of California, Los Angeles

Hao, Lan (2006)
Director of Institutional Research
B.A., Tsinghua University; M.E., Ph.D., University of Southern California

Hartman, Steven (1987)
Adapted Physical Education
B.S., M.S., Brigham Young University

Hathaway, George (1998)
Earth Sciences
B.S., San Diego State University; Ph.D., University of California, Los Angeles

Hays, Dorothy (2000)
Counseling
B.A., California State University, Los Angeles; M.A., Pacific Oaks College

Cosmetology
A.A., East Los Angeles College

Herrera, Rafael (2007)
Counseling
A.A., Mt. San Antonio College; B.A., California State University, Fullerton; M.S., University of La Verne

Hester, Dana (1998)
Dean of Social and Behavioral Sciences, and Distance Education
B.S., University of Pittsburgh; M.S., University of Houston; Ed.D., California State University, Fullerton

Hillman, Michael (1997)
Ceramics
B.A., M.A., California State University, Long Beach

Hoehne, William (2000)
Music
B.M.E., University of North Texas; M.M., University of Miami

Hogan, Gina (2005)
English
B.S., M.S., M.A., California State Polytechnic University, Pomona; Ed.D., University of La Verne

Hsin, Anson (2014)
Biology
B.S., University of California, San Diego; M.S., California State University, Los Angeles; Online Teaching Certification, Fresno Pacific University

Iverson, Robert (2008)
Director of Purchasing & Warehouse
B.A., California State University, San Bernardino

Jackson, Matt (2001)
Art
B.S., California State University, Dominguez Hills; M.A., M.F.A., California State University, Fullerton

James, Rhoda (1995)
Business
B.S.Ed., Chicago State University; M.A., California State University, Los Angeles; Ed.D., University of La Verne

Johnson, Sandra (1990)
Art
A.A., Pasadena City College

Kaisler, Denise (2004)
Astronomy
B.Sc., University of Western Ontario; M.Sc., McMaster University; M.S., Ph.D., University of California, Los Angeles

Kang, Eun Suk (2015)
English
B.A., Wellesley College; M.A., University of Akron

Kary, David (1999)
Astronomy
B.S., University of British Columbia; Ph.D., State University of New York at Stony Brook

Kim, Andrew (2004)
Behavioral Sciences
B.S., University of California, San Diego; M.A., Ph.D., University of California, Los Angeles

Kondo, Arnold (1997)
Biological Sciences
B.S., University of California, Davis; M.S., University of California, Riverside

Korn, Dennis (1991)
Automotive Technology
A.S., Chaffey College; B.V.E., M.A., California State University, San Bernardino

Lancaster, James (2000)
Dean of Curriculum, Career, Technical and Continuing Education
A.S., Cerritos College; B.V.E., California State University, Long Beach; M.A., California State University, Los Angeles; Ed.D., California State University, Fullerton
Langford, Bruce (1997)  
Music  
B.M., California Institute of the Arts; M.M., Southwestern Theological School of Music

Lawrence, Patricia (1991)  
Reading  
A.A., San Bernardino Valley College; B.A., M.A., California State University, Los Angeles

Lee, Samuel (2002)  
Dean of Language Arts & Enrollment Management  
B.A., California State University, Fresno; M.S., University of Southern California; Ed.D., University of La Verne

Liskey, Renee (2014)  
Dance  
A.A., Citrus College; B.A., California State University, Fullerton; M.A., California State University, Dominguez Hills

Longyear, Alicia (2006)  
Counseling  
B.A., University of Redlands; M.S., University of La Verne; Certificate in Sport Counseling, University of La Verne

Low, Joyce (1999)  
Mathematics  
B.S., M.A., University of Alabama; M.S., University of Southern California

Lubisch, Senya (2004)  
History  
B.A., M.A., Ph.D., University of California, Riverside

McBurney, Robin (1997)  
Counseling  
A.A., Eckerd College; B.A., University of California, Santa Cruz; M.S., California State University, Los Angeles

McClain, James (1986)  
Dean of Mathematics, Business & Health Sciences  
B.S.M.E., Northern Arizona University; M.Ed., M.S.C.S., Azusa Pacific University

McDonald, Martha (2004)  
Dean of Students  
B.A., M.A., Chapman University; Ed.D., California State University, Fullerton

McGarry, Anna (1999)  
Spanish  
B.A., M.A., University of California, Davis; M.A., California State University, Sacramento

McLeod, Jennifer (2006)  
Disabled Student Programs and Services Coordinator  
B.A., Southern California College/Vanguard University; M.S., California School of Professional Psychology/Alliant International University, San Diego

McMillan, Gordon (2015)  
Recording Technology  
A.S., SAE Institute; B.S., M.S., Full Sail University

Medrano, Esmeralda (2006)  
Mathematics  
B.S., University of California, Los Angeles, M.S., California State University, Los Angeles; Ed.D., California State University, Fullerton

Miles, Terrence (1998)  
Physical Science  
B.S., California State University, Northridge; M.A., University of California, Santa Barbara

Miller-Thayer, Jennifer (2015)  
Anthropology  
AA., Pasadena City College; B.A., California State University, Los Angeles; M.A., California State University, Los Angeles; Ph.D., University of California, Riverside

Morrish, Maria (2010)  
Cosmetology  
License, Royal Hair Institute Barbering College; Instructor Training, Pasadena City College; A.S., Citrus College; B.A., University of San Diego

Munoz, Gino (2007)  
Music  
A.A., Citrus College; B.A., M.M., Azusa Pacific University

Mustain, James (2001)  
Computer Science & Information Systems  
B.A., University of California, Los Angeles; M.S., University of Southern California; M.B.A., California State University, Long Beach

Nguyenh, Rick (2000)  
Mathematics  
B.S., California State University, Fullerton; M.S., California State University, San Bernardino

Odegaard, Eric (2012)  
English  
B.A., California State University, Fullerton; M.A. Claremont Graduate University

Odrich, Steve (1990)  
Mathematics  
A.A., Los Angeles Valley College; B.A., M.S., California State University, Northridge; M.S., California State University, Los Angeles

O’Hara, Stephen (2000)  
Recording Arts Technology

O’Neil, Margaret (1990)  
Journalism  
B.A., St. Mary’s College; M.A., Creighton University

Over, Lucinda (1995)  
Dean of Counseling  
B.A., M.A., Azusa Pacific University; Ed.D. University of La Verne

Overly, David (1991)  
English  
B.A., University of So. Florida; M.A., University of Southern California; Ph.D., Union Institute and University

Paek, Hyeyi (1991)  
Mathematics  
B.A., University of California, Los Angeles; M.S., California State University, Northridge
Paredes, Natalie (2005)  
Counseling  
B.S., California State University, Fullerton; M.S., California State University, Los Angeles

Superintendent/President  
A.A., Hostos Community College; B.S., M.A., New York University; M.A., Ph.D., Fielding Graduate University

Peters, Gerhard (2007)  
Political Science  
A.B., Georgetown University; M.A., University of San Diego; M.A., C. Phil., University of California, Santa Barbara

Plug, Michelle (2006)  
Articulation Officer  
B.A., CSU Fullerton; M.S., University of La Verne

Pohl, Claudia (1999)  
Dental Assisting  
A.S., Chaffey College; B.A., California State University, San Bernardino

Administration of Justice  
B.A., Sonoma State University; M.A., California State University, San Bernardino

Dean of Natural & Physical Sciences and Library Services  
B.S., California State Polytechnic University, Pomona; M.A., University of California, Riverside; Ed.D., California State University, Fullerton

Rachford, Mary Ann (1997)  
Multi-Media  
A.A., Pasadena City College; B.A., M.A., California State University, Los Angeles; Ed.D., Azusa Pacific University

Ramos, Gloria (2004)  
Physical Sciences  
B.S., M.S., Florida International University

Richard, Levi (2001)  
Business  
B.A., M.B.A., Azusa Pacific University; DBA, Alliant International University

Riderer, Lucia (2005)  
Physics  
B.S., Babes Bolya University; M.A., California State University, San Bernardino; Ed.D., Brandman University

Ritchaca, Elisabeth (2015)  
History  
B.A., Walla Walla College; M.A., Purdue University; Ph.D., University of California, Davis

Rivadeneyra, Justina (2001)  
Counseling  
B.A., M.A., California State University, San Bernardino

Ross, Glen (1994)  
Political Science  
B.A., University of Utah; M.A., Brigham Young University

Rubio, Mariano (2012)  
Automotive Technology  
A.S., Citrus College

Rudd, Rebecca (2006)  
English  
A.A., Orange Coast College; B.A., M.A., California State University San Bernardino

Ryba, David (1995)  
Physical Science  
B.S., Harvey Mudd College; Ph.D., University of California, Santa Barbara

Saldana, Rudy (1997)  
Philosophy  
A.A., Mt. San Antonio College; B.A., California State University, Fullerton; M.A., Claremont Graduate School

Salwak, Dale F. (1973)  
English  
B.A., Purdue University; M.A., Ph.D., University of Southern California

Sammis, Robert (2008)  
Director of Human Resources and District Chief Negotiator  
B.A., California State University, Long Beach; J.D., Glendale University College of Law

Sanchez, Raul (2010)  
Counseling  
B.A., California State University, Sacramento; M.S., University of La Verne

Scott, Christopher (1997)  
Mathematics  
B.S., M.S., University of California, Los Angeles

Sequeira, Gerald (2012)  
Dean of Admissions and Financial Aid  
B.S., J.D., University of California, Los Angeles

Shaw, Nickawanna (2006)  
Kinesiology  
B.A., Mount Holyoke College; M.S., Smith College

Shimokawa, Kristie-Ann (2006)  
Counseling  
B.A., University of Hawaii at Manoa; M.S., California State University, Los Angeles

Shrope, Douglas (1994)  
Music  
B.A., California State University, Los Angeles

Silva, Andrew (2012)  
Kinesiology  
B.A., M.S., California Polytechnic University, San Luis Obispo

Counseling  
A.A., Pasadena City College; B.A., University of California, Irvine; M.S., California State University, Northridge

Skalicky, James (1988)  
Psychology  
B.S., M.A., Loyola University; Ph.D. Kansas State University

Slack, Robert (1987)  
Dean of Fine and Performing Arts  
A.A., Solano College; B.A., California State University, Chico; M.M., Indiana University

Smith, Marianne (2012)  
Director, STEM Grants  
B.A., Prescott College; M.A., Chapman University; Ph.D., University of California, Riverside
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<td>Smolin, Robert</td>
<td>Business</td>
<td>B.A., California State University, Fullerton; M.B.A., California State University, Long Beach</td>
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<td>Solheim, Bruce</td>
<td>History</td>
<td>B.A., Campbell University; M.A., Pacific Lutheran University; Ph.D., Bowling Green State University</td>
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<td>Solis, Roberto</td>
<td>Computer Science &amp; Information Systems</td>
<td>A.S., National Institute of Technology; B.S., California State University, Los Angeles; M.S., Azusa Pacific University</td>
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<td>Spor, Arvid</td>
<td>Vice President of Academic Affairs/Interim Vice President of Student Services</td>
<td>B.S., Oregon State University; M.S., California State University, Long Beach; Ed.D., University of Southern California</td>
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<td>Styles, Christine</td>
<td>Economics</td>
<td>B.A., San Diego State University; M.A., Ohio State University</td>
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<td>Sullivan, Nora L.</td>
<td>Biology</td>
<td>B.A., Amherst College; MPhil, University of Cambridge; Ph.D., Harvard University</td>
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<td>Swan, Alfie</td>
<td>Mathematics</td>
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<td>Swatek, Cheryl</td>
<td>Kinesiology</td>
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<td>Mathematics</td>
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<td>Telesca, Lisa</td>
<td>English</td>
<td>B.A., M.A., Loyola Marymount University</td>
</tr>
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<td>Thomas, Carol</td>
<td>Director of Financial Aid</td>
<td>A.A., University of Maryland; B.S., University of Phoenix; M.A., National University</td>
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<td>Mathematics</td>
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<td>Van Citters, Beverly E.</td>
<td>Reading</td>
<td>B.S., M.Ed., Penn State University; Ph.D., University of Pittsburgh</td>
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<td>Van Horn, Tasha</td>
<td>Language Arts/Speech</td>
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<td>Dance</td>
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<td>Counseling</td>
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<td>Villegas, Laura</td>
<td>Counseling</td>
<td>A.A., Citrus College; B.A., California State University, Los Angeles; M.A., University of Redlands</td>
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<td>Villeneuve, Anna</td>
<td>English</td>
<td>B.A., M.A., Humboldt State University</td>
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<td>Villeneuve, Theresa</td>
<td>Journalism</td>
<td>B.A., University of California, Santa Barbara; M.A., University of Colorado</td>
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<td>Volonte, Daniel</td>
<td>Theatre Arts</td>
<td>A.A., Citrus College; B.A., M.F.A., California State University, Fullerton</td>
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<td>Waddington, Brian</td>
<td>History</td>
<td>B.A., University of California, Berkeley; M.A., San Francisco State University</td>
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<td>Sociology</td>
<td>A.A., Fullerton College; B.A., M.A., California State University, Fullerton</td>
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<td>Welz, Linda</td>
<td>Chief Information Services Officer</td>
<td>B.S., Bowling Green State University; M.S., University of South Carolina</td>
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<td>White, Gailynn</td>
<td>Sociology</td>
<td>B.A., M.A., Arizona State University; Ph.D., Capella University</td>
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<td>Mathematics</td>
<td>B.A., M.A., California State University, Fullerton</td>
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<td>Wise, Jody</td>
<td>Dean of Kinesiology/Health/Athletics</td>
<td>B.A., University of Nebraska, Kearney; M.S., University of Arizona</td>
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<td>Wong, Julie</td>
<td>Licensed Vocational Nursing</td>
<td>C.C.R.N, Amer. Assoc. of Critical Care Nurses; B.S., California State University, Long Beach</td>
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<td>Woolum, James</td>
<td>Administration of Justice</td>
<td>A.A., Mt. San Antonio College; B.S., California State University, Los Angeles; M.P.A., University of Southern California</td>
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</table>
Wurst, Clifton (1992)  
Adapted Physical Education and Aquatics  
B.A., University of Dubuque;  
M.A., Azusa Pacific University

Yee, Flora (2015)  
Counseling  
B.A., University of California, Los Angeles; M.A., California State University, Northridge

Yee, Stephanie (2008)  
Counseling  
B.A., University of California, Los Angeles; M.S., California State University, Northridge

Zawahreh, Louie (2015)  
Economics  
B.A., M.A., California State Polytechnic University, Pomona

Zhuang, Ying (1999)  
Mathematics  
B.S., Guizhou Institute of Technology; M.S., Jiangsu Institute of Technology; M.S., Oklahoma State University
Faculty and Administrators Emeriti

ABAS, AUDREY (2012)
DSP&S Counselor

ALVARADO, BERTHA (1994)
Cosmetology

ANDERSON, FRANK D. (1987)
Physical Education

ANDRUS, GEORGEANN (1996)
Biological Sciences

ANDRUS, PATRICIA (1989)
Nursing

BAGGETT, PAT J. (2002)
Business

BAKHIT, KATHY (2012)
Economics

BARNEY, PATRICIA (1998)
Associate Dean of Letters

BARTHEL, BARTON (1997)
Dean of Faculty

BARTON, EUGENE (1994)
Physics/Engineering

BASONE, NELLIE (1994)
Cosmetology

BEAN, ELIZABETH E. (1967)
Zoology

BILLUPS, ROBERT E. (2000)
Mathematics

BOHATCH, GENE (2010)
Director of International Trade Center

BOLLINGER, BEN D. (2005)
Dean of Fine and Performing Arts

BOQUIREN, Connie (2015)
Nursing

BOWMAN, GAL EN (1984)
Counseling

BRADLEY, BETTY L. (1969)
Dental Assisting

BRATT, GEORGE (1988)
Mechanical Technology

Dean of Counseling

BROOKS, ERVALYN (2012)
Director of Cosmetology

BUKOWSKI, MARY (1999)
Cosmetology

BULLOCK, ROBERT S. (2001)
Art

BURNETT, GARY A. (2001)
Physical Education

BUSTIN, P. ELAINE (1987)
Medical Assisting

CAIN, PATRICK T. (2001)
Counseling

CAMPBELL, WARREN (1992)
Social Sciences

CARLSON, FREDERICK (1998)
Speech, Drama

CARLSON, GEORGE (2002)
Astronomy

CARR, DARRELL (2013)
Photography

CARVER, SALLY A. (2012)
Cosmetology

CASEY, DAVID (2012)
Mathematics

CASSEY, JOHN (2002)
Social Science

CHANDLER, DONALD (1988)
Cosmetology

CLARK, REGINALD (2005)
English

Associate Dean of Physical Education Health and Athletics

CLARK, CLARA (1995)
Vocational Nursing

CLINE, GENA B. (1972)
College Nurse

COLLATO, FRANCES (2001)
Director of Foundation and Grants

COLLETT, WILLIAM (1983)
Cosmetology

COLLINS, MARYLYN (2006)
Director of Health Occupations

COLVILLE, L. HOLLY (2012)
Spanish

CONKLIN, AUGUST (1981)
Biological Science

CONNOR, EDWARD (1989)
Physical Education

CORNELL, WILLIAM (2009)
Diesel Technology

COX, MELANIE (2003)
Dean of Admissions and Financial Aid

COX, THOMAS C. (2005)
Automotive Technology

CULBERTSON, PATRICK (2008)
English as a Second Language

CUMMINGS, SHULING (2011)
Mathematics

CUNNINGHAM, MAIA (2014)
Social Sciences

DESIDERIO, ANTHONY (1994)
Music

DIAMOND, HELEN (1987)
Business

DIAZ, JOSEPH (1984)
Counseling

DIMIT, CAROL J. (2004)
Dental Assisting

DOLL, JUDY (1999)
Dental Assisting

DOWYER, JOHN (1995)
Counseling

EBERSOLD, LEO (1959)
Adult Education, Principal

EDWARDS, NEIL (2002)
Physical Education

EDWARDS, ROY G. (1987)
Mechanical Technology

EMERICK, SYLVIA (1983)
Business

ENDICOTT, HATTIE W. (1975)
Cosmetology

ENG, MARYLYN (2011)
Counseling

ERICKSON, EDITH (2000)
Foreign Languages

EVANS, ROBERT (2009)
Philosophy

FIsher, Charles (2003)
Cosmetology

FRENCH, UNA M. (1959)
Modern Languages

GALVAñ, ALEX (2015)
Music

GARBY, HELEN M. (1981)
English

GASS, ADNEY J. R. (1987)
Art

CITRUS COLLEGE CATALOG 2014 • 2015
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Years</th>
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<tr>
<td>Gerfen, Thomas W.</td>
<td>Interim Dean CSIS</td>
<td>(2006)</td>
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<td>Gorelick, Glenn A.</td>
<td>Biological Sciences</td>
<td>(2007)</td>
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<td>Foreign Language</td>
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<td>Physical Education</td>
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<td>Gregg, Judy</td>
<td>Human Development</td>
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<td>Guiflauke, Gordon</td>
<td>Mathematics</td>
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<td>Gulberg, Glendon R.</td>
<td>Vice President of Instruction</td>
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<td>Halnic, Van</td>
<td>Biological Sciences</td>
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<td>Halcrow, Katherine</td>
<td>Librarian</td>
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<td>Hallett, Robert</td>
<td>Art</td>
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<td>Hamilton, B. Jeanne</td>
<td>Vice President of Student Services</td>
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<td>Handy, Ross</td>
<td>Vice President/Assistant to President</td>
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<td>Counselor/Financial Aid Director</td>
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<td>Reading</td>
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<td>Superintendent/President</td>
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<td>Language Arts</td>
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<td>Hayden, Floyd S.</td>
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<td>Director of Child Development Center</td>
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<td>Business</td>
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<td>Kinesiology</td>
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<td>Mepcurio, Blas</td>
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MERCURIO, VINCE (2014)  Counseling
MEYERS, BILLY (1986)  Automotive Technology
MILLER, KENT (2004)  Physics
MILLER, ROBERT (1983)  Chemistry
MIER, LEO E. (1987)  Mechanical Technology
MOORE, ELANIE (2010)  Art
MORRIS, MILDRED B. (1956)  Business
MORRISON, JOANNE (2011)  Mathematics
MURPHY, JOANNE (1996)  Business
NEWBY, BARBARA (2005)  Interim Director, Child Development Center
NEWELL, JERRY (2006)  Psychology
NUGENT, JAMES R. (1968)  Mechanical Technology
PERRY, CAROLYN (2015)  Human Development
PETERSON, DAVE (2002)  Physical Education
PRAY, BEVERLY (2002)  College Nurse
PRIBBLE, GENE (2003)  Business
PURDUM, MARGARET (1950)  Dean of Women, Language
RALLS, WILLIAM (2003)  Physical Education
RAMOS, CAROLYN (1990)  Art
RAMPOLDI, NELLY (1991)  Foreign Language
RAWSON, JAN (1990)  Language Arts
RENAGHAN, MAUREEN (2015)  Director of Health Sciences
REYNOLDS, R.E. (Mack) (1967)  Coordinator of Distributive Education
RIDEAY, GEORGE (2003)  Behavioral Sciences
RINGLAND, GEORGE V. (1971)  Language Arts
ROLLIN, ARNOLD (2007)  Dean of Students
ROMERO, ISAAC J. (1994)  Executive Vice President of Instruction
ROY, JOHN (1983)  Drafting
RUGELEY, BARBARA (2010)  Librarian
SANDHAGEN, ROBERT (2002)  Cosmetology
SARCHETT, EVELYN (1988)  School Nurse
SCHAUDT, JOLYNN (1988)  Music
SCHNEIDER, DAVID (2005)  Interim Director of Computer Center
SCHOTT, HENRY A. (1953)  Industrial Technology, Coach
SCHREIBER, WILLIAM (2003)  Economics
SHANNON, JAMES (2013)  Psychology
SHARPSTEEN, MILDRED (1989)  Library
SHI REY, KEITH (1998)  Philosophy and Political Science
SMALL, MICHELLE C. (2003)  Director of Publications and Student Recruitment
SMITH, BARBARA (1993)  Counseling
SMITH, GRANT L. (1972)  Vice President, Asst. Supt. Business
SMITH, JAMES (1953)  Psychology
SPAUN, JACK (2003)  Behavioral Science
STEPHENS, JUNE (2012)  Executive Director of Development and External Relations
STEVENS, MARSCHALL (1996)  Biological Sciences
STONER, BRUCE (2015)  Electronics
STURGES, DAVID (1958)  Biology/Life Science
SUNDSTRAND, LYNDON (1994)  Associate Dean of Instruction
SWOPE, LAURA P. (1956)  Art
TAYLOR, EUGENE (1992)  Political Science
TAYLOR, ROGER (1994)  Foreign Languages
TEFFT, THOMAS (2000)  Dept. Chair Art/Social Sciences
TELLENBACH, ERIC (1999)  Associate Dean Mathematics & Computer Science
THOMAS, JAMES C. (1978)  Electronics
THOMAS, LEO (1985)  Political Science
TAYLOR, EUGENE (1992)  Political Science
TAYLOR, ROGER (1994)  Foreign Languages
TEFFT, THOMAS (2000)  Dept. Chair Art/Social Sciences
TELLENBACH, ERIC (1999)  Associate Dean Mathematics & Computer Science
THOMAS, JAMES C. (1978)  Electronics
THOMPSON, JOHN (2009)  Dean of Library
THOMPSON, MYRTLE (1992)  Health Occupations
THROSSELL, JOY (1988)  Cosmetology
TRENT, DEE (1994)  Geology and Physical Geography
TRONAAS, EDWARD (1993)  Executive Vice President of Instruction
TUCKER, CONNIE (2015)
   English as a Second Language

ULRICH, WILLIAM (1990)
   Language Arts

VANIMAN, GLENN G. (1967)
   Superintendent/President

VAUGEOS, FRED (2001)
   Director of Facilities and Support Services

VIERA, MICHAEL J. (2008)
   Superintendent/President

VINCENT, THEODORE J. (1975)
   Astronomy

WALDORF, EUGENE H. (1983)
   Physical Science

WATERS, H. P. (1985)
   Handicapped Enabler/Dean of Student Activities

WATKINS, D. JOAN (1991)
   Vocational Nursing

WHITE, JOAN E. (1981)
   English and Philosophy

WILLIAMS, JAMES D. (2005)
   Interim Vice President of Instruction

WILSON, HAMILTON (1989)
   Cosmetology

WOOD, JACK (2011)
   Language Arts

WISDOM, ALINE CROWLEY (1979)
   Librarian

WOODWARD, DIANE (2008)
   Fine Arts/Dance

YOUNG, OLGA (2000)
   Counseling

ZAHAREK, JAMES (2011)
   Administration of Justice

ZAREMBINSKI, MILADA I. (1974)
   Foreign Language

ZAVIDOWSKY, BERNARD (1988)
   Language Arts

   Superintendent/President
Definitions of Terms

**Application for Admission**—An online form on which the student enters identifying information and requests admittance to a specific semester or session. An application must be filed and processed before registration is allowed.

**ASCC Sticker**—Membership sticker of the Associated Students of Citrus College purchased each semester.

**Associate Degree (A.A. or A.S.)**—A degree (associate in arts or associate in science) granted by a community college which recognizes satisfactory completion of an organized program of study consisting of at least 60 to 64 semester units.

**Bachelor’s Degree (B.A., A.B., or B.S.)**—A degree granted by a four-year college or university which recognizes a student’s satisfactory completion of an organized program of study consisting of at least 120 to 130 semester units.

**Certificate of Achievement**—A certification granted by a community college that recognizes satisfactory completion of an organized program of study in occupational fields.

**Certificate of Competency**—A certification granted by a community college that recognizes the satisfactory completion of an approved sequence of noncredit courses in a recognized career field articulated with degree-applicable coursework, completion of an associates degree, or transfer to a baccalaureate institution.

**Certificate of Completion**—A certification granted by a community college which recognizes the satisfactory completion of an approved sequence of noncredit courses that lead to improved employability or job opportunity.

**Class Section**—One offering of a particular course at a particular time and location. At Citrus College each section has a course reference number (CRN) which indicates the class meeting time.

**College of Completion**—A Citrus College initiative that provides the academic resources and services students need for associate degree and certificate completion, transfer, and career preparation.

**Community College**—A two-year college offering a wide range of programs of study, many determined by local community need.

**Community Education**—Community Education offers lifelong personal and professional development learning opportunities to members of the community. Classes are moderately-priced and are offered as workshops, seminars, and activities.

**Counseling**—Guidance provided by professional counselors in collegiate, vocational, social and personal matters.

**Course**—A particular portion of a subject selected for study. A course is identified by a subject title and course number; for example: ACCT 101.

**Course of Study**—A group of courses planned to lead to competence in a particular field of study and the associate degree.

**Course Title**—A phrase descriptive of the course content; for example, the course title of ACCT 101 is “Financial Accounting.”

**Credit by Examination**—Course and/or unit credit granted for demonstrated proficiency in a given area.

**Credit/ No-Credit**—Completion of a course with credit granted but no grade.

**Deficiency**—Grade Point Deficiency: whenever a student’s grade point average is less than 2.0; Subject Deficiency: whenever a student lacks a course or courses required for admission, graduation or transfer.

**CRN Number**—A course reference number assigned to each course section to differentiate the section by class meeting, day, and time.

**Department**—A division of the college that offers instruction in a particular branch of study, or an office that provides student services or administrative support.

**Electives**—Courses which a student may choose that are not required for a particular major program or general education requirements.

**Enrollment**—The process where students select classes by section number to reserve a seat in the class and be placed on the class roster.

**Enrollment Priority**—The order of registration appointments issued to students. For more information, see the Board of Trustees Administrative Policy 5055, which can be found on the college website.

**Families**—A group of courses that provide similar educational experiences. Citrus College students are permitted four “experiences” within any given course family.

**General Education Requirements**—(also called Breadth Requirements). A specific group of courses selected from several divisions which are required for graduation and are designed to broaden a student’s education.
Grade Points—The numerical value of Citrus College letter grades are: A=4, B=3, C=2, D=1, F=0.

Grade Point Average—A measure of academic achievement used in decisions on probation, graduation and transfer. At Citrus College the G.P.A. is determined by dividing the total degree applicable course grade points by the number of attempted degree applicable course units in which letter grades of A, B, C, D, or F are recorded.

Grade Point Deficiency—Possession of fewer grade points than twice the units attempted.

Lower Division—Courses at the freshman and sophomore level of college.

Major—A subject of college study selected by a student as a field of specialization.

Noncredit Education—Noncredit education provides students with access to a variety of courses to assist them in reaching their personal, academic, and professional goals. Enrollment in noncredit courses is tuition free and continues throughout the school year. While students taking noncredit courses do not earn college credit, enrollment in certain course sequences lead to a noncredit certificate of competency or a noncredit certificate of completion.

Noncredit Progress Indicators—Progress indicators for noncredit courses are assigned as follows: P = pass, SP = satisfactory progress, NP = no pass.

Nonresident—A student who, based on their application responses, is not eligible for California residency.

Pass/ No Pass—Students can choose to be evaluated on a grading basis in courses approved for this option. A student must declare the option by no later than 30% of the term, or the fourth Friday of a full semester course by filling out a Pass/No Pass petition in the Admissions and Records Office.

Placement Test—Tests given prior to admission which are used to assist students in selecting the most appropriate classes.

Prerequisite—A requirement that must be satisfied before enrolling in a particular course, usually a previous course, a test score or the consent of an instructor.

Probation—A trial period in which a student must improve scholastic achievement.

Registration—The process of enrolling in specific class sections.

Resident—A student who, based on their application responses, is eligible for California residency.

Residence Determination Date—The day immediately preceding the opening day of instruction for any semester or session.

Schedule of Classes—A booklet or online web pages used during registration giving the subject title, course number, course title, units, time, instructor and location of all classes offered in a semester.

Semester—One-half of the academic year, usually 16 weeks.

Session—A term that is not a semester, typically less than 16 weeks.

Transcript—An official list of all courses taken by a student at a college or university showing the final grade received for each course.

Transfer—Changing from one collegiate institution to another after having met the requirements for admission to the second institution.

Transfer Courses—Courses for students planning to transfer to a four-year college/university. Courses transferable to the California State University system are indicated by “CSU” and those transferable to the University of California are indicated by “UC” next to the course number in the catalog.

Transferable Units—College units earned through satisfactory completion of courses which have been articulated with four-year institutions.

Units—The amount of college credit earned by satisfactory completion of a specific course taken for one semester. Each unit represents one hour per week of lecture or recitation, or three hours in laboratory or other exercises not requiring outside preparation. In general, two clock hours of preparation outside of class are necessary for each unit of class lecture or recitation in academic subjects.

Units Attempted—Total number of units in the course for which a student has enrolled and has received a grade of A, B, C, D, F, W, C, or NC.
Maps are not to scale. All visitors must display a parking permit available for $5 from the information booth at the main campus entrance and the Automated Pay Stations, located in the S1, S2, S3, S4, S5, S6, S8, and S9 parking lots. Handicapped parking is available in every lot. To use handicapped parking, you must have a DMV placard.
AB 540 Students 16, 26, 30, 58
Absences 39
Academic Calendar 7
Academic Divisions, Departments and Subjects 177
Academic Freedom 282
Academic Honesty 282
Academic Honors 52
Academic Policies and Requirements 39
Academic Records 53
Academic Renewal 53
Academic Symbols and Grades 39
Accounting 132, 187
Accreditation and Affiliations 8
Achievement Awards 52
Add Codes, Misuse of 18
Adaptive PE/Fitness Center 65
Adding and Dropping Classes 39
Administration of Justice 95, 110, 132, 164, 188
Administrative Office Occupations 132
Admissions 15, 25
Admissions, How to Apply 15
Admissions and Records 54
Advanced Placement 46
Alpha Gamma Sigma 52
Alumni 9
Anthropology 164, 190-191
Application for Graduation 81
Aquatic Center 65
Architecture, Architectural Design 133, 191-192
Art 192
Art & Coffee Bar 65
Art—Fine Arts 165
Art Gallery 65
Assessment and Orientation 21-22
Associate Degrees 69, 73
Associate Degrees, Transfer 73, 82
Associated Students of Citrus College (ASCC) 63
Astronomy 165, 197
Athletic Eligibility 50, 282
Athletics Facilities 65
Athletics: The Fighting Owls 54
Attendance Policy 39
Audio Recording Technology 122, 133, 267-268
Auditing Courses 39
Automotive Technology 103, 165, 191-194
Biological Sciences 110
Biology 165, 201-203
Board of Trustees 5
Bookstore 54
Bursar 65
Business 111, 166, 203-205
Business Administration 96
California Residents 16
California State University 82
CalWORKs 55
Campus Center 65
Campus Disturbances 282
Campus Facilities and Learning Resources 65
Campus Safety 55, 286
Cancelled Classes 20
Career/Transfer Center 63
Cashier 55, 65
Catalog Rights 287
Center for Teacher Excellence 55
Ceramics - One Year, Two Year 137
Certificates of Achievement 131
Cheating 282
Chemistry 166, 205-206
Child Development 111, 138, 166, 206-210
Class Schedules 17
Code of Conduct 282
College Level Examination Program 44, 45
College Policies and Rules 282
College Success Center 67
Commercial Dance 140
Communication Studies 96
Communications 164, 211-213
Community Education 162
Community Education 162
Computer Aided Design 141
Computer Generated Imagery 141
Computer Information Systems 210-211
Computer Labs 68
Computer Science and Information Systems 167, 216
Continuing Education 162, 177
Continuing Student 18
Continuous Enrollment 287
Cooperative Education 281
Core Competencies 74
Cosmetology 112, 142, 167, 177, 213-215
Counseling (courses) 169, 208
Counseling & Advisement Center 56
Counseling/Advisement 21, 177
Course Code Directory 178
Course Descriptions Guide 179
Course Repetition 42
Credit by Examination 44-45
Credits, Grades and Academic Status 39
Dance 112, 168, 217-219
Dean's List 40
Definitions of Terms 293
Dental Assisting 112, 146, 168, 219-220
Department Directory 11-14
Digital and Web Design 113, 147
Disability Student Programs & Services (DSP&S) 56, 221
Distance Education (online classes) 19
Drafting, Design Technology 114, 147, 222-223
Driving and Parking 284
Dropping Classes Online 17
Drug Free Policy 282
Early Childhood Education 97
Early Decision Program 15
Earth Science 168, 226-227
Economics 168, 222
Elementary Education 98
Emergency Management and Homeland Security 114, 147, 222-223
Emergency Medical Technician 156, 169
Emerging Theatre Technologies 148
Engine Rebuilding and Machining 156
Engineering 226
English 99, 169, 223-226
English as a Second Language 161, 169, 227-229
English Literature 114
Enrollment Priority 17
<table>
<thead>
<tr>
<th>Section</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty and Administrators</td>
<td>289-295</td>
</tr>
<tr>
<td>Faculty and Administrators Emeriti</td>
<td>296-299</td>
</tr>
<tr>
<td>Families, Course</td>
<td>43-44</td>
</tr>
<tr>
<td>Fee Refund Policy</td>
<td>20, 55</td>
</tr>
<tr>
<td>Fees and Expenses</td>
<td>19</td>
</tr>
<tr>
<td>Finance</td>
<td>156</td>
</tr>
<tr>
<td>Financial Aid</td>
<td>57</td>
</tr>
<tr>
<td>Fine and Performing Arts</td>
<td>66, 177</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>115</td>
</tr>
<tr>
<td>Food Services</td>
<td>62</td>
</tr>
<tr>
<td>Foreign Languages</td>
<td>170, 177</td>
</tr>
<tr>
<td>Forestry, Wildland Resources</td>
<td>153, 170, 229-230</td>
</tr>
<tr>
<td>Foundation</td>
<td>9</td>
</tr>
<tr>
<td>General Education and Graduation Requirements</td>
<td>75</td>
</tr>
<tr>
<td>Geography, Cultural</td>
<td>230</td>
</tr>
<tr>
<td>German</td>
<td>230-231</td>
</tr>
<tr>
<td>Golf Driving Range</td>
<td>66</td>
</tr>
<tr>
<td>Grades</td>
<td>39</td>
</tr>
<tr>
<td>Grades, Minimum Requirements</td>
<td>39</td>
</tr>
<tr>
<td>Grades, Non-Evaluative</td>
<td>40</td>
</tr>
<tr>
<td>Greenscape Maintenance Technology</td>
<td>156</td>
</tr>
<tr>
<td>Grievance Procedures</td>
<td>284</td>
</tr>
<tr>
<td>Hardscape Maintenance Technology</td>
<td>157</td>
</tr>
<tr>
<td>Hazing</td>
<td>284</td>
</tr>
<tr>
<td>Health Center</td>
<td>62</td>
</tr>
<tr>
<td>Health Occupations</td>
<td>231</td>
</tr>
<tr>
<td>Health Sciences</td>
<td>177, 231</td>
</tr>
<tr>
<td>Health Service Fee</td>
<td>19</td>
</tr>
<tr>
<td>Heating and Air Conditioning</td>
<td>186</td>
</tr>
<tr>
<td>Heating, Ventilation and Air Conditioning Technician</td>
<td>160</td>
</tr>
<tr>
<td>High School Students, Classes for</td>
<td>15</td>
</tr>
<tr>
<td>History</td>
<td>100, 170, 231-233</td>
</tr>
<tr>
<td>History (college)</td>
<td>8</td>
</tr>
<tr>
<td>Honor Societies</td>
<td>52</td>
</tr>
<tr>
<td>Honors at Graduation</td>
<td>52</td>
</tr>
<tr>
<td>Honors Program</td>
<td>52</td>
</tr>
<tr>
<td>Home Health Aide</td>
<td>157</td>
</tr>
<tr>
<td>How to Apply</td>
<td>15</td>
</tr>
<tr>
<td>Humanities</td>
<td>170, 233-234</td>
</tr>
<tr>
<td>IGETC 90-93</td>
<td></td>
</tr>
<tr>
<td>In Progress</td>
<td>40</td>
</tr>
<tr>
<td>Incomplete</td>
<td>40</td>
</tr>
<tr>
<td>Infant and Child Development Associate Teacher</td>
<td>157</td>
</tr>
<tr>
<td>Información en Español</td>
<td>25-38</td>
</tr>
<tr>
<td>Information Technology</td>
<td>149, 170, 234</td>
</tr>
<tr>
<td>Institutional Learning Outcomes</td>
<td>164-176</td>
</tr>
<tr>
<td>Institutional Memberships</td>
<td>6</td>
</tr>
<tr>
<td>Instructor Drop</td>
<td>39</td>
</tr>
<tr>
<td>International Baccalaureate (IB)</td>
<td>45</td>
</tr>
<tr>
<td>International Student Admission</td>
<td>15</td>
</tr>
<tr>
<td>International Student Center</td>
<td>63</td>
</tr>
<tr>
<td>Japanese</td>
<td>234-235</td>
</tr>
<tr>
<td>Journalism</td>
<td>102</td>
</tr>
<tr>
<td>Kinesiology (P.E.)</td>
<td>102, 115-116, 171, 177, 235-242</td>
</tr>
<tr>
<td>Language Arts</td>
<td>116-118, 177</td>
</tr>
<tr>
<td>Leadership Class</td>
<td>242</td>
</tr>
<tr>
<td>Learning Center</td>
<td>67</td>
</tr>
<tr>
<td>Liberal Arts</td>
<td>118</td>
</tr>
<tr>
<td>Library Services</td>
<td>67-68</td>
</tr>
<tr>
<td>Linguistics</td>
<td>242</td>
</tr>
<tr>
<td>Literature</td>
<td>150</td>
</tr>
<tr>
<td>Map, Freeway</td>
<td>302</td>
</tr>
<tr>
<td>Map, Street inside back cover</td>
<td>302</td>
</tr>
<tr>
<td>Mathematics</td>
<td>103, 171, 177, 242-244</td>
</tr>
<tr>
<td>Matriculation</td>
<td>21</td>
</tr>
<tr>
<td>Medium and Heavy Truck Service, Diagnosis and Repair Technology</td>
<td>118, 150, 245-246</td>
</tr>
<tr>
<td>Microsoft Office</td>
<td>157</td>
</tr>
<tr>
<td>Military Withdrawal</td>
<td>40</td>
</tr>
<tr>
<td>Mission Objectives</td>
<td>8</td>
</tr>
<tr>
<td>Mission Statement</td>
<td>8</td>
</tr>
<tr>
<td>Motorcycle Technology</td>
<td>245</td>
</tr>
<tr>
<td>Multiple Degrees</td>
<td>82</td>
</tr>
<tr>
<td>Music</td>
<td>119, 172, 246-257</td>
</tr>
<tr>
<td>Natural History</td>
<td>172, 258</td>
</tr>
<tr>
<td>Non-Evaluative Grades</td>
<td>40</td>
</tr>
<tr>
<td>Noncredit Classes</td>
<td>160-162, 180-187</td>
</tr>
<tr>
<td>Noncredit Education</td>
<td>162, 173</td>
</tr>
<tr>
<td>Nondiscrimination Policy</td>
<td>287</td>
</tr>
<tr>
<td>Nonresident Tuition</td>
<td>16</td>
</tr>
<tr>
<td>Nonresidents (AB 540)</td>
<td>16, 26, 30, 58, 90</td>
</tr>
<tr>
<td>Notice of Satisfactory/Unsatisfactory Work</td>
<td>41</td>
</tr>
<tr>
<td>Nurse Assistant</td>
<td>158, 173, 258</td>
</tr>
<tr>
<td>Nursing, Registered</td>
<td>123, 268-269</td>
</tr>
<tr>
<td>Nursing, Vocational</td>
<td>129, 152, 176, 258</td>
</tr>
<tr>
<td>Office Clerk</td>
<td>158</td>
</tr>
<tr>
<td>Office Technology and Computer Applications</td>
<td>173, 259</td>
</tr>
<tr>
<td>Online Degrees</td>
<td>82</td>
</tr>
<tr>
<td>Open Enrollment</td>
<td>287</td>
</tr>
<tr>
<td>Orientation</td>
<td>21-22</td>
</tr>
<tr>
<td>Pass/No Pass Courses</td>
<td>44</td>
</tr>
<tr>
<td>Paying for Classes</td>
<td>17</td>
</tr>
<tr>
<td>Phi Theta Kappa</td>
<td>52</td>
</tr>
<tr>
<td>Philosophy</td>
<td>173, 260</td>
</tr>
<tr>
<td>Photography</td>
<td>120, 151, 174, 260-261</td>
</tr>
<tr>
<td>Physical Education (Kinesiology)</td>
<td>102, 115-116, 171, 177, 235-242</td>
</tr>
<tr>
<td>Physics</td>
<td>104, 174, 261-262</td>
</tr>
<tr>
<td>Plagiarism</td>
<td>282</td>
</tr>
<tr>
<td>Political Science</td>
<td>105, 174, 262-263</td>
</tr>
<tr>
<td>Prerequisites, Co-Requisites, and Recommendations</td>
<td>23</td>
</tr>
<tr>
<td>Pre-Allied Health</td>
<td>121</td>
</tr>
<tr>
<td>Pre-Engineering</td>
<td>121</td>
</tr>
<tr>
<td>President’s List</td>
<td>40</td>
</tr>
<tr>
<td>Probation, Dismissal and Reinstatement</td>
<td>41</td>
</tr>
</tbody>
</table>
Program Changes (Adding and Dropping Classes) 39
Programs of Study 73
Programs of Study Leading to an Associate Degree 73
Programs of Study Leading to a Certificate of Achievement 131
Programs of Study Leading to a Certificate of Completion 160
Programs of Study Leading to a Skill Award 155
Progress Indicators of Noncredit Courses 40
Psi Beta 52
Psychology 106, 175, 263-265
Public Works 122, 175, 265-266
Public Works Maintenance Services 151
Public Works Inspection Supervision and Management 151-153, 158-159

R
Reading 266
Readmission 42
Real Estate 159, 266-267
Recording Technology (Audio) 122, 133, 175, 267-268
Registration 17
Report Delayed 40
Residency Requirement 16

S
Sexual Harassment and Sexual Violence Prevention 284
Skill Awards 155-159
Social and Behavioral Sciences 127, 177
Sociology 107, 175, 270
Spanish 108, 270-271
Speech 176, 272
Standards of Conduct 282
STEM Center 68
Student Activities and Organizations 63
Student Classification 17
Student Employment Services 63
Student Financial Obligations 20
Student Government and Student Affairs 63
Student Representation Fee 19
Student Rights and Privacy Act 287
Student Right-to-Know 288
Student Service Fee 19
Student Services Division 14
Student Success and Support Program 21
Studio Arts 109
Study Abroad Program 68
Substance Abuse Policy 286
Superintendent/President’s Message 5

T
Technical Services 68
Testing Center 67
Theatre Arts 109, 127, 176, 272-278
Theatre Arts - Acting Emphasis 128
Theatre, Emerging Technologies 131, 148-149
Transcripts 16-17, 53
Transfer Policies and Guidelines 89
Tutorial Services 67

U
Unit Limitations 18
Units 39
University of California 89

V
Veterans Benefits 61-62
Veterans Success Center 64
Vision and Values 9
Vocational Nursing 129, 152, 176, 258, 278-280

W
Waitlist 18
Water Technology 129, 153, 176, 280
Wildland Resources, Forestry 153, 170, 229-230
WingSpan 18
Withdrawal, Class 40
Writing Center 67
Writing Competency 154