DEGREES, CERTIFICATES AND TRANSFER PLANNING
ASSOCIATE DEGREES AND CERTIFICATES

Students wishing to receive an associate degree or certificate must complete the Cuesta College Associate Degree Application or Certificate Application in order for the Evaluations Office to perform an official final evaluation of the student’s record for completion of requirements. Students must be within two terms of completing requirements before the application will be accepted, and should consult with a counselor for verification. The applications are available on the Office of Admissions and Records’ website and in the Student Services Center at all campus locations. See “List of Degrees and Certificates”.

Degrees and certificates are awarded two to three months after the completion of the term in which requirements were met. Posting dates reflect the final date of the traditional semester or session in which the requirements were completed.

Degree candidates are encouraged to participate in the Cuesta College Commencement Ceremony which takes place each May on the San Luis Obispo campus. Commencement information is available on the Evaluations Office website or in the Commencement channel in myCuesta.

Catalog Rights

A student who satisfies the following definition of attendance will follow the Cuesta College curriculum for degrees and certificates in effect:

• at the time the student began attendance at a California Community College, California State University, University of California, or other regionally accredited college or university; or
• as outlined in a subsequent Cuesta College catalog

“Attendance” means attendance in at least one semester or two quarters each academic year. A student who misses two consecutive semesters, or three quarters in an academic year, excluding summer school, will lose catalog rights. In that case, the student must follow (1) the Cuesta College catalog that coincides with the student’s date of re-enrollment in a regionally accredited college or university or (2) a subsequent Cuesta College catalog. A total withdrawal in a semester does not constitute a one-semester break in enrollment when “Ws” are posted on the student record. Campus authorities may authorize or require substitutions for discontinued courses in certificate or degree programs.

Residency credit requirements for degree, certificate, GE certification and application of alternative education credit

Residency credit does not refer to whether or not a student is a resident of the State of California.

Residency credit is defined as credits earned while in residence at the campus granting the degree, certificate, general education certification, or application of alternative education credit.

Credit that does not satisfy the residency credit requirement:

• Advanced Placement
• Credit-by-Exam
• Military
• Other alternative education credit

Residency credit required for the awarding of Cuesta College degrees, certificates and general education certifications:

• DEGREES - Minimum of 12 semester credits
• CERTIFICATE OF ACHIEVEMENT - Minimum of two of the required courses
• CERTIFICATE OF SPECIALIZATION - Minimum of one of the required courses
• CSU GENERAL EDUCATION CERTIFICATION - Minimum of one course (at least three semester credits)
• IGETC (Intersegmental General Education Transfer Curriculum) – Minimum of one course (at least three semester credits)

Residency credit required for the application of alternative education credit:

• CREDIT-BY-EXAM – Minimum 12 semester credits with “C” average work
• ADVANCED PLACEMENT – Minimum 12 semester credits
• MILITARY CREDIT - Minimum 12 semester credits of “C” average work

Requirements For the Associate Degree

Graduates from Cuesta College have conferred upon them the degree of Associate in Arts or Associate in Science. Requirements for graduation are prescribed by the Board of Governors of the California Community Colleges and the District Board of Trustees.

Designated Degree Requirements

• 60 semester degree applicable credits overall
  - lower division coursework only (use of upper division credits is subject to appeal)
• 18 credits of Cuesta general education coursework with a minimum overall GPA of 2.00
• Prescribed coursework in a specific major with grades of “C” or better
• Residency
• Health Education
• Diversity
• English Competency
• Math Competency
• 2.00 GPA overall

A.A., Liberal Arts Requirements
• 60 semester transferable credits overall (CSU or UC)
  - lower division coursework only (use of upper division
credit is subject to appeal)
• Completion of the CSU GE with an overall minimum
  GPA of 2.00, or
• Completion of IGETC (minimum grade of “C” required
  in all coursework), or
• Completion of Cuesta AAGE with a minimum overall
  GPA of 2.0
• 18 semester credits of coursework in one of the
  following Areas of Emphasis with grades of “C” or
  better:
  - Arts and Humanities
  - Science
  - Social and Behavioral Sciences

For Depth, two courses must be from a single discipline
For Breadth, at least three disciplines must be selected

A.A. for Transfer and A.S. for Transfer
California Community Colleges offer the Associate
Degrees for Transfer to the CSU. This includes Associate
in Arts (AA-T) and Associate in Science (AS-T) degrees.
These degrees are designed to provide a clear pathway
to a CSU major and baccalaureate degree. California
Community College students who are awarded an AA-T
or AS-T degree are guaranteed admission with junior
standing in the CSU system and given priority admission
consideration to their local CSU campus or to a program
that is deemed similar to their community college major.
This priority does not guarantee admission to specific
majors or campuses.

Students who have been awarded an AA-T or AS-T are
able to complete their remaining requirements for the 120
semester credits baccalaureate degree within 60 semester
or 90 quarter credits.

To view the most current list of Cuesta College Associate
Degrees for Transfer and to find out which CSU campuses
accept each degree, please go to www.adegreewithaguarantee.com. Current and prospective community college students
are encouraged to meet with a counselor to review their
options for transfer and to develop an educational plan
that best meets their goals and needs.

Requirements:
(1) Completion of 60 semester credits or 90 quarter
  credits that are eligible for transfer to the California
  State University, including:
  (A) The California State University General Education
      Breadth Requirements (CSU GE) or the
      Intersegmental General Education Transfer
      Curriculum (IGETC), and
  (B) A minimum of 18 semester credits or 27 quarter
      credits in a major or area of emphasis, as
determined by the community college district.

(2) A minimum overall grade point average of 2.0.

(3) A “C” or better grade in all courses required for the
    major or area of emphasis. External
    exams such as Advanced Placement, etc. are not
    subject to this grade restriction.

Student pursuing the Associate Degree for Transfer are
also required to complete a minimum of 12.0 credits in
residence at Cuesta College.

Consult with the Cuesta College Transfer Center for
mandatory application, evaluation and notification
deadlines.

Important Information for Transfer-bound Students
Earning an associate degree may not guarantee transfer
readiness into a particular CSU or UC campus or major.
Consult with an academic counselor for details and a
thorough evaluation of your transferable credits, grade
point average, and lower division major preparation.

Required Records for Degree Evaluation
Cuesta College incorporates all associate degree
applicable coursework from all regionally accredited
institutions attended, into overall totals for the degree.

Official transcripts are required from all post secondary
institutions attended. Incomplete or missing transcripts
and other records will cause the degree to be denied.

Official documentation is required for Advanced
Placement scores and other sources of alternative
education.

Any foreign credentials must be independently evaluated
and the official independent evaluation submitted to the
Evaluations Office. Academic Credentials Evaluation
Institute, Inc. (ACEI) is the preferred provider for independent
evaluation of foreign credentials (http://www.acei1.com), and a
“comprehensive” evaluation is required.

CUESTA GENERAL EDUCATION
General education is a cohesive pattern of courses in-
tended to serve three purposes: to strengthen students’
essential intellectual skills; to broadly introduce students
to the core concepts and methods of the major disciplines;
and to prepare students to lead enriched lives in our
multicultural society. General education courses are dis-
tinguished from those required for a major or allowed as
freely chosen electives. Courses in the general education
category are “general” in two senses: independently, they
survey the core concepts and methods of the discipline in
which they are included; and they point, where possible,
to the influences and contributions of the discipline to
other disciplines, culture, human history and our quest to
understand our universe.

Through this program, students will acquire the ability to
think and communicate clearly and effectively both orally
and in writing; to use mathematics and other symbolic
systems; to understand the modes of inquiry of the major disciplines; to appreciate the structures and processes of the natural environment; to be aware of other cultures and times; to achieve insights by thinking about ethical and social problems; to understand and appreciate the history of U.S. culture and its governing institutions.

OVERARCHING GENERAL EDUCATION OUTCOMES
Upon completion of the general education course pattern, in addition to the area-specific outcomes, students should be able to:

• identify, explain, and analyze the core concepts and methods of the major discipline in which the course is included;
• identify, explain, and analyze the influences and contributions of the specific discipline to other disciplines, cultures, human history, and our quest to understand the universe.
• organize, integrate, and critically analyze information within the course, using these skills to generate and evaluate alternative perspectives; and
• prepare students to live enriched lives in our multicultural society.

AREA A: PHYSICAL AND LIFE SCIENCES
After successfully completing courses in this category, students will:

• demonstrate understanding of the scientific method and its role in research, analyze problems in a structured way, and develop and employ strategies for solutions using scientific principles.
• demonstrate understanding of the empirical bases for current scientific theories, how those theories develop and change, and how they explain the natural world.
• appreciate the influence of scientific knowledge on the development of civilization.

AREA B: SOCIAL AND BEHAVIORAL STUDIES
After successfully completing courses in this category, students will:

• demonstrate understanding of the theories and be able to employ and evaluate the methods of social science inquiry.
• analyze and critically assess ideas about the individual, social groups, institutions and society, as well as their interrelationships, structure and function.
• use this knowledge to develop a capacity for self-understanding and to understand contemporary issues, conflicts, problems and their origins.

AREA C: ARTS AND HUMANITIES
After successfully completing courses in this category, students will:

• recognize the value of the great works of the human imagination in a broad context and understand their contribution to human culture.
• analyze and appraise cultural/artistic achievements in verbal and/or non-verbal forms.

Since language acquisition is a door to understanding the arts and humanities of other cultures, students who acquire second language skills also fulfill the category C requirement.

AREA D: ENGLISH AND MATH COMPETENCY REQUIREMENT
Competency in reading, written expression, and mathematics must be demonstrated. The reading and written expression competency requirement is satisfied by completing English 201A, or an equivalent college level writing course with a grade of “C” or better, from a regionally accredited institution.

The mathematics competency requirement is satisfied by completing Math 126B or 127, or a higher college level mathematics course, with a grade of “C” or better. Equivalent college level mathematics courses completed at regionally accredited colleges and universities are also acceptable.

(Note: Students who have been in attendance at Cuesta or any regionally accredited institution prior to Fall 2009 should see a Cuesta counselor to establish catalog rights regarding competency requirements.)

AREA D1: COMMUNICATIONS IN ENGLISH
After successfully completing this category, students will be able to:

• read and write effective expository and argumentative prose with a focus on inquiry as well as persuasion.
• read critically in order to comprehend the central ideas and rhetorical techniques in the assigned texts.
• demonstrate an ethical use of various rhetorical techniques in their written work.

AREA D2: ANALYTICAL THINKING
After successfully completing this category, students will be able to:

• construct and analyze statements in a formal symbolic system, and understand the relationship between the symbolic system and its various applications in the real world.
• appreciate the strengths and limitations of the system, its logical structure, and its derivation.

AREA E: AMERICAN INSTITUTIONS
After successfully completing courses in this category, students will:

• demonstrate understanding of the impact of social, political, and economic forces in the historical development of the U.S.
• employ interpretative skills to analyze historical causes and effects.
• demonstrate an enhanced understanding of the interrelationship among the branches of our government over time.
• develop an understanding of U.S. cultural and social diversity, and ethnic, gender, and class conflict.

DIVERSITY REQUIREMENT
After successfully completing the requirement, students will be able to:

• identify, assess, and challenge biased assumptions and behaviors of individuals and societal institutions.
• analyze inter-group relations within categories of identity, such as race, ethnicity, gender, religion, sexual orientation, class, ability, nationality, or age.
• examine struggles of non-dominant groups for power, justice, and access to resources.

HEALTH REQUIREMENT
After successfully completing this requirement, students will be able to apply a breadth and depth of knowledge that is inclusive of all the dimensions of health (e.g., spiritual, environmental, social, mental, emotional, and physical). The scope and content of the health education course work in this requirement provides the student with the knowledge and problem solving skills essential to evaluate health literature, analyze personal health risks and promote lifestyle choices. This preparation empowers the student to make relevant choices applicable to their genetic, environmental, and health risk factors that ultimately optimize mind/body/spirit health over a lifetime.

• Describe and discuss content of the major chronic diseases in the United States.
• Evaluate individual risk factors for chronic diseases from a genetic, environmental, and lifestyle perspective.
• Describe and discuss content about communicable diseases/infections (e.g., STI’s, Hepatitis C) including symptoms and prevention.
• Analyze the influence of environmental and nutritional concepts on food choices.
• Relate diet, exercise, and stress management to prevention of diseases and psychological well being.
• Develop an appropriate physical fitness program that includes cardiovascular conditioning, muscle strength and endurance training, and flexibility.
• Examine the relationship between values and beliefs and mental health. Utilize this relationship to create effective interpersonal communication in relationships, coping, prevention of addictive behaviors and personal safety.
• Analyze and apply spiritual concepts to improve health and wellness.
**GENERAL EDUCATION REQUIREMENTS:**

A. **PHYSICAL AND LIFE SCIENCES:** Complete one course
- Anthropology 201; Astronomy *210; Biology *201A, *204, 205, 206, 212, 213, 216, 220, 221, 222, 224; Chemistry *201A, *210FL, *211; Electronics Technology *213; Geology *210, *211, 212, 220; Nutrition 210, 211; Oceanography *210, Meterology (form OCEN) *212; Physics *205A, *208A; Psychology *202

B. **SOCIAL AND BEHAVIORAL STUDIES:** Complete one course
- Anthropology 202, <203, 225; Criminal Justice 202; Early Childhood Education *201; Economics *201A, 201B; Family Studies 212, <213, 214, <215, 271; Geography 201; History 203A, 203B, 204A, 204B, 207A, 207B, 210, 212, 233, <237, <239, 260; Legal <217; Political Science 201, 202, 204, 205, 206, 209; Psychology *200, *200, *206, *233; Sociology 201A, 201B, <206, <208

C. **ARTS AND HUMANITIES:** Complete one course

D. **COMMUNICATION AND ANALYTICAL THINKING:** Complete one course from D1 and one course from D2

- Competency in reading, written expression, and mathematics must be demonstrated. **The reading and written expression competency requirement is satisfied by completing English 201A, or an equivalent college level writing course with a grade of “C” or better.**

- The mathematics competency requirement is satisfied in one of two ways:
  1. Completing Math 124 or 126B or 127, or a higher college level mathematics course, with a grade of “C” or better, or
  2. Demonstrating proficiency in intermediate algebra by scoring at the appropriate level on the Mathematics Assessment (Accuplacer) Test.

D1: **Communications in English. Complete English *201**


**Note:** Students who satisfy Area D2 with a course from outside of the Math department must also satisfy the Math competency requirement – see above.

E. **AMERICAN INSTITUTIONS:** Complete one course
- History 207A, 207B; Political Science 202 (cannot be double counted for Area B)

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Legend: * Prerequisite required. < Course also meets the Diversity requirement (see back). Underlined courses include a lab.
**GRADUATION REQUIREMENTS:**

**Health Education Requirement:**
After successfully completing this requirement, students will be able to apply a breadth and depth of knowledge that is inclusive of all the dimensions of health, e.g., spiritual, environmental, social, mental and emotional, and physical. The scope and content of the health education course work this requirement provides the student with the knowledge and problem solving skills essential to evaluate health literature, analyze personal health risks and promote lifestyle choices. This preparation empowers the student to make relevant choices applicable to their genetic, environmental, and health risk factors that ultimately optimize mind/body/spirit health over a lifetime.

- Descriptive and discussion content of the major chronic diseases in the United States.
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- Relating diet, exercise, and stress management to prevention of diseases and psychological well being.
- Developing an appropriate physical fitness program that includes cardiovascular conditioning, muscle strength and endurance training, and flexibility.
- Examining the relationship between values and beliefs and mental health. Utilize this relationship to create effective interpersonal communication in relationships, coping, prevention of addictive behaviors and personal safety.
- Analyze and apply spiritual concepts to improve health and wellness.

**Complete one course:** Health Education 202 or 203 or 208 or 210
**Note:** Health Education 203 or 208 will satisfy both the Health Education and the Diversity Requirement.

The following degree or certificate will also satisfy the Health Education Requirement:
A.S., Nursing, Registered; C.A., Nursing, Registered; C.A., Nursing, Registered (30 Credit Option)

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<th>COURSE COMPLETED AT:</th>
<th>COURSE</th>
<th>TERM</th>
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**Diversity Requirement:**
After successfully completing the requirement, students will be able to identify, assess, and challenge biased assumptions and behaviors of individuals and societal institutions; analyze inter-group relations within categories of identity, such as race, ethnicity, gender, religion, sexual orientation, class, ability, nationality, or age; and examine struggles of non-dominant groups for power, justice, and access to resources. **Complete one course:**

Anthropology <203, 220; Business 260; Criminal Justice 224, Early Childhood Education 215; English *<213, *<217, Family Studies <213, <215; Health Education 203, 208; History <237, <239; Legal *<217; Nutrition 222; Psychology <206; Sociology 202, <206, <208; Communication 212.

**Note:** Health Education 203 or 208 will satisfy both the Diversity and the Health Education requirement. The symbol “<” denotes that the course will also satisfy a general education requirement (See page 1).

The following degree or certificate will also satisfy the Diversity Requirement:
A.S., Nursing, Registered; C.A., Nursing, Registered; C.A., Nursing, Registered (30 Credit Option)

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**Are You Ready To Apply for Your Associates Degree?**

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
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<tbody>
<tr>
<td>1. 60 Associate Degree applicable term credits, minimum</td>
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<tr>
<td>2. 18 term credits of General Education, minimum (see page 1)</td>
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<tr>
<td>3. A minimum of 12 credits completed in residence at Cuesta College</td>
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<td>4. A minimum cumulative grade point average of 2.0</td>
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<tr>
<td>5. Math Competency (Area D2, page 1)</td>
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<tr>
<td>6. English Competency (Area D1, page 1)</td>
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<td>7. Health Education Requirement (page 2)</td>
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<tr>
<td>8. Diversity Requirement (page 2)</td>
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<tr>
<td>9. A Designated Degree may be earned by completing a specific course of study. Please consult the Cuesta College catalog.</td>
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<tr>
<td>10. Official transcripts from all postsecondary institutions are on file with the Evaluations Office</td>
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</table>

**Counselor**

**Date**
CAREER AND VOCATIONAL PROGRAMS

In addition to programs that prepare students for University transfer, Cuesta also offers career and technical programs designed to prepare students for immediate employment in a specific technical or vocational area. These programs range in length from one semester to several years to complete, depending on the area of study. The curriculum for these specialized programs is monitored by an advisory committee, which includes business and industry leaders, as well as Cuesta faculty and staff from the specific occupation or profession. Cuesta’s programs are evaluated and reviewed on a regular basis to make certain that the curriculum is kept up to date with current industry and licensing standards, and to ensure that students are receiving the most relevant training and education available for their chosen field.

Cuesta College offers both Associate Degrees and Certificate Programs with career and vocational emphases:

**Associate in Arts and Associate in Science Degrees**
Cuesta offers a variety of Associate in Arts and Associate in Science degrees in Technical and vocational subjects. An Associate Degree requires completion of a minimum of 60 semester credits of degree-applicable course work, to include major related course work, general education, and Cuesta graduation requirements in Health Education and Diversity. A minimum 2.0 overall GPA is required, and all courses required for a major must be earned with “C” grades or better. See the “Associate Degrees and Certificates” section of this catalog for additional information.

**Certificate of Specialization**
A Certificate of Specialization is a course (or group of courses) designed to prepare a student for work in a specific field or profession. Unlike the Associate’s degrees, Certificates of Specialization do not require completion of general education or graduation requirements. Most Certificates of Specialization total 18 semester credits or less. They are awarded to students who have completed the Certificate requirements with a minimum of “C” grade in each course required for the Certificate, who have met Cuesta residency requirements, and who have applied for the Certificate through the Admissions and Records office.

**Certificate of Achievement**
A Certificate of Achievement is a group of courses designed to prepare a student for work in a specific field or profession. Unlike the Associate’s degrees, Certificates of Achievement do not require completion of general education or graduation requirements. Certificates of Achievement must total 18 credits or more, and the completed Certificate is posted to the student’s official transcript. They are awarded to students who have completed the Certificate requirements with a minimum of “C” grade in each course required for the Certificate, who have met Cuesta residency requirements, and who have applied for the Certificate through the Admissions and Records office.

Often students who have obtained employment after earning a Certificate of Achievement or a Certificate of Specialization will return to Cuesta to continue with additional requirements needed to earn an Associate in Arts or an Associate in Science degree. Counselors are available to assist students with this process.

**EVALUATIONS, SUBSTITUTIONS, WAIVERS AND APPEALS**

Degrees and certificates are awarded by the Evaluations Office after a student has applied for the degree or certificate, and after a formal review of the student’s records has been made. Students who are planning to earn a degree or certificate should schedule regular appointments with a counselor to make sure that they are taking the right courses to meet their desired educational goal.

In certain circumstances, students may initiate a Substitution or Waiver petition through Counseling Services to request use of other coursework to meet requirements for one of Cuesta’s degrees or certificates. These substitution and/or course waiver petitions must first be reviewed by a counselor, and then are forwarded to the division office for review and decision by the division chair and instructional dean. If approved, the approval form is scanned to retain a formal record of the decision.

In certain extenuating circumstances, students may submit a “Policy Appeal for Exceeding Circumstances” to the Director of Admissions and Records when they have certain impediments that prevent them from completing all requirements for a degree or certificate, such as all general education course work, or all graduation requirements. The Director of Admissions has final say in the determination about whether to grant this appeal. Contact the Evaluations Office at (805) 546-3141 for further information.

**CREDIT FOR ALTERNATIVE EDUCATION**

Cuesta College affirms that there is merit in awarding college credit for other than the traditional classroom experiences. Therefore, Cuesta College awards credit according to the policies stated below.

**Advanced Placement Examination**
Cuesta College recognizes the completion of College Board Advanced Placement Exams (AP), authorized by the College Entrance Examination Board (CEEB). Credit is awarded based upon the criteria established by the college. Advanced placement scores may be ordered by calling the College Board at (888) 308-0013.

**Credit for Educational Training in the Military**
For currently enrolled students, in good standing, who have completed at least 12 semester credits of “C” average work at Cuesta College, the college may grant up to 12 elective semester credits in accordance with the recommendations of the American Council on Education (ACE) for educational training completed in the military service. Educational work completed through the United States Armed Forces Institute (USAIR) will also be
accepted with no unit maximum. For more information contact the Veterans Resource Center.

Credit by Examination (Challenge of Courses)
Credit by Examination enables students to use their acquired knowledge, abilities and competencies to challenge certain existing courses for credit.

Petitions for Credit by Examination must be submitted to the Admissions and Records Office no later than the Friday of the fourth week of the fall or spring semester or the Friday of the second week of summer session.

These requirements must be met in order to qualify for Credit by Examination:

• The course is listed in the current catalog and is included in the current list of courses that may be challenged (available on the Cuesta website).

• The student has completed all prerequisites for the course.

• The student is duly registered, in good standing, and has completed at least 12 semester credits of “C” average work at Cuesta College. The student may not be on academic probation/dismissal or progress/dismissal.

The following restrictions apply per Cuesta College Board Policy R6400:

• A course may be challenged for a letter grade or on a pass/no pass basis if the course has an either/or grade option code.

• A maximum of 15 semester credits may be challenged.

• A course may not be challenged more than once.

• Credits received through a challenge may not be used to satisfy eligibility requirements for athletics, financial aid or veterans benefits.

• For courses that involve a lab, the examination will include a lab portion, studio portfolio evaluation or a similar demonstration of ability.

• Credits received through challenge may not be used to satisfy residency requirements.

For more information, refer to the “Petition for Credit by Examination” form available in the Admissions and Records Office or on our website.

Independent Studies
The option of Independent Study at Cuesta College provides an opportunity for an in-depth study or practicum experience by an individual student in a selected topic under the direction of an instructor. In order to qualify, a student must be in good standing, must be enrolled in another class in addition to the independent study course, and must have completed the prerequisite and preparatory course work. A student may not earn more than two credits for an independent study course in any term. To initiate independent study, a student should confirm through the Admissions and Records Office eligibility to enroll in an independent study course and should contact the appropriate academic division.

High School Career Education Articulation
Local high school students may receive Cuesta College credit for approved technical and vocational courses, through the San Luis Obispo County Tech Prep Articulation Agreement process. A specialized “Credit by Examination” process allows high school students to challenge the content and/or skill proficiency of specific courses, provided a valid Tech Prep articulation agreement between the student’s high school and Cuesta College is maintained. Each student must fill out a Cuesta College admission application online at www.cccApply.org and a “Permit to Enroll” form, and submit a transcript to the Cuesta College Records Office.

For more information, contact the Tech Prep Office at 805-546-3100 ext 2533.

Credits Not Accepted Toward Degrees/Certificates/Certifications
Continuing Education Units (CEU)
Continuing education courses are designed for personal enrichment or job advancement and are not applicable to degrees or certificates.

Non-Degree Applicable Credits
Non-degree applicable college courses are not applied to degrees or certificates. Degree applicability is determined according to the catalog for the term in which course was taken.

Credits from Non-Accredited Institutions
Cuesta College only accepts course work from regionally accredited institutions.

Upper Division Course Work
Course credit from colleges and universities at the upper division level is not used (certain exceptions apply).

Course Work from Religious-Affiliated Institutions
Course work taken from regionally accredited church or religious-affiliated institutions is accepted as long as the course is not specific to the application of a single doctrine.
TRANSFER TO THE CALIFORNIA STATE UNIVERSITY (CSU) SYSTEM

Cuesta College offers lower division (freshman and sophomore) courses to meet both major preparation and general education requirements for students planning to transfer to the California State University (CSU). Students are advised to check with Cuesta College Counseling Services for detailed information about specific campus, major, and general education requirements.

Minimum requirements for transfer as an upper division student to the CSU

- Complete 60 semester (90 quarter) transferable credits.
- Complete at least 30 semester (45 quarter) credits of general education courses with at least “C” grade or better including:
  - Oral Communication (Area A1 of the CSU GE-Breadth)
  - Written Communications (Area A2 of the CSU GE-Breadth)
  - Critical Thinking (Area A3 of the CSU GE Breadth)
  - Mathematics (Area B4 of the CSU GE-Breadth)
- Attain a grade point average of 2.0 or better (2.40 for non-California residents) in all transferable college units attempted. (Note that a higher GPA is required for most CSU campuses.)
- Stay in good academic standing at the last college or university attended prior to transfer (e.g. eligible to re-enroll at that college or university).

Completion of General Education (CSU GE-Breadth)

The CSU requires completion of 48 lower division credits of general education for graduation, 39 of which may be certified by Cuesta College. Courses taken to fulfill Areas A1, A2, A3, and B4 of the CSU GE pattern must be completed with grades of “C” or better, to meet minimum CSU admission requirements. It is strongly recommended that students complete all or most of their CSU GE as part of their minimum 60 credits required for transfer. Students who complete the CSU GE pattern prior to transfer will not be held to additional lower division GE requirements after transfer. The CSU also accepts the Intersegmental General Education Transfer Curriculum (IGETC) toward fulfillment of lower division general educations.

Prerequisites courses for the major

In order to be best prepared for upper division coursework, students are also advised to complete as much lower division preparation for their major as possible prior to transfer. Depending on the student’s major, some pre-major courses may also be listed as options on the CSU GE pattern, and thus can be double-counted. Major preparation information can also be found on the California statewide articulation website at www.assist.org.

Supplementary admission criteria/impacted majors

In the CSU, an undergraduate major or campus is designated as impacted when it receives more eligible applicants than either the campus or the major can accommodate. In such instances, the CSU campuses have been authorized to use supplemental admission criteria to screen applicants to these majors and/or campuses. Supplemental admission criteria may involve requiring specific course preparation in the major prior to transfer, and/or the attainment of a specific transferable GPA. Students are encouraged to meet with a counselor early to be advised about specific admission and selection requirements for their intended CSU campus.

GENERAL EDUCATION CERTIFICATION

Students must request their CSU GE Certification from Cuesta College by completing an Application for Certification, available in the Admissions and Records Office. (CSU GE certification by Cuesta is not automatic upon completion of the coursework.) To be fully certified, students must complete 9 semester credits in each of areas A, B, C, and D, and 3 semester units in Area E. Courses taken from other institutions will be included in the Certification as long as the course was appropriate for CSU GE placement at the institution at which it was taken. Counselors can assist with the CSU GE placement of courses taken from outside institutions.
### Fall 2013 CSU General Education Requirements

Courses approved for multiple areas may be applied to one GE area only. Meet with a counselor each semester to ensure appropriate placement of courses.

**Updated 3/17/2014**

<table>
<thead>
<tr>
<th>Course</th>
<th>College</th>
<th>Term</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AREA A: ENGLISH LANGUAGE COMMUNICATION AND CRITICAL THINKING:</strong> 9 credits minimum. Choose one course from each area. Area A1, A2 &amp; A3: must be completed prior to transfer; “C” or better grade required.</td>
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<tr>
<td>A2 - Written Communication: ENGL 201A</td>
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<tr>
<td>A3 - Critical Thinking: ENGL 201B, 201C; PHIL 208; COMM 215</td>
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<tr>
<td><strong>AREA B: SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING:</strong> 9 credits minimum, at least one course from B1, B2, and B4. One lab course required. Lecture courses that include a lab are underlined.</td>
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<tr>
<td>B1 - Physical Universe (one course): ASTR 210, CHEM 201A, 201B, 210FL, 211, 212A, 212B; GEOL 210, 211, 212, 220; OCEN 210; PHYS 205A, 205B, 208A, 208B</td>
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<tr>
<td>B2 - Life Forms (one course): ANTH 201, BIO 201A, 201B, 202, 204, 205, 206, 211, 212, 213, 216, 220, 221, 222, 224; PSYC 202 (F07)</td>
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<tr>
<td>B3 - Laboratory Activity (must be taken with or subsequent to corresponding course from B1 or B2): ANTH 201L (F08); ASTR 210L; OCEN 210L; BIO 212L, 222L</td>
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<tr>
<td>B4 - Mathematics/Quantitative Reasoning (one course; must be “C” or better): CIS 241 (F08); MATH 229, 230, 231, 232, 236, 242, 247, 255, 265A, 265B, 283, 287 (F04)</td>
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<tr>
<td><strong>AREA C: ARTS AND HUMANITIES:</strong> 9 credits minimum. Choose one course from C1, one course from C2, and one course from either C1 or C2.</td>
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<tr>
<td>C2 - Humanities: ASL 201 (form. 215A), 202 (form. 215B); ECE 234; ENGL 201B, 205, 206, 212A, 212B, 213, 215, 216, 217, 231, 244A, 244B, 246A, 246B; FR 201, 202, 203, 204; GER 201, 202, 203, 204; HIST 203A, 203B, 204A, 204B, 207A, 207B, 210, 212, 233; PHIL 205, 206, 209, 212, 213; SPAN 201, 202, 203, 204</td>
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<tr>
<td>Required 3rd course can be selected from either C1 or C2</td>
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<tr>
<td><strong>AREA D: SOCIAL SCIENCES:</strong> 9 credits minimum. Choose three courses from at least two disciplines.</td>
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<tr>
<td>D0 - Sociology: SOC 201A, 201B, 202, 204 (F09), 206, 208 (S06)</td>
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<tr>
<td>D1 - Anthropology &amp; Archeology: ANTH 201 (F05-F09 only), 202, 203, 220, 221, 225</td>
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<tr>
<td>D2 - Economics: ECON 201A, 201B</td>
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<tr>
<td>D3 - Ethnic Studies: COMM 212; FMST 213 (S07)</td>
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<tr>
<td>D4 - Gender Studies: FMST 215 (F08); HIST 237 (F07); SOC 208 (S06)</td>
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<td>D5 - Geography: GEOG 201, 202</td>
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<tr>
<td>D7 - Interdisciplinary Social or Behavioral Science: ECE 201 (S06), 202; FMST 202, 212(S07), 214</td>
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<tr>
<td>D8 - Political Science, Government &amp; Legal Institutions: CJ 202 (F09), 228 (F11); LGL 217 (S05); POLS 201, 202, 204, 205, 206, 209</td>
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<tr>
<td>D9 - Psychology: PSYC 201 (S07), 200, 233 (F07)</td>
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<tr>
<td>U.S. History, Constitution &amp; American Ideals (This CSU graduation requirement may be met by completing the following two courses as a part of your course work from Area D above):</td>
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<tr>
<td>1) HIST 207A or 207B, and 2) POLS 202</td>
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<tr>
<td><strong>AREA E: LIFELONG LEARNING &amp; SELF DEVELOPMENT:</strong> 3 credits minimum.</td>
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<tr>
<td>CCS (formerly ACSK) 225; ECE 201 (S06); FMST 212, 215, 216, 218, 220; HEED 202, 203, 206, 208, 210; NUTR 210; PSYC 201, 206; SOC 206 (F08-Su13)</td>
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</tr>
</tbody>
</table>

Previous Colleges: 1. ____________ 2. ____________ 3. ____________

Student: ____________ SID#: ____________ CSU Campus: ____________

Counselor: ____________ Date: ____________ Major: ____________
23 CSU CAMPUS

<table>
<thead>
<tr>
<th>Bakersfield</th>
<th>California Maritime Academy</th>
<th>Cal Poly SLO</th>
<th>Cal Poly Pomona</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channel Islands</td>
<td>Chico</td>
<td>Dominguez Hills</td>
<td>East Bay</td>
</tr>
<tr>
<td>Fresno</td>
<td>Fullerton</td>
<td>Humboldt</td>
<td>East Bay</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>Monterey Bay</td>
<td>Northridge</td>
<td>Long Beach</td>
</tr>
<tr>
<td>San Bernardino</td>
<td>San Diego</td>
<td>San Francisco</td>
<td>Sacramento</td>
</tr>
<tr>
<td>San Marcos</td>
<td>Sonoma</td>
<td>Stanislaus</td>
<td>San Jose</td>
</tr>
</tbody>
</table>

CSU TRANSFER CREDITS REQUIRED

39 lower division General Education + 21 program preparation (required by many campuses) or CSU transferable electives
60 transferable credits (minimum)

Please Note:

- You may transfer up to a total of 70 credits from Community College.
- 9 credits of upper division General Education will be required at the CSU.
- Areas A1, A2, A3, and B4 are considered the “Golden Four” and must be completed with grades of “C” or higher. Note: High credit programs (i.e. Engineering) may not need Area A3 “Critical Thinking” prior to transfer.

CAMPUS REQUIREMENTS

- Foreign Language: Some campuses require foreign language for graduation. Certain programs may have a foreign language requirement. For specific requirements, consult university catalogs or a counselor.
- Multicultural/Ethnic Studies: Most CSU campuses have such a course requirement for graduation. Some campuses require that the course be upper division.
- Additional campus specific requirements: See counselor.

GENERAL EDUCATION CERTIFICATION

Certification refers to official notification from a community college that a transfer student has completed courses fulfilling CSU lower-division general education requirements. Certification will ensure that a CSU campus accepts all your courses in the areas in which the coursework is certified.

Full Certification is given to students who have completed all sections of the CSU General Education Pattern. Students must satisfactorily complete 39 lower-division credits, distributed as follows:

AREA A: 9 CREDITS: One course from each group: A1, A2, A3

AREA B: 9 CREDITS: One course from B1, B2 and B4. One lab course required: B3 lab must be taken with or subsequent to corresponding course from B1 or B2

AREA C: 9 CREDITS: Three courses to include at least one course from Arts (C1) and one course from Humanities (C2)

AREA D: 9 CREDITS: Three courses must be selected from at least two different disciplines

AREA E: 3 CREDITS: One course Subject Area (partial) Certification can be granted for one or more completed area (A-E), as outlined above, if all sections of the CSU General Education Pattern have not been completed.

US History, Constitution and American Ideals Certification- All campuses require students to complete college-level coursework in US History, American and California Government. Most campuses allow double-counting of courses taken to meet G.E. and the American Institutions requirements for applicants who are either fully or partially certified. This requirement is met by completing History 207A or 207B and Political Science 202.

You must request certification from Admissions and Records Office during your last term at Cuesta.
TRANSFER TO THE UNIVERSITY OF CALIFORNIA (UC) SYSTEM

The University of California gives highest priority to transfer students from the California Community Colleges. Cuesta College students can become eligible for admission to the UC by meeting specific course and GPA requirements, and by meeting with a counselor early to be apprised of specific campus and major requirements and selection criteria.

The requirements described below represent the minimum academic standards students must attain to be eligible for admission to the University. Meeting the minimum requirements does not guarantee admission to the University, nor does it guarantee admission to a particular campus. Admission to the campus and program of choice often requires students to meet more demanding standards. See a counselor for more detail and information.

At UC, a transfer student is defined as a student who has enrolled in at least one regular term (fall, winter, or spring) at a college or university following the summer of his/her high school graduation. Students who meet the university’s definition of a transfer student are held to junior-level transfer admission requirements and not freshmen admission requirements. A student who attends college in a summer term immediately following his/her high school graduation, and/or who has completed college work while in high school is still considered a freshman applicant.

Junior-level Transfer Admission Requirements

The vast majority of transfer students come to the University at the junior level from California community colleges. In order to meet minimum UC eligibility criteria as a junior level transfer, students must fulfill the following criteria:

1. Complete 60 semester (90 quarter) units of UC transferable college credit with a GPA of at least 2.40 (higher for non-residents).

2. Complete either the Intersegmental General Education Transfer Curricula (IGETC) pattern, or, complete the following 7-course pattern, earning a grade of C or better in each course:
   - Two UC transferable college courses (3 semester or 4-5 quarter units each) in English composition.
   - One UC 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: the arts and humanities, the social and behavioral sciences, and the physical and biological sciences.

Note that meeting minimum UC admission criteria is often not sufficient preparation to gain admission to most UC campuses.

Preparation for Transfer

1. Meet minimum eligibility for admission (see Admission Requirements listed above).

2. Prepare for upper-division study in the chosen major: transfer students should select a major and take courses that meet major requirements. In most cases, completing at least a portion of the major requirements is essential to gain admission to the major. Major preparation information is available at www.assist.org and Cuesta counselors are available to assist students in how to best prepare for their major.

3. Complete an appropriate set of general education course requirements and electives, as time allows.

Transfer students have two options for fulfilling GE preparation for the UC, depending on the campus and major selected:

- IGETC – accepted by both the UC and CSU, is most helpful for students who know they want to transfer but have not yet decided upon a particular institution, campus or major.

or

- Campus-specific general education requirements of the college or campus they plan to attend. (see assist.org)

The UC Campuses are:

UC Berkeley
UC Davis
UC Irvine
UC Merced
UC Los Angeles
UC Riverside
UC San Diego
UC San Francisco (graduate only)
UC Santa Barbara
UC Santa Cruz

IGETC Certification

For the University of California (UC) and California State University (CSU)

Completion of the Intersegmental General Education Transfer Curriculum (IGETC) with certification will permit a student to transfer to a UC or CSU campus without the need, after transfer, to take additional lower-division general education courses to satisfy campus-specific general education requirements. All courses taken for IGETC must be completed with a grade of “C” or better (or score of 3 or higher on AP tests). Grades of “C-” are not acceptable. The IGETC Certification must be
requested by the student; applications are available in the Admissions and Records office. Pre-major courses may also count towards IGETC; see a counselor for details. Cuesta College will “pass along” courses taken from other colleges and university into the IGETC pattern, as appropriate and based on the policies outlined in the IGETC Standards.

The IGETC is well suited for students planning majors in the Arts, Humanities, or Social and Behavioral Sciences. Students who intend to transfer into majors that require extensive lower-division major preparation, such as engineering and many of the physical and natural sciences, should concentrate on completing the pre-major prerequisites ahead of completion of the IGETC, to be most competitive for admission into these majors.
### Fall 2013 Intersegmental General Education Transfer Curriculum (IGETC)

Courses listed in more than one area may be counted in one area only.

<table>
<thead>
<tr>
<th>AREA 1 – ENGLISH COMMUNICATION</th>
<th>COURSE</th>
<th>COLLEGE</th>
<th>TERM</th>
<th>CREDITS</th>
<th>IP</th>
</tr>
</thead>
<tbody>
<tr>
<td>For CSU - 3 courses required; one each from Group A, B and C. For UC - 2 courses required; one from Group A and one from Group B.</td>
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<tr>
<td>1A: English Composition, 1 course, 3 sem/4 qtr credits minimum - English *201A</td>
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<tr>
<td>1B: Critical Thinking - English Composition, 1 course, 3 sem/4 qtr credits minimum - English *201B (F10) or *201C</td>
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<tr>
<td>1C: Oral Communication, (CSU requirement only) 1 course, 3 sem/4 qtr credits minimum - Communication 201A</td>
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</table>

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<tr>
<th>AREA 2 – MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING</th>
<th>COURSE</th>
<th>COLLEGE</th>
<th>TERM</th>
<th>CREDITS</th>
<th>IP</th>
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<tbody>
<tr>
<td>1 course, 3 sem/4 qtr credits minimum</td>
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<tr>
<td>Note:</td>
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<thead>
<tr>
<th>AREA 3 – ARTS AND HUMANITIES: Complete at least 3 courses in the Humanities and the third course from either area. 9 sem/12 qtr credits minimum</th>
<th>COURSE</th>
<th>COLLEGE</th>
<th>TERM</th>
<th>CREDITS</th>
<th>IP</th>
</tr>
</thead>
<tbody>
<tr>
<td>3A: Arts</td>
<td>200, 203, 204, 205, 206</td>
<td>Drama 205</td>
<td>*206, *207, 218</td>
<td>Music 235, 237, 238</td>
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<tr>
<td>One additional course from the 3A Arts or 3B Humanities</td>
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<tr>
<th>AREA 4 – SOCIAL AND BEHAVIORAL SCIENCES: Complete at least 3 courses from at least 2 different disciplines. 9 sem/12 qtr credits minimum</th>
<th>COURSE</th>
<th>COLLEGE</th>
<th>TERM</th>
<th>CREDITS</th>
<th>IP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology 201 (S07-F09), 202, 203, 220, 221, 225; Criminal Justice 202 (F09); Early Childhood Education 201(S06), Early Childhood Education/Family Studies 202 (F06); Economics *201A, 201B; Family Studies 212 (S07), 213 (S07); Geography 201 (F07), 202; History 203A, 203B, 204A, 204B, 207A, 207B, 210, 212, 233, 237, 239, 260; Legal 217 (F05); Political Science 201, 202, 204, 205, 206, 209; Psychology 201, *200, 206, 233 (F07); Sociology 201A, 201B, 202, 204 (F09), 206, 208 (S06)</td>
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<tr>
<th>AREA 5 – PHYSICAL AND BIOLOGICAL SCIENCES: Complete at least 2 courses, (a) one physical and (b) one biological science course. At least one course must include a laboratory. Lecture courses that include a lab are underlined. 7 sem/9 qtr credits minimum.</th>
<th>COURSE</th>
<th>COLLEGE</th>
<th>TERM</th>
<th>CREDITS</th>
<th>IP</th>
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<tbody>
<tr>
<td>(Your combined courses must total at least 7 semester credits.)</td>
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<tr>
<td>5A: Physical Sciences: Astronomy *210, *210L; Chemistry *201A, *201B, **210FL, **211, **212A, **212B; Geology *210, *211, 212, 220; Oceanography *210 (F07), *210L (F07); Meteorology (form. OCEN) *212; Physics **205A, **205B, **206A, **207A</td>
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<tr>
<td>5B: Biological Sciences: Anthropology 201 (F08); *201L (F08); Biology *201A, *201B, *202, *204, 205, 206, *211, 212, *214L, 213, 216, 220, *231, 222, *224L, 224, Psychology *202 (F07)</td>
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<thead>
<tr>
<th>AREA 6A LANGUAGES OTHER THAN ENGLISH (UC requirement only)</th>
<th>COURSE</th>
<th>COLLEGE</th>
<th>TERM</th>
<th>CREDITS</th>
<th>IP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proficiency equivalent to two years of high school study in one language. There are various ways to satisfy this area, including completing two years of high school study in one language with &quot;C-&quot; grades or higher, or, completing one of the courses listed below. It is your responsibility to provide high school transcripts. See a counselor for additional details.</td>
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<tr>
<td>French *202, German *202, Spanish *202, American Sign Language *202</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>CSU GRADUATION REQUIREMENT IN &quot;U.S. HISTORY, CONSTITUTION AND AMERICAN IDEALS&quot;</th>
<th>COURSE</th>
<th>COLLEGE</th>
<th>TERM</th>
<th>CREDITS</th>
<th>IP</th>
</tr>
</thead>
<tbody>
<tr>
<td>This CSU graduation requirement may be met by completing the following two courses as part of your course work from Area 3 and/or 4 above:</td>
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<tr>
<td>1) History 207A or 207B and 2) Political Science 202</td>
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</table>

Legend: * Prerequisite required. Laboratory courses are underlined. *Indicates that UC transfer credit limits apply.
Consult a counselor for details.

Official Transcripts on file: Unofficial Evaluation:

Previous Colleges: 1. ___________________________ 2. ___________________________ 3. ___________________________

Student SID# UC Campus

Counselor Date Major

1/9/2014
General Education Requirements And IGETC (Intersegmental General Education Transfer Curriculum)

General Education courses are part of the requirements for a university degree. These are courses which are designed to give you an exposure to all major academic disciplines—natural sciences, physical sciences, social sciences, humanities, and the fine arts. Together, general education coursework and major course work make up a baccalaureate degree. Each campus within the California State University (CSU) and the University of California (UC) has its own unique general education pattern. However, students preparing to transfer to a CSU or UC often do not know which system they will attend. In order to facilitate the transfer of students from the California Community Colleges to the CSU and UC system, the IGETC was developed in 1991.

By completing the IGETC at a California Community College, you can transfer to a CSU or UC campus without the need, after transfer, to take additional lower-division, general education courses. The IGETC is most useful for students who know that they want to transfer to a CSU or UC, but who have not yet decided upon a particular system, campus, or major. It is also generally the most appropriate pattern for students who are choosing majors in the humanities, arts, or social sciences, as these majors generally have fewer lower division major requirements than majors in the sciences and engineering.

**Is the IGETC required to gain admission to a CSU or UC?**

No, the IGETC is not an admissions requirement to either system. The IGETC is a way for you to complete a general education pattern that is accepted by the CSU and UC, prior to transfer. Completing the IGETC does not guarantee admission to a particular campus or major. However, for certain colleges and majors, completion of IGETC can improve your chances of admission as a transfer student. Your counselor can help you determine if completing the IGETC is a good idea for you.

**The Importance of Major Preparation**

Major preparation requirements specify the courses you must take to prepare for advanced (upper division) study in your particular major. Completion of major preparation should generally take precedence over completion of general education. Because transfer applicants are evaluated for admission, in part, on the basis of their performance in major preparation coursework, it is important that you investigate the requirements for your intended major as soon as possible. If your major requires mathematics and science, it is especially important that you complete those prerequisites before you transfer.

Your counselor can advise you about the specific major preparation requirements for the program you select, or you may research them in the General Catalog of the campus you plan to attend. You can visit the public articulation website at www.assist.org for information about major preparation.

You should begin coursework in your major as soon as you have selected one. Lack of pre-major work may affect your eligibility for your major, particularly, if there are many applicants and a limited number of spaces.

**When is IGETC not a good choice?**

Students who intend to transfer into a major that requires extensive lower division preparation, such as majors in the sciences or engineering may not be well served by completing IGETC.

**Do all CSU and UC campuses accept the IGETC?**

While all CSU’s and most UC’s do accept IGETC, there are some majors on certain UC campuses which do not accept IGETC. A list of those Colleges can be found at: www.universityofcalifornia.edu/educators/counselors/admininfo/transfer/advising/igetc.html

**Is there a GPA requirement for IGETC coursework?**

All courses applied to IGETC must be completed with a grade of “C” or higher. A grade of “Credit” or “Pass” may also be used if the community college’s policy states that it is equivalent to a grade of C or better.

**Can Advanced Placement Test Scores be applied to the IGETC?**

Yes, an acceptable score (“3” or higher) on the Advanced Placement (AP) test can be applied to the IGETC. See a counselor for details.

**Must all IGETC coursework be completed at the same college?**

No, courses taken at more than one community college, or from an accredited college outside of the California Community College system, may be used on IGETC, as determined by a counselor.

**Can a course be used to satisfy more than one IGETC subject area?**

No, courses may only be used once even if they are listed in more than one subject area.

**Can a course be used both for IGETC and to satisfy a major prerequisite?**

Yes. The University will allow courses to count toward both the IGETC and to also satisfy a lower division major requirement.

**Does the IGETC have to be fully completed prior to transfer?**

It is strongly recommended that you complete IGETC in its entirety prior to transfer. Completion of IGETC (or a campus-specific general education pattern) may be a part of the transfer admission process for certain campuses and majors. However, a Partial Certification of the IGETC is allowed. Partial certification is defined as completing all but two (2) courses on the IGETC pattern. (Keep in mind that in general, the English and Math portions of IGETC must be completed to meet minimum admission requirements to the University so a student who is missing these courses may not be eligible to a CSU or UC). It is your responsibility to request a partial certification from your community college. Your community college will send the Partial IGETC Certification to the UC or CSU that you will be attending. The CSU or UC will then instruct you as to how you can complete the remaining courses on your IGETC.

**Who certifies that a student has completed the IGETC?**

It is your responsibility to request an IGETC certification from your community college. Students who have completed coursework at more than one California Community College should have their coursework certified by the last college attended for a regular term (fall or spring) prior to transfer. You can request certification from a community college that is not your last school of attendance, but it is up to the discretion of that community college to certify.
DEGREES AND CERTIFICATE INFORMATION SHEETS

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PROGRAM STUDENT LEARNING OUTCOMES

Program Student Learning Outcomes can be accessed on the Cuesta CurricUNET site at the following link (click on the PLO icon under Actions):

Link to student learning outcomes
ANTHROPOLOGY

DEGREES, CERTIFICATES & AWARDS

- Associate in Arts for Transfer (A.A.-T)

DESCRIPTION
Anthropology is an academic discipline that observes, describes and explains human biological and cultural variation. An undergraduate major in Anthropology prepares students for (a) graduate studies and an academic career in Anthropology, (b) graduate studies and an academic career in related disciplines within the humanities and life sciences (e.g., religious studies, biology, sociology), and (c) careers in Applied Anthropology (Contract Archaeology, Medical Anthropology, Forensic Anthropology).

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

CAREER OPPORTUNITIES
- Contract Archaeology
- Medical Anthropology
- Forensic Anthropology

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

TRANSFER PREPARATION
Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:
www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine
www.CSUMentor.org – CSU System Information

FINANCIAL AID
Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs – grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full- and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information: www.cuesta.edu/student/aboutmoney/finaid
ASSOCIATE DEGREE FOR TRANSFER PROGRAM

Anthropology – A.A.-T Degree for Transfer

Required Core (10 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 201</td>
<td>Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 201L</td>
<td>Physical Anthropology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ANTH 202</td>
<td>Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 203</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

List A: Select one course (3 credits) from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 221</td>
<td>North American Indians</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 225</td>
<td>Contemporary Cultures of the World</td>
<td>3</td>
</tr>
</tbody>
</table>

List B: Select one courses (3-4 credits) from the following:

Any course not selected from List A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 236</td>
<td>Introduction to Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 247</td>
<td>Introduction to Statistics</td>
<td>(4)</td>
</tr>
<tr>
<td>PSYC 200</td>
<td>Research Methods for the Behavioral and Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 210</td>
<td>Physical Geology</td>
<td>4</td>
</tr>
</tbody>
</table>

List C: Select one course (3 credits) from the following:

Any course not selected from Lists A or B

(Note: Only one statistics course may be used in the major)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 201A</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 208</td>
<td>Introduction to Women's Studies</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 209</td>
<td>World Religions</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 220</td>
<td>California Indians</td>
<td>3</td>
</tr>
</tbody>
</table>

“P” (Pass) grade is not acceptable for major coursework in the Associate Degrees for Transfer.

In addition to major preparation coursework listed above, completion of the CSU GE or IGETC pattern is mandatory.

Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.
ARCHITECTURAL TECHNOLOGY

DEGREES, CERTIFICATES & AWARDS

• Associate in Science (A.S.)

DESCRIPTION

The purpose of the Architecture Program is to prepare students to:
1. Employ fundamental principles of architectural design theory and practice.
2. Advance/articulate completed course work towards university transfer into 4 or 5 year Architecture programs or related majors.
3. Utilize the principles of design communication as they apply to architectural project delivery.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:

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FINANCIAL AID

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www.cuesta.edu/student/aboutmoney/finaid

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link:

http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

Gainful Employment:

Architectural Intern
Architectural Drafter/CAD Technician
Technical and production support within architecture or engineering firms
Kitchen and Bath Designers
Homebuilders and Commercial Contractors
Building product or component manufacturers
Government Agencies (plan checker and project inspector)

CAREER OPPORTUNITIES
**ARCHITECTURAL TECHNOLOGY**

**ASSOCIATE DEGREE PROGRAM**

**Architectural Technology – A.S. Degree**

**Required Courses (35 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 201</td>
<td>Introduction to Architecture and Environmental Design</td>
<td>2</td>
</tr>
<tr>
<td>ARCH 232</td>
<td>Architectural Design &amp; Presentation Computer Graphics</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 221</td>
<td>Design and Visual Communication I</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 222</td>
<td>Design and Visual Communication II</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 244</td>
<td>Architectural Environment Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 230</td>
<td>Architectural Computer Aided Drafting and Design</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 242</td>
<td>Introduction to Architectural Practice</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 251</td>
<td>Architectural Design Fundamentals I</td>
<td>5</td>
</tr>
<tr>
<td>ARCH 252</td>
<td>Architectural Design Fundamentals II</td>
<td>5</td>
</tr>
<tr>
<td>CTCH 250</td>
<td>Introduction to Construction</td>
<td>3</td>
</tr>
</tbody>
</table>

**Plus 9 units from the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 202</td>
<td>Introduction to Architecture and Environmental Design</td>
<td>1.5</td>
</tr>
<tr>
<td>ARCH 205</td>
<td>Architectural Modelmaking</td>
<td>2</td>
</tr>
<tr>
<td>ARCH 245</td>
<td>Introduction to Green Building and LEED Green Associate Credential Preparation</td>
<td>1.5</td>
</tr>
<tr>
<td>ARCH 254</td>
<td>Advanced Architectural Graphic Communication</td>
<td>2</td>
</tr>
<tr>
<td>ENGR 125</td>
<td>AutoCAD</td>
<td>1</td>
</tr>
<tr>
<td>or ENGR 226</td>
<td>Engineering Drawing I</td>
<td>(4)</td>
</tr>
<tr>
<td>ENGR 227</td>
<td>Engineering Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 250</td>
<td>Engineering Statics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 252A</td>
<td>Strength of Materials I</td>
<td>2</td>
</tr>
<tr>
<td>and ENGR 252B</td>
<td>Strength of Materials II</td>
<td>2</td>
</tr>
</tbody>
</table>
ART

DEGREES, CERTIFICATES & AWARDS

- Associate in Arts for Transfer (A.A.-T)
- Associate in Arts (A.A.)
- Certificate of Specialization (C.S.)

DESCRIPTION

Fine Arts is an academic division focusing on the skills and knowledge for the studio practice and study of art. Art History, the study of visual art from prehistory to the present, places emphasis on the visual language, historical context, cultural values, and technological changes in art and architecture. Professional practices emphasize the curatorial, business, and installation aspects of exhibiting art. Studio courses include drawing, painting, photography, graphic design, printmaking, sculpture and ceramics. An emphasis on portfolio presentation, exhibition preparedness, and a progression of intermediate courses prepares students for vocational opportunities and successful junior level transfer to universities, colleges, and art academies.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

CAREER OPPORTUNITIES

- Artist
- Art Consultant
- Art Critic
- Art Dealer
- Art Historian
- Art Teacher
- Art Therapist
- Arts Administrator
- Ceramicist
- Gallery Director
- Graphic Designer
- Jewelry Designer
- Metalsmith
- Muralist
- Painter
- Photographer
- Printmaker
- Restoration Artist
- Sculptor
- Set painter

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

TRANSFER PREPARATION

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Transfer Resources:

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www.CSUMENTOR.org – CSU System Information

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## ASSOCIATE DEGREE FOR TRANSFER PROGRAM

### Art History – A.A.-T Degree for Transfer

**Required Courses (12 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 203</td>
<td>Survey of Western Art History: Prehistory through the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>ART 204</td>
<td>Survey of Western Art History: Renaissance to Contemporary</td>
<td>3</td>
</tr>
<tr>
<td>ART 206</td>
<td>Survey of Western Art History: Non-Western Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 221</td>
<td>Drawing I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Studio Electives (select one): 3 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 220</td>
<td>Fundamentals of 2-D Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 223</td>
<td>Figure Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 244</td>
<td>Photography I</td>
<td>3</td>
</tr>
<tr>
<td>ART 249</td>
<td>Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 253</td>
<td>Digital Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 270</td>
<td>Fundamentals of 3-D Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 271</td>
<td>Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>ART 280</td>
<td>Introduction to Ceramics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Other Art History Courses: 3 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 205</td>
<td>Survey of Western Art History: Modernism through Contemporary</td>
<td>3</td>
</tr>
</tbody>
</table>

"P" (Pass) grade is not acceptable for major coursework in the Associate Degrees for Transfer. In addition to major preparation course work listed above, completion of the CSU GE or IGETC pattern is mandatory. Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.

## ASSOCIATE DEGREE FOR TRANSFER PROGRAM

### Studio Arts – A.A.-T Degree for Transfer

**Required Courses (12 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 204</td>
<td>Survey of Western Art History: Renaissance to Contemporary</td>
<td>3</td>
</tr>
<tr>
<td>ART 220</td>
<td>Fundamentals of 2-D Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 270</td>
<td>Fundamentals of 3-D Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 221</td>
<td>Drawing I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one Art History course (3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 203</td>
<td>Survey of Western Art History: Prehistory through the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>ART 205</td>
<td>Survey of Western Art History: Modernism through Contemporary</td>
<td>3</td>
</tr>
<tr>
<td>ART 206</td>
<td>Survey of Western Art History: Non-Western Art</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select three Studio courses (9 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 222</td>
<td>Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>or ART 223</td>
<td>Figure Drawing I</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 224</td>
<td>Figure Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>ART 229</td>
<td>Color</td>
<td>3</td>
</tr>
<tr>
<td>ART 230</td>
<td>Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ART 231</td>
<td>Painting II</td>
<td>3</td>
</tr>
<tr>
<td>ART 240</td>
<td>Introduction to Print Media</td>
<td>3</td>
</tr>
<tr>
<td>ART 244</td>
<td>Photography I</td>
<td>3</td>
</tr>
<tr>
<td>or ART 249</td>
<td>Digital Photography</td>
<td>(3)</td>
</tr>
</tbody>
</table>

Continued on page 84
ASSOCIATE DEGREE FOR TRANSFER PROGRAM

Studio Arts – A.A.-T Degree for Transfer (continued from page 83)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 253</td>
<td>Digital Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 271</td>
<td>Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>ART 274A</td>
<td>Sculpture Foundry I</td>
<td>3</td>
</tr>
<tr>
<td>ART 280</td>
<td>Introduction to Ceramics</td>
<td>3</td>
</tr>
<tr>
<td>ART 281A</td>
<td>Ceramics: Wheel-Throwing I</td>
<td>3</td>
</tr>
</tbody>
</table>

“P” (Pass) grade is not acceptable for major coursework in the Associate Degrees for Transfer. In addition to major preparation course work listed above, completion of the CSU GE or IGETC pattern is mandatory. Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.

ASSOCIATE DEGREE PROGRAM

Art History and Professional Practices – A.A. Degree
A total of 24 credits are required for the degree. A minimum of 9 credits in Art must be earned at Cuesta College.

Required Courses (18 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 202</td>
<td>Introduction to Museum Practices</td>
<td>3</td>
</tr>
<tr>
<td>ART 203</td>
<td>Survey of Art History: Prehistory Through the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>ART 204</td>
<td>Survey of Art History: Renaissance to Contemporary</td>
<td>3</td>
</tr>
<tr>
<td>ART 205</td>
<td>Survey of Art History: Modernism Through Contemporary</td>
<td>3</td>
</tr>
<tr>
<td>ART 206</td>
<td>Survey of Art History: Non-Western Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 295</td>
<td>Art Gallery</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 6 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 220</td>
<td>Fundamentals of 2-D Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 221</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 249</td>
<td>Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 256</td>
<td>Adobe Photoshop: Art, Design, and Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 259</td>
<td>Adobe Dreamweaver: Art, Design, and Interactivity</td>
<td>3</td>
</tr>
<tr>
<td>ART 268</td>
<td>Typography</td>
<td>3</td>
</tr>
<tr>
<td>ART 270</td>
<td>Fundamentals of 3-D Design</td>
<td>3</td>
</tr>
</tbody>
</table>

ASSOCIATE DEGREE PROGRAM

Art Studio – A.A. Degree
A total of 24 credits are required for the degree. A minimum of 12 credits in Art must be earned at Cuesta College.

Required Courses (15 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 203</td>
<td>Survey of Western Art History: Prehistory Through the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>or ART 204</td>
<td>Survey of Western Art History: Renaissance to Contemporary</td>
<td>(3)</td>
</tr>
<tr>
<td>or ART 205</td>
<td>Survey of Art History: Modernism Through Contemporary</td>
<td>(3)</td>
</tr>
<tr>
<td>or ART 206</td>
<td>Survey of Art History: Non-Western Art</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 220</td>
<td>Fundamentals of 2-D Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 270</td>
<td>Fundamentals of 3-D Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 221</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 293</td>
<td>Portfolio Presentation</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 9 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 202</td>
<td>Introduction to Museum Practices</td>
<td>3</td>
</tr>
<tr>
<td>ART 222</td>
<td>Drawing II</td>
<td>3</td>
</tr>
</tbody>
</table>

Continued on page 85
## ASSOCIATE DEGREE PROGRAM

### Art Studio – A.A. Degree (continued from page 84)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 223</td>
<td>Figure Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 224</td>
<td>Figure Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>ART 229</td>
<td>Color</td>
<td>3</td>
</tr>
<tr>
<td>ART 230</td>
<td>Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ART 231</td>
<td>Painting II</td>
<td>3</td>
</tr>
<tr>
<td>ART 232</td>
<td>Watercolor I</td>
<td>2-3</td>
</tr>
<tr>
<td>ART 233</td>
<td>Watercolor II</td>
<td>2-3</td>
</tr>
<tr>
<td>ART 234</td>
<td>Figure Painting</td>
<td>2-3</td>
</tr>
<tr>
<td>ART 235</td>
<td>Mural Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 240</td>
<td>Introduction to Print Media</td>
<td>3</td>
</tr>
<tr>
<td>ART 241A</td>
<td>Etching I</td>
<td>3</td>
</tr>
<tr>
<td>ART 243</td>
<td>Book Arts</td>
<td>2-3</td>
</tr>
<tr>
<td>ART 244</td>
<td>Photography I</td>
<td>3</td>
</tr>
<tr>
<td>ART 245</td>
<td>Photography II</td>
<td>3</td>
</tr>
<tr>
<td>ART 249</td>
<td>Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 251</td>
<td>Alternative Photographic Processes</td>
<td>3</td>
</tr>
<tr>
<td>ART 252</td>
<td>Photographic Lighting</td>
<td>3</td>
</tr>
<tr>
<td>ART 253</td>
<td>Digital Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 255</td>
<td>Adobe Illustrator: Art, Design, and Illustration</td>
<td>1-3</td>
</tr>
<tr>
<td>ART 256</td>
<td>Adobe Photoshop: Art, Design, and Photography</td>
<td>1-3</td>
</tr>
<tr>
<td>ART 258</td>
<td>Adobe Indesign: Art, Design, and Interactivity</td>
<td>1-3</td>
</tr>
<tr>
<td>ART 259</td>
<td>Adobe Dreamweaver: Art, Design, and Interactivity</td>
<td>1-3</td>
</tr>
<tr>
<td>ART 265</td>
<td>Adobe Flash: Art, Design, and Animation</td>
<td>3</td>
</tr>
<tr>
<td>ART 266</td>
<td>Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 267</td>
<td>Intermediate Graphic Design</td>
<td>2-3</td>
</tr>
<tr>
<td>ART 268</td>
<td>Typography</td>
<td>3</td>
</tr>
<tr>
<td>ART 271</td>
<td>Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>ART 272</td>
<td>Intermediate Sculpture</td>
<td>2-3</td>
</tr>
<tr>
<td>ART 274A</td>
<td>Sculpture Foundry I</td>
<td>3</td>
</tr>
<tr>
<td>ART 280</td>
<td>Introduction to Ceramics</td>
<td>3</td>
</tr>
<tr>
<td>ART 281A</td>
<td>Ceramics: Wheel-Throwing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 281B</td>
<td>Ceramics: Wheel-Throwing II</td>
<td>3</td>
</tr>
<tr>
<td>ART 282</td>
<td>Ceramics: Hand-Building</td>
<td>3</td>
</tr>
<tr>
<td>ART 283</td>
<td>Ceramic Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>ART 284</td>
<td>Alternative and Primitive Firing Techniques</td>
<td>2-3</td>
</tr>
<tr>
<td></td>
<td>in Ceramics</td>
<td></td>
</tr>
<tr>
<td>ART 295</td>
<td>Art Gallery</td>
<td>3</td>
</tr>
</tbody>
</table>

NOTE: Students who plan to use these courses to transfer into art programs in four year colleges are advised to take the 3 credit courses.

## CERTIFICATE PROGRAM

### Graphics - C.S. Certificate

**Required Courses (18 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 220</td>
<td>Fundamentals of 2-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 221</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 255</td>
<td>Adobe Illustrator: Art, Design, and Illustration</td>
<td>3</td>
</tr>
<tr>
<td>ART 256</td>
<td>Adobe Photoshop: Art, Design, and Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 258</td>
<td>Adobe Indesign: Art, Design, and Photography</td>
<td>3</td>
</tr>
<tr>
<td>or ART 259</td>
<td>Adobe Dreamweaver: Art, Design, and Interactivity</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 266</td>
<td>Graphic Design</td>
<td>3</td>
</tr>
</tbody>
</table>
AUTOMOTIVE TECHNOLOGY

DEGREES, CERTIFICATES & AWARDS

- Associate in Science (A.S.)
- Certificate of Achievement (C.A.)

DESCRIPTION

The Cuesta College Automotive Technology Department (a NATEF Certified Program) has served students, the automotive service industry, and the community for over 40 years with course offerings in 22 specialized areas of concentration. Students enrolled in these courses have the opportunity to expand their knowledge relative to automotive technology and develop entry level skills required for employment in the automotive service industry. Successful completion of course requirements prepares students for the examinations required for voluntary certification as a professional technician offered by the National Institute for Automotive Service Excellence (ASE). The course offerings address the areas of concentration needed by a technician to become certified as a “Master Automobile Technician”, and “Advanced Level Specialist”.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

CAREER OPPORTUNITIES

- Alignment Specialist
- Automotive Engineer
- Brake Specialist
- Electrical Engineer
- Electrical Specialist
- Engine Performance/Drivability Specialist
- General Technician
- Industrial Engineer
- Industrial Technology
- Quick Service Tech
- Service Management
- Service Writer
- Transmission Specialist
- Tune-up Technician

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:

- www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine
- www.CSUMentor.org – CSU System Information

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs – grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full- and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information:

www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link:

http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html
**AUTOMOTIVE TECHNOLOGY**

### ASSOCIATE DEGREE PROGRAM

#### Advanced Engine Performance Technician – A.S. Degree

**Required Courses (36.5 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATCH 109</td>
<td>Introduction to Automotive Computers</td>
<td>2.5</td>
</tr>
<tr>
<td>ATCH 120</td>
<td>Automotive Ignition Systems</td>
<td>2</td>
</tr>
<tr>
<td>ATCH 125</td>
<td>Engine Performance</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 127</td>
<td>Enhanced Clean Air Car Course</td>
<td>1</td>
</tr>
<tr>
<td>ATCH 152</td>
<td>Internal Combustion Engine</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 158</td>
<td>Automotive Electricity and Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 160</td>
<td>Automotive Electrical Accessories</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 164</td>
<td>Basic Area Clean Air Car Course</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 168</td>
<td>Automotive Repair Business</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 187</td>
<td>Automotive Fuel Injection and Turbochargers</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 188</td>
<td>Automotive Heating and Air Conditioning</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 201A</td>
<td>English Composition</td>
<td>4</td>
</tr>
</tbody>
</table>

*Plus choose one course from the following:*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 124</td>
<td>Intermediate College Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 127</td>
<td>Intermediate Algebra</td>
<td>5</td>
</tr>
</tbody>
</table>

*Plus choose one course from the following:*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET 213</td>
<td>Electronics Fundamentals</td>
<td>6</td>
</tr>
<tr>
<td>PSCI 201A</td>
<td>Physical Science: Physics and Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>

*Plus, pass a minimum of two certification tests for the National Institute of Automotive Service Excellence (ASE)*

### ASSOCIATE DEGREE PROGRAM

#### Auto Body Technician – A.S. Degree

**Required Courses (36.5-38.5 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATCH 160</td>
<td>Automotive Electrical Accessories</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 168</td>
<td>Automotive Repair Business</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 170</td>
<td>Auto Body Repair I</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 171</td>
<td>Advanced Auto Body</td>
<td>3</td>
</tr>
<tr>
<td>or ATCH 177</td>
<td>Advanced Auto Painting (3)</td>
<td></td>
</tr>
<tr>
<td>ATCH 175</td>
<td>Automotive Painting</td>
<td>5</td>
</tr>
<tr>
<td>ATCH 284</td>
<td>Braking Systems</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 186</td>
<td>Chassis and Suspension Systems</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 188</td>
<td>Automotive Heating and Air Conditioning</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 109</td>
<td>Introduction to Automotive Computers</td>
<td>2.5</td>
</tr>
<tr>
<td>WELD 270A</td>
<td>Basic Welding</td>
<td>3</td>
</tr>
<tr>
<td>WELD 270C</td>
<td>Welding GMAW &amp; GTAW</td>
<td>3</td>
</tr>
</tbody>
</table>

*Plus, pass a minimum of two certification tests for the National Institute of Automotive Service Excellence (ASE)*

### CERTIFICATE PROGRAM

#### Auto Body Technician - C.A. Certificate

**Required Courses (18 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATCH 160</td>
<td>Automotive Electrical Accessories</td>
<td>4</td>
</tr>
<tr>
<td>or ATCH 158</td>
<td>Automotive Electricity and Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 168</td>
<td>Automotive Repair Business</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 170</td>
<td>Auto Body Repair I</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 175</td>
<td>Automotive Painting</td>
<td>5</td>
</tr>
<tr>
<td>ATCH 186</td>
<td>Chassis and Suspension Systems</td>
<td>3</td>
</tr>
<tr>
<td>or ATCH 188</td>
<td>Automotive Heating and Air Conditioning</td>
<td>3</td>
</tr>
</tbody>
</table>
# AUTOMOTIVE TECHNOLOGY

## ASSOCIATE DEGREE PROGRAM

### Automotive Technician – A.S. Degree

**Required Courses (39.5 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATCH 109</td>
<td>Introduction to Automotive Computers</td>
<td>2.5</td>
</tr>
<tr>
<td>ATCH 152</td>
<td>Internal Combustion Engine</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 153</td>
<td>Engine Overhaul Procedure</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 158</td>
<td>Automotive Electricity and Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 168</td>
<td>Auto Repair Business</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 182</td>
<td>Automatic Transmissions</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 186</td>
<td>Chassis and Suspension Systems</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 188</td>
<td>Automotive Heating and Air Conditioning</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 280</td>
<td>Manual Drivetrains</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 281</td>
<td>Manual Transmissions</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 284</td>
<td>Braking Systems</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 201A</td>
<td>English Composition</td>
<td>4</td>
</tr>
</tbody>
</table>

**Plus choose one course from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 124</td>
<td>Intermediate College Mathematics</td>
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</tr>
<tr>
<td>MATH 127</td>
<td>Intermediate Algebra</td>
<td>5</td>
</tr>
</tbody>
</table>

**Plus choose one course from the following:**

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET 213</td>
<td>Electronics Fundamentals</td>
<td>6</td>
</tr>
<tr>
<td>PSCI 201A</td>
<td>Physical Science: Physics and Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus, pass a minimum of two certification tests for the National Institute of Automotive Service Excellence (ASE)

## CERTIFICATE PROGRAM

### Automatic Transmission/Transaxle Specialist - C.A. Certificate

**Required Courses (17 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATCH 160</td>
<td>Automotive Electrical Accessories</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 168</td>
<td>Automotive Repair Business</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 182</td>
<td>Automatic Transmissions</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 280</td>
<td>Manual Drivetrains</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 281</td>
<td>Manual Transmissions</td>
<td>3</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Brakes Specialist - C.A. Certificate

**Required Courses (13.5 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATCH 109</td>
<td>Introduction to Automotive Computers</td>
<td>2.5</td>
</tr>
<tr>
<td>ATCH 160</td>
<td>Automotive Electrical Accessories</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 168</td>
<td>Automotive Repair Business</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 284</td>
<td>Braking Systems</td>
<td>4</td>
</tr>
</tbody>
</table>
# AUTOMOTIVE TECHNOLOGY

## CERTIFICATE PROGRAM

### Chassis And Suspension Specialist - C.A. Certificate

**Required Courses (14 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATCH 160</td>
<td>Automotive Electrical Accessories</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 168</td>
<td>Automotive Repair Business</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 186</td>
<td>Chassis and Suspension Systems</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 284</td>
<td>Braking Systems</td>
<td>4</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Electrical Systems Specialist - C.A. Certificate

**Required Courses (13.5 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATCH 109</td>
<td>Introduction to Automotive Computers</td>
<td>2.5</td>
</tr>
<tr>
<td>ATCH 158</td>
<td>Automotive Electricity and Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 160</td>
<td>Automotive Electrical Accessories</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 168</td>
<td>Automotive Repair Business</td>
<td>3</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Engine Performance Specialist - C.A. Certificate

**Required Courses (21.5 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATCH 109</td>
<td>Introduction to Automotive Computers</td>
<td>2.5</td>
</tr>
<tr>
<td>ATCH 120</td>
<td>Automotive Ignition Systems</td>
<td>2</td>
</tr>
<tr>
<td>ATCH 125</td>
<td>Engine Performance</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 152</td>
<td>Internal Combustion Engines</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 153</td>
<td>Engine Overhaul Procedures</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 158</td>
<td>Automotive Electricity and Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 187</td>
<td>Automotive Fuel Injection and Turbochargers</td>
<td>3</td>
</tr>
</tbody>
</table>
# AUTOMOTIVE TECHNOLOGY

## CERTIFICATE PROGRAM

### Engine Repair Specialist - C.A. Certificate

**Required Courses (17 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATCH 125</td>
<td>Engine Performance</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 152</td>
<td>Internal Combustion Engines</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 153</td>
<td>Engine Overhaul Procedures</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 158</td>
<td>Automotive Electricity and Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 168</td>
<td>Automotive Repair Business</td>
<td>3</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Heating And Air Conditioning Specialist - C.A. Certificate

**Required Course (15.5 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATCH 109</td>
<td>Introduction to Automotive Computers</td>
<td>2.5</td>
</tr>
<tr>
<td>ATCH 152</td>
<td>Internal Combustion Engines</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 160</td>
<td>Automotive Electrical Accessories</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 168</td>
<td>Automotive Repair Business</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 188</td>
<td>Automotive Heating and Air Conditioning</td>
<td>3</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Manual Drivetrains And Axles Specialist - C.A. Certificate

**Required Course (13 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATCH 160</td>
<td>Automotive Electrical Accessories</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 168</td>
<td>Automotive Repair Business</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 280</td>
<td>Manual Drivetrains</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 281</td>
<td>Manual Transmissions</td>
<td>3</td>
</tr>
</tbody>
</table>
BIOLOGY

DEGREES, CERTIFICATES & AWARDS

• Associate in Science (A.S.)

DESCRIPTION

Biology entails the study of the diversity and evolution of life and life processes using the scientific method. The Cuesta College biological sciences program is designed to provide students with an appreciation of the nature, scope and relationships of life forms, as well as an understanding of how biology is applied to medicine, the environment, engineering, and daily life. The program consists of a sequence of courses that prepares students for transfer, field studies, and a variety of career opportunities.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:

www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine

www.CSUMENTOR.org – CSU System Information

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs – grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full- and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information:

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html
BIOLOGY

ASSOCIATE DEGREE PROGRAM

Biological Science – A.S. Degree

Required Courses (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 201A</td>
<td>Biology</td>
<td>5</td>
</tr>
<tr>
<td>BIO 201B</td>
<td>Biology</td>
<td>5</td>
</tr>
<tr>
<td>BIO 204</td>
<td>Microbiology</td>
<td>5</td>
</tr>
</tbody>
</table>

Plus 21-27 credits from the following:

- MATH 236 or 247
- CHEM 201A and 201B
- PHYS 205A and 205B, OR, PHYS 208A and 208B and 208C.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 236</td>
<td>Introduction to Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 247</td>
<td>Introduction to Statistics</td>
<td>(4)</td>
</tr>
<tr>
<td>CHEM 201A</td>
<td>General College Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>and CHEM 201B</td>
<td>General College Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>or PHYS 205A</td>
<td>General Physics</td>
<td>4</td>
</tr>
<tr>
<td>and PHYS 205B</td>
<td>General Physics</td>
<td>4</td>
</tr>
<tr>
<td>or PHYS 208A</td>
<td>Principles of Physics 1</td>
<td>(5)</td>
</tr>
<tr>
<td>and PHYS 208B</td>
<td>Principles of Physics 2</td>
<td>(5)</td>
</tr>
<tr>
<td>and PHYS 208C</td>
<td>Modern Physics</td>
<td>(4)</td>
</tr>
</tbody>
</table>
BROADCAST COMMUNICATIONS

DEGREES, CERTIFICATES & AWARDS

• Associate in Science (A.S.)

DESCRIPTION
The purpose of the Broadcasting Program is to prepare students for:

1. Entry level positions in television production
2. Entry level positions in motion picture production
3. Entry level positions in radio (both as production crew and talent)

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:

www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine

www.CSUMentor.org – CSU System Information

FINANCIAL AID

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www.cuesta.edu/student/aboutmoney/finaid

CAREER OPPORTUNITIES

- Camera Operator
- Documentary Filmmaker
- Independent Video Producer
- Production Assistant (radio, TV, and Motion Pictures)
- Production Technician Creative Services (Commercials)
- Production Technician Newsroom
- Radio DJ
- Radio Technician
- Video Editor

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html
## BROADCAST COMMUNICATIONS

### ASSOCIATE DEGREE PROGRAM

**Broadcast Communications – A.A. Degree**

**Required Courses (19 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCST 221</td>
<td>Introduction to Broadcasting</td>
<td>3</td>
</tr>
<tr>
<td>BCST 223</td>
<td>Video Operations</td>
<td>3</td>
</tr>
<tr>
<td>BCST 224A</td>
<td>Audio Production</td>
<td>3</td>
</tr>
<tr>
<td>BCST 225A</td>
<td>Video Studio Production</td>
<td>3</td>
</tr>
<tr>
<td>BCST 226</td>
<td>Writing for Electronic Media</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 201A</td>
<td>English Composition</td>
<td>4</td>
</tr>
</tbody>
</table>

**Plus 3 credits from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCST 224B</td>
<td>Advanced Audio Production</td>
<td>3</td>
</tr>
<tr>
<td>BCST 224C</td>
<td>Advanced Audio Production</td>
<td>3</td>
</tr>
<tr>
<td>BCST 224D</td>
<td>Advanced Audio Production</td>
<td>3</td>
</tr>
<tr>
<td>BCST 225B</td>
<td>Field Video Production and Editing</td>
<td>3</td>
</tr>
<tr>
<td>BCST 230A</td>
<td>Television Internship</td>
<td>3</td>
</tr>
<tr>
<td>BCST 230B</td>
<td>Television Internship</td>
<td>3</td>
</tr>
<tr>
<td>BCST 230C</td>
<td>Television Internship</td>
<td>3</td>
</tr>
<tr>
<td>BCST 230D</td>
<td>Television Internship</td>
<td>3</td>
</tr>
</tbody>
</table>
### Pathway to Associate Degree Business Administration - Transferable degree

<table>
<thead>
<tr>
<th>PREPARATION</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year FALL</strong></td>
<td></td>
</tr>
<tr>
<td>- ENGL 156 (4)</td>
<td></td>
</tr>
<tr>
<td>- MATH 127 (5)</td>
<td></td>
</tr>
<tr>
<td>- General Education Requirement AREA B1</td>
<td></td>
</tr>
</tbody>
</table>

| **First Year SPRING** |   |
| - ENGL 201A (4) |   |
| - MATH 242 (5) |   |
| - Graduation Requirement: HEED 203 OR 208 |   |
| - General Education Requirement AREA B2 |   |
| - BUS 245 |   |
| - CIS 210 or BUS 227 |   |

| **Second Year FALL** |   |
| - ENGL 201B or ENGL 201C or other General Education Requirement for A3 |   |
| - MATH 255 or MATH 265A OR MATH 247 OR MATH 236* |   |
| - BUS 218 |   |
| - General Education Requirement AREA B4 |   |
| - General Education Requirement AREA C1 OR C2 |   |

| **Second Year SPRING** |   |
| - General Education Requirement AREA D: HIST 207A OR HIST 207B |   |
| - BUS 201A |   |
| - ECON 201A |   |
| - General Education Requirement AREA C1 OR C2 |   |

| **Second Year SPRING** |   |
| - COMM 201A or other General Education Requirement AREA A2 |   |
| - General Education Requirement AREA D: POLS 202 |   |
| - BUS 201B |   |
| - ECON 201B |   |
| - GENERAL EDUCATION REQUIREMENT AREA C1 OR C2 |   |

Above chart is subject to change. Please see counseling for A.S.
BUSINESS

DEGREES, CERTIFICATES & AWARDS
- Associate in Science for Transfer (A.S.-T)
- Associate in Arts (A.A.)
- Certificate of Achievement (C.A.)

DESCRIPTION
Business Administration is a broad area encompassing Accounting, Law, Economics, Global Trade, Financial Markets, Computer Information Systems, Business Communications and Marketing. Study in this area explores the theories, history, principles, practices, ethics and technologies governing contemporary issues in a global business environment. This program is designed to provide a basic overview of all subject matter and is preparatory lower division coursework for a bachelor’s degree. The Associate in Arts in Business Administration for Transfer Degree is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. Students completing this degree (AA-T) are guaranteed admission to the CSU system, but not necessarily to a particular campus.

The Career Path degree prepares students for the real world of Business by offering courses that allow students opportunities to acquire practical skills, technical knowledge and experience is a variety of fields of their choosing. The fields of study include Management, Marketing, Accounting, Entrepreneurship, International Business, Economics, Legal Studies, Business Information Systems and E-Commerce. The Career Path degree allows students to create a personalized degree based upon core Business classes for all students but also permits optional coursework in a desired profession which will enhance the student’s opportunity for employment or improve their chances of advancement in their current vocational field.

The Business Management degree allows students to develop a broad understanding and content knowledge of the field of Management and Human Relations plus the skills required to successfully manage human resources. It helps prepare students by offering courses that give them

CAREER OPPORTUNITIES
- Accounting
- Appraiser
- Banking
- Business Entrepreneur
- Communications Analyst
- Database Specialist
- Escrow Officer
- Promotion
- Sales
- FBI Agent
- Finance
- Financial Services
- Human Resources Manager
- Loan Officer
- Public Administration
- Health Administration
- Import/Export Agent
- Information Systems Specialist
- Inspection
- Management
- Marketing
- Marketing Manager
- Merchandising Manager
- Product Manager
- Personnel Manager
- Programmer/Analyst
- Purchasing Marketing
- Real Estate
- Mortgage Broker
- Property Manager
- Real Estate Broker
- Sales Representative
- Small Business Owner
- Transportation Administration
- Utilities Administration

TRANSFER PREPARATION
Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:
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www.cuesta.edu/student/aboutmoney/finaid

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the opportunity to acquire practical, hands-on skills and a working knowledge of how to lead as well as manage employees. It also encompasses an international component as most graduates will engage in some form of global or transnational business at some point during their career. This degree will provide students with the education and training for entry level management or supervisory

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major,

ASSOCIATE DEGREE FOR TRANSFER PROGRAM

Business Administration – A.S.-T Degree for Transfer

Required Courses (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 201A</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 201B</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 218</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201B</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

List A (select one, 3-4 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 255</td>
<td>Calculus for Business and Management</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 247</td>
<td>Introduction to Statistics</td>
<td>(4)</td>
</tr>
<tr>
<td>or MATH 236</td>
<td>Introduction to Applied Statistics</td>
<td>(3)</td>
</tr>
</tbody>
</table>

List B (select two courses one of which must be BUS 245, 6-8 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 245</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>Any course from List A not already used</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>(Note: only one statistics course may be used in the major)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or CIS 210</td>
<td>Introduction to Computer Applications</td>
<td>(4)</td>
</tr>
<tr>
<td>or BUS 227</td>
<td>Business Communications</td>
<td>(4)</td>
</tr>
</tbody>
</table>

"P" (Pass) grade is not acceptable for major coursework in the Associate Degrees for Transfer.

In addition to major preparation coursework listed above, completion of the CSU GE or IGETC pattern is mandatory. Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.
### ASSOCIATE DEGREE PROGRAM

#### Business Administration - Career Path – A.A. Degree

**Required Courses (3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 245</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 12 or more credits from the following **core courses**:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 243*</td>
<td>Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 248*</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 260*</td>
<td>International Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 283*</td>
<td>Management and Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BUS 201A*</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 218*</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>BUS 286*</td>
<td>Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 9 or more credits from the following **Business electives**:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 130</td>
<td>Introduction to E-Commerce</td>
<td>3</td>
</tr>
<tr>
<td>BUS 131</td>
<td>E-Commerce: Social Media Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 134</td>
<td>E-Commerce: Entrepreneurship</td>
<td>4</td>
</tr>
<tr>
<td>BUS 201A*</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 201B</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 218*</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>BUS 227</td>
<td>Business Communications</td>
<td>4</td>
</tr>
<tr>
<td>BUS 240</td>
<td>Advertising</td>
<td>3</td>
</tr>
<tr>
<td>BUS 241</td>
<td>Sales</td>
<td>3</td>
</tr>
<tr>
<td>BUS 243*</td>
<td>Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 248*</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 249</td>
<td>Entrepreneurship</td>
<td>4</td>
</tr>
<tr>
<td>BUS 260*</td>
<td>International Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 283*</td>
<td>Management and Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BUS 286*</td>
<td>Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 261</td>
<td>Introduction to Spreadsheets</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 264</td>
<td>Introduction to Database Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201B</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 206</td>
<td>Business Organizations</td>
<td>3</td>
</tr>
</tbody>
</table>

*Courses taken cannot be “double-counted” for credits. That is, completed courses can be counted only once, in either the core courses section or the Business electives section.

Students are encouraged to select courses based upon their personal preferences and vocational or career goals.
BUSINESS

CERTIFICATE PROGRAM

Business Administration - C.A. Certificate

Required Courses (14 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 201A</td>
<td>Principles of Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 218</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>BUS 245</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 6 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 130</td>
<td>Introduction to E-Commerce</td>
<td>3</td>
</tr>
<tr>
<td>BUS 243</td>
<td>Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 248</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>or BUS 249</td>
<td>Entrepreneurship</td>
<td>(4)</td>
</tr>
<tr>
<td>BUS 260</td>
<td>International Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 283</td>
<td>Management and Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BUS 286</td>
<td>Human Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

ASSOCIATE DEGREE PROGRAM

Management – A.A. Degree

Required Courses (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 245</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 260</td>
<td>International Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 283</td>
<td>Management and Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BUS 286</td>
<td>Human Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 9 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 130</td>
<td>Introduction to E-Commerce</td>
<td>3</td>
</tr>
<tr>
<td>BUS 201A</td>
<td>Principles of Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 218</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>BUS 227</td>
<td>Business Communications</td>
<td>4</td>
</tr>
<tr>
<td>BUS 243</td>
<td>Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 248</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
</tbody>
</table>
ASSOCIATE DEGREE PROGRAM

Marketing – A.A. Degree

Required Courses (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 131</td>
<td>Social Media Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 240</td>
<td>Advertising</td>
<td>3</td>
</tr>
<tr>
<td>BUS 241</td>
<td>Sales</td>
<td>3</td>
</tr>
<tr>
<td>BUS 243</td>
<td>Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 260</td>
<td>International Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 6 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 130</td>
<td>Introduction to E-Commerce</td>
<td>3</td>
</tr>
<tr>
<td>BUS 201A</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 227</td>
<td>Business Communications</td>
<td>4</td>
</tr>
<tr>
<td>BUS 245</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 248</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 249</td>
<td>Entrepreneurship</td>
<td>4</td>
</tr>
<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>COMM 212</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 205</td>
<td>Multimedia Journalism</td>
<td>3</td>
</tr>
</tbody>
</table>

CERTIFICATE PROGRAM

Customer Service - C.S. Certificate

Required Courses (5 Credits)

Choose 10 courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 170</td>
<td>Dealing with Change</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 171</td>
<td>Team Building</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 172</td>
<td>Communicating With People</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 173</td>
<td>Conflict Resolution</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 174</td>
<td>Customer Service</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 175</td>
<td>Values and Ethics</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 176</td>
<td>Attitude in the Workplace</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 177</td>
<td>Stress Management</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 178</td>
<td>Decision Making &amp; Problem Solving</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 179</td>
<td>Time Management</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 181</td>
<td>Professional Image: Appearance, Etiquette, &amp; Networking</td>
<td>5</td>
</tr>
<tr>
<td>BUS 182</td>
<td>Goal Setting: Vision, Goals and Job Search Strategies</td>
<td>5</td>
</tr>
<tr>
<td>BUS 183</td>
<td>Using Technology to Communicate Effectively</td>
<td>.5</td>
</tr>
</tbody>
</table>

CERTIFICATE PROGRAM

Internet/Digital Marketing - C.S. Certificate

Required Courses (16 Credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 130</td>
<td>Introduction to E-Commerce</td>
<td>3</td>
</tr>
<tr>
<td>BUS 131</td>
<td>E-Commerce: Social Media Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 132</td>
<td>E-Commerce: Information Products</td>
<td>3</td>
</tr>
<tr>
<td>BUS 133</td>
<td>E-Commerce: Physical Products</td>
<td>3</td>
</tr>
<tr>
<td>BUS 134</td>
<td>E-Commerce: Entrepreneurship</td>
<td>4</td>
</tr>
</tbody>
</table>
CHEMISTRY

DEGREES, CERTIFICATES & AWARDS

- Associate in Science (A.S.)

DESCRIPTION

The Cuesta College Chemistry Program provides interesting and challenging opportunities for students who seek to learn about the atoms and molecules that comprise the building blocks of our world. The study of chemistry leads to a greater understanding of materials, medicine, engineering, forensics, environmental science, geology, and other related fields. Popular topics include the chemistry of the environment, batteries, fuels, household substances, polymers, and how chemists make the molecules that we use on a daily basis. The Chemistry Program offers courses in Introductory Chemistry (Chem 210FL and Chem 211) for beginning science and nursing and allied health majors; General Chemistry (Chem 201A and 201B) for science and engineering majors; and Organic Chemistry (Chem 212 A and 212B) for science majors and students who intend to earn professional health degrees at medical, pharmacy or veterinary schools. Students can earn an A.S. degree in Chemistry at Cuesta College, preparing them for transfer to four-year institutions or for employment in technical careers.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:

- www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine
- www.CSUMENTOR.org – CSU System Information

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs – grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full- and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information:

http://www.cuesta.edu/student/aboutmoney/finaid
CHEMISTRY

ASSOCIATE DEGREE PROGRAM

Chemistry – A.S. Degree

Required Courses (29 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 201A</td>
<td>General College Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 201B</td>
<td>General College Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 212A</td>
<td>Organic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 212B</td>
<td>Organic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>MATH 242</td>
<td>Precalculus Algebra</td>
<td>5</td>
</tr>
<tr>
<td>MATH 229</td>
<td>Trigonometry</td>
<td>4</td>
</tr>
</tbody>
</table>
COMMUNICATION STUDIES

DEGREES, CERTIFICATES & AWARDS
- Associate in Arts for Transfer (A.A.-T)

DESCRIPTION
The Communication Studies program compels students to explore the communication theories, strategies, and skills needed to succeed in our complex and diverse world. Courses focus on improving social, cultural, professional, and personal experiences through the understanding and applied practice of communication. Many studies cite “effective communication” as the number one skill in demand in today’s workplace. Through the study and practice of communication, students will become more competent communicators in both their professional and personal lives. Our Communication Studies transfer degree prepares students for transfer to earn a baccalaureate degree in Communication Studies from a California State University.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.
The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

CAREER OPPORTUNITIES
- Communications Teachers, Postsecondary
- Community Health Workers
- Compliance Managers
- Directors - Stage, Motion Pictures, Television, and Radio
- Film and Video Editors
- Green Marketers
- Health Educators
- Investment Fund Managers
- Producers
- Program Directors
- Regulatory Affairs Managers
- Talent Directors
- Technical Directors/Managers

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

TRANSFER PREPARATION
Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:
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www.cuesta.edu/student/aboutmoney/finaid
# COMMUNICATION STUDIES

## ASSOCIATE DEGREE FOR TRANSFER PROGRAM

**Communication Studies – A.A.-T Degree for Transfer**

**Required Core (9 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 201A</td>
<td>Public Address</td>
<td>3</td>
</tr>
<tr>
<td>COMM 215</td>
<td>Argumentation &amp; Debate</td>
<td>3</td>
</tr>
<tr>
<td>COMM 210</td>
<td>Small Group Discussion</td>
<td>3</td>
</tr>
</tbody>
</table>

**Plus 6 credits from the following (3 credits must be COMM 212):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 212</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>BCST 221</td>
<td>Introduction to Electronic Media</td>
<td>3</td>
</tr>
<tr>
<td>or JOUR 201B</td>
<td>Introduction Mass Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

**Plus 3 credits from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 203</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201A</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 201B</td>
<td>English Composition: Introduction to Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 201C</td>
<td>English Composition: Critical Thinking</td>
<td>4</td>
</tr>
<tr>
<td>JOUR 201A</td>
<td>News Writing and Reporting</td>
<td>3</td>
</tr>
</tbody>
</table>

“P” (Pass) grade is not acceptable for major coursework in the Associate Degrees for Transfer.

In addition to major preparation course work listed above, completion of the CSU GE or IGETC pattern is mandatory.

Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.
DEGREES, CERTIFICATES & AWARDS
- Associate in Arts (A.A.)
- Certificate of Achievement (C.A.)
- Certificate of Specialization (C.S.)

DESCRIPTION
The Computer Application Office Administration (CAOA) program prepares students with the education needed to qualify and succeed in careers that require a higher level of competency and work experience. With technology being intricately intertwined with the administrative professional - technical, administrative, communication and interpersonal skills are essential to success in the work place. The CAOA program has kept up with the ever changing technology and business demands by offering courses which prepare students with the most current software applications and employer required work readiness skills. The result of this program produces a responsible, skilled computer applications specialist, administrative professional or bookkeeper with strong work ethics.

The CAOA program trains students on rapidly changing technology and working practices that provides relevant knowledge and skills needed to remain competitive in today's complex work environment. The various courses teach the skills necessary to be successful in an array of positions that include Administrative Assistant - Office Technician - Executive Secretary - Administrative Manager - Bookkeeping and Network Support.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

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CAREER OPPORTUNITIES
- Administrative Assistant
- Administrative Manager
- Administrative Professional
- Bookkeeping
- Executive Secretary
- Network Support
- Office Technician

FINANCIAL AID
Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs – grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full- and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information:

www.cuesta.edu/student/aboutmoney/finaid
## COMPUTER APPLICATIONS/OFFICE ADMINISTRATION

### ASSOCIATE DEGREE PROGRAM

**Computer Applications/Office Administration – A.A. Degree**

At least 8 units in Computer Applications/Office Administration must be earned at Cuesta College for a Computer Applications/Office Administration, A.A. Degree.

**Required Courses (40.5-42.5 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 201B</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>or CAOA 252</td>
<td>Computerized Accounting Using QuickBooks Pro</td>
<td>(3)</td>
</tr>
<tr>
<td>BUS 251</td>
<td>Elements of Accounting</td>
<td>4</td>
</tr>
<tr>
<td>or BUS 201A</td>
<td>Financial Accounting</td>
<td>(4)</td>
</tr>
<tr>
<td>or PLGL 101</td>
<td>Introduction to Law Office Procedures for Paralegals</td>
<td>(3)</td>
</tr>
<tr>
<td>CAOA 120B</td>
<td>Intermediate Computer Keyboarding and Document Processing</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 123</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 225</td>
<td>Business Calculations</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 126</td>
<td>Voice Recognition Software Application</td>
<td>1.5</td>
</tr>
<tr>
<td>or CAOA 250</td>
<td>Advanced Word Processing: Microsoft Word</td>
<td>(3)</td>
</tr>
<tr>
<td>BUS 227</td>
<td>Business Communications</td>
<td>4</td>
</tr>
<tr>
<td>CAOA 128</td>
<td>Office Technology and Telecommunications</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 129</td>
<td>Computer Applications/Office Administration Internship</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 246</td>
<td>Beginning Word Processing: Microsoft Word</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 160</td>
<td>Microcomputer Operations</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 261</td>
<td>Introduction to Spreadsheets</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 264</td>
<td>Introduction to Database Management</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 265</td>
<td>Adobe InDesign: Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>or CAOA 250</td>
<td>Advanced Word Processing: Microsoft Word</td>
<td>(3)</td>
</tr>
<tr>
<td>or CAOA 167</td>
<td>PowerPoint</td>
<td>(1)</td>
</tr>
<tr>
<td>and CAOA 153</td>
<td>Essentials of MS Publisher</td>
<td>(2)</td>
</tr>
<tr>
<td>or CAOA 268</td>
<td>Introduction to Photoshop: Business Applications</td>
<td>(3)</td>
</tr>
</tbody>
</table>
## COMPUTER APPLICATIONS/OFFICE ADMINISTRATION

### CERTIFICATE PROGRAM

#### Administrative Assistant - C.A. Certificate

**Required Courses (30.5-33 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 251</td>
<td>Elements of Accounting</td>
<td>4</td>
</tr>
<tr>
<td>or BUS 201A</td>
<td>Financial Accounting</td>
<td>(4)</td>
</tr>
<tr>
<td>CADA 120B</td>
<td>Intermediate Computer Keyboarding and Document Processing</td>
<td>3</td>
</tr>
<tr>
<td>CADA 123</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>CADA 225</td>
<td>Business Calculations</td>
<td>3</td>
</tr>
<tr>
<td>CADA 126</td>
<td>Voice Recognition Software Application</td>
<td>1.5</td>
</tr>
<tr>
<td>or CADA 250</td>
<td>Advanced Word Processing: Microsoft Word</td>
<td>(3)</td>
</tr>
<tr>
<td>BUS 227</td>
<td>Business Communications</td>
<td>4</td>
</tr>
<tr>
<td>CADA 128</td>
<td>Office Technology and Telecommunications</td>
<td>3</td>
</tr>
<tr>
<td>CADA 129</td>
<td>Computer Applications/Office Administration Internship</td>
<td>3</td>
</tr>
<tr>
<td>CADA 246</td>
<td>Beginning Word Processing: Microsoft Word</td>
<td>3</td>
</tr>
<tr>
<td>CADA 252</td>
<td>Computerized Accounting Using QuickBooks Pro</td>
<td>3</td>
</tr>
<tr>
<td>or BUS 201B</td>
<td>Managerial Accounting</td>
<td>(4)</td>
</tr>
</tbody>
</table>

#### Plus 9 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 286</td>
<td>Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>CADA 120A</td>
<td>Beginning Computer Keyboarding and Document Processing</td>
<td>3</td>
</tr>
<tr>
<td>CADA 250*</td>
<td>Advanced Word Processing: Microsoft Word</td>
<td>3</td>
</tr>
<tr>
<td>CADA 153</td>
<td>Essentials of MS Publisher</td>
<td>2</td>
</tr>
<tr>
<td>CADA 154</td>
<td>Essentials of MS Outlook</td>
<td>2</td>
</tr>
<tr>
<td>CADA 156</td>
<td>Test Prep for Microsoft Office Specialist (MOS) Certification</td>
<td>.5</td>
</tr>
<tr>
<td>CADA 160</td>
<td>Microcomputer Operations</td>
<td>3</td>
</tr>
<tr>
<td>CADA 261</td>
<td>Introduction to Spreadsheets</td>
<td>3</td>
</tr>
<tr>
<td>CADA 162</td>
<td>Introduction to Beginning Computer Keyboarding</td>
<td>1</td>
</tr>
<tr>
<td>CADA 264</td>
<td>Introduction to Database Management</td>
<td>3</td>
</tr>
<tr>
<td>CADA 265</td>
<td>Adobe InDesign: Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>CADA 266</td>
<td>Introduction to Computer Basics</td>
<td>1</td>
</tr>
<tr>
<td>CADA 167</td>
<td>PowerPoint</td>
<td>1</td>
</tr>
<tr>
<td>CADA 268</td>
<td>Introduction to Photoshop: Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>CADA 188A</td>
<td>Photoshop-Level 2</td>
<td>1.5</td>
</tr>
<tr>
<td>CADA 269</td>
<td>Introduction to Web Publishing: Dreamweaver</td>
<td>3</td>
</tr>
<tr>
<td>CADA 172</td>
<td>Photoshop Elements</td>
<td>1.5</td>
</tr>
<tr>
<td>CADA 173</td>
<td>Adobe Acrobat</td>
<td>1.5</td>
</tr>
</tbody>
</table>

* If not used for required credits.
### COMPUTER APPLICATIONS/OFFICE ADMINISTRATION

**CERTIFICATE PROGRAM**

**Accounting Clerk Bookkeeper - C.A. Certificate**

Required Courses (22 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 251</td>
<td>Elements of Accounting</td>
<td>4</td>
</tr>
<tr>
<td>CAOA 123</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 225</td>
<td>Business Calculations</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 128</td>
<td>Office Technology and Telecommunications</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 129</td>
<td>Computer Applications/Office</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Administration Internship</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 252</td>
<td>Computerized Accounting Using QuickBooks</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Pro</td>
<td></td>
</tr>
<tr>
<td>CAOA 261</td>
<td>Introduction to Spreadsheets</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 3 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAOA 120A</td>
<td>Beginning Computer Keyboarding and Document Processing</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 120B</td>
<td>Intermediate Computer Keyboarding and Document Processing</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 160</td>
<td>Microcomputer Operations</td>
<td>3</td>
</tr>
</tbody>
</table>

**CERTIFICATE PROGRAM**

**Computer Applications - C.A. Certificate**

Required Courses (16 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAOA 246</td>
<td>Beginning Word Processing: Microsoft Word</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 250</td>
<td>Advanced Word Processing: Microsoft Word</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 261</td>
<td>Introduction to Spreadsheets</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 264</td>
<td>Introduction to Database Management</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 265</td>
<td>Adobe InDesign: Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>or CAOA 167</td>
<td>PowerPoint</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>and CAOA 153 Essentials of MS Publisher</td>
<td>(2)</td>
</tr>
<tr>
<td>or CAOA 268</td>
<td>Introduction to Photoshop: Business Applications</td>
<td>(3)</td>
</tr>
<tr>
<td>or CAOA 269</td>
<td>Introduction to Web Publishing: Dreamweaver</td>
<td>(3)</td>
</tr>
<tr>
<td>CAOA 266</td>
<td>Introduction to Computer Basics</td>
<td>1</td>
</tr>
</tbody>
</table>

Plus 3 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAOA 120A</td>
<td>Beginning Computer Keyboarding and Document Processing</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 120B</td>
<td>Intermediate Computer Keyboarding and Document Processing</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 271</td>
<td>Using Flash for Business Applications</td>
<td>3</td>
</tr>
</tbody>
</table>
COMPUTER INFORMATION SYSTEMS

DEGREES, CERTIFICATES & AWARDS
- Associate in Science (A.S.)
- Certificate of Specialization (C.S.)

DESCRIPTION
Computer Information Systems encompasses the fields of Computer Science and Information Systems. Primary fields of study include software development, programming, and applications. Careers in today’s information systems require knowledge and hands-on experience in microcomputer applications as well as programming. Professionals in the computing field seek to advance the fundamental understanding of how information is processed, as well as the practical design of software and hardware to accomplish specific functions. The Associate in Science degree requirements are designed to satisfy core requirements for many Computer Science and Information Systems transfer patterns. However, students should consult a counselor and especially the catalog of the intended transfer institution for specific transfer requirements in the major. The program in Computer Information Systems offers students an opportunity to earn an associate's degree as well as coursework in general CIS electives for students in other fields of study campus-wide. The program also offers courses for high-demand skill areas such as mobile device development.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

CAREER OPPORTUNITIES
- Applications Programmer
- Applications Specialist
- Computing Applications Specialist
- Data Administrator
- Database Administrator
- Database Manager
- Help Desk Technician
- Information Specialist
- Mobile Applications Developer
- Network Administrator
- Network Technician
- Programmer
- Programmer Analyst
- Project Manager
- Software Engineer
- System Administrator
- System Manager
- System Operator
- Systems Analyst
- Systems Integrator
- Systems Programmer
- Web Designer
- Web Developer
- Webmaster

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

TRANSFER PREPARATION
Courses that fulfill major requirements for an associate degree may differ from those needed to prepare for transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:
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www.CSUMENTOR.org – CSU System Information

FINANCIAL AID
Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs – grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full- and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information:
www.cuesta.edu/student/aboutmoney/finaid
## COMPUTER INFORMATION SYSTEMS

### ASSOCIATE DEGREE PROGRAM

#### Computer Science – A.S. Degree

**Required Courses (37 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 201</td>
<td>Introduction to Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>CIS 231</td>
<td>Fundamentals of Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CIS 232</td>
<td>Fundamentals of Computer Science II</td>
<td>2</td>
</tr>
<tr>
<td>CIS 233</td>
<td>Fundamentals of Computer Science III</td>
<td>2</td>
</tr>
<tr>
<td>CIS 240</td>
<td>Microcomputer Architecture &amp; Programming</td>
<td>3</td>
</tr>
<tr>
<td>CIS 241</td>
<td>Discrete Structures</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 201A</td>
<td>General College Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 201B</td>
<td>General College Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>or</td>
<td>PHYS 208A Principles of Physics 1</td>
<td>(5)</td>
</tr>
<tr>
<td>or</td>
<td>PHYS 208B Principles of Physics 2</td>
<td>(5)</td>
</tr>
<tr>
<td>MATH 265A</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 265B</td>
<td>Calculus II</td>
<td>5</td>
</tr>
</tbody>
</table>

**Plus 3 credits from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 217</td>
<td>&quot;C&quot; Programming Language</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 217</td>
<td>Introduction to Electronic Circuit Analysis</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 219</td>
<td>Logic and Switching Circuits</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 246</td>
<td>Materials Engineering</td>
<td>2</td>
</tr>
<tr>
<td>ENGR 246L</td>
<td>Engineering Materials Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGR 250</td>
<td>Engineering Statics</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Management Information Systems – A.S. Degree

**Required Courses (38 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 201A</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 201B</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 218</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>CIS 201</td>
<td>Introduction to Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>CIS 215</td>
<td>Advanced Business Applications</td>
<td>4</td>
</tr>
<tr>
<td>CIS 231</td>
<td>Fundamentals of Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CIS 232</td>
<td>Fundamentals of Computer Science II</td>
<td>2</td>
</tr>
<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201B</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 255</td>
<td>Calculus for Business and Management</td>
<td>3</td>
</tr>
</tbody>
</table>
# COMPUTER INFORMATION SYSTEMS

## CERTIFICATE PROGRAM
### Android Developer - C.S. Certificate
**Required Courses (6 Credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 207</td>
<td>Android Development I</td>
<td>3</td>
</tr>
<tr>
<td>CIS 208</td>
<td>Android Development II</td>
<td>3</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM
### Internet Applications Developer - C.S. Certificate
**Required Courses (6 Credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 103</td>
<td>Fundamentals of Programming for the Internet</td>
<td>2</td>
</tr>
<tr>
<td>CIS 106</td>
<td>Server-Side Programming</td>
<td>4</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM
### IOS Developer - C.S. Certificate
**Required Courses (6 Credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 203</td>
<td>IOS Development I</td>
<td>3</td>
</tr>
<tr>
<td>CIS 204</td>
<td>IOS Development II</td>
<td>3</td>
</tr>
</tbody>
</table>
COMPUTER AND NETWORKING TECHNOLOGY

DEGREES, CERTIFICATES & AWARDS
- Associate in Science (A.S.)
- Certificate of Achievement (C.A.)
- Certificate of Specialization (C.S.)

DESCRIPTION
Computer and Network Technology program builds a solid foundation in computer and networking theory and applications. The training includes basic electronics, network cabling and infrastructure, computer and networking hardware, desktop and server operating systems, wireless configuration and administration and computer and network diagnostic tools. The goal of the degree is to provide broad training that will prepare a student to install, configure, troubleshoot and administrate all types of computer and network hardware and associated operating systems. Each course in the program is aligned with industry certifications including CompTIA A+, Cisco CCNA, Microsoft Desktop and Server Administration, FOA Copper and Fiber Cabling, and CWNA Wireless certifications. The curriculum is primarily designed for students who are seeking entry-level information and communication technology skills for positions such as network administrator, network engineer, network technician, computer technicians, network installer, and help desk technician.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

CAREER OPPORTUNITIES
- Computer Repair Specialist
- Computer Technical Support
- Networking Technician
- Wireless Configuration Specialist

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

TRANSFER PREPARATION
Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:
www.assist.org – CSU and UC Articulation Agreements and Majors Search Engine
www.CSUMentor.org – CSU System Information

FINANCIAL AID
Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs – grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full- and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information: www.cuesta.edu/student/aboutmoney/finaid
## ASSOCIATE DEGREE PROGRAM

### Computer And Networking Technology – A.S. Degree

**Required Courses (35 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 286</td>
<td>Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>CNET 218</td>
<td>Wireless Network Communication and Administration</td>
<td>4</td>
</tr>
<tr>
<td>CNET 221</td>
<td>Computer Workstation Administration</td>
<td>3</td>
</tr>
<tr>
<td>CNET 253</td>
<td>Microcomputers Fundamentals for Technicians</td>
<td>3</td>
</tr>
<tr>
<td>CNET 254</td>
<td>Server Maintenance and Administration</td>
<td>4</td>
</tr>
<tr>
<td>CNET 255</td>
<td>Copper and Fiber Optic Cabling</td>
<td>4</td>
</tr>
<tr>
<td>CNET 260</td>
<td>Networking Fundamentals</td>
<td>2.5</td>
</tr>
<tr>
<td>CNET 261</td>
<td>Router Theory and Technology</td>
<td>2.5</td>
</tr>
<tr>
<td>CIS 201</td>
<td>Introduction to Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>EET 213</td>
<td>Electronics Fundamentals</td>
<td>6</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Network Infrastructure Specialist - C.S. Certificate

**Required Courses (8 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNET 255</td>
<td>Copper and Fiber Optic Cabling</td>
<td>4</td>
</tr>
<tr>
<td>CNET 218</td>
<td>Wireless Network Communication and Administration</td>
<td>4</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Computer A+ Repair and Administration - C.S. Certificate

**Required Courses (10 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNET 221</td>
<td>Computer Workstation Administration</td>
<td>3</td>
</tr>
<tr>
<td>CNET 253</td>
<td>Microcomputer Fundamentals for Technicians</td>
<td>3</td>
</tr>
<tr>
<td>CNET 254</td>
<td>Server Maintenance and Administration</td>
<td>4</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Computer Networking Specialist - C.S. Certificate

**Required Courses (10 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNET 260</td>
<td>Networking Fundamentals</td>
<td>2.5</td>
</tr>
<tr>
<td>CNET 261</td>
<td>Router Theory and Technology</td>
<td>2.5</td>
</tr>
<tr>
<td>CNET 262</td>
<td>Local Area Networks</td>
<td>2.5</td>
</tr>
<tr>
<td>CNET 263</td>
<td>Wide Area Networks</td>
<td>2.5</td>
</tr>
</tbody>
</table>
CONSTRUCTION TECHNOLOGY

DEGREES, CERTIFICATES & AWARDS

• Associate in Science (A.S.)
• Certificate of Achievement (C.A.)

DESCRIPTION

The purpose of the Construction Technology Program is to prepare students for:

1. Employment within the construction field with knowledge of general practices within the construction industry, such as residential and commercial building

2. Entry level employment and/or placement into a trade union in the specialized trades, such as electrician, and plumbing

3. Specialized training in water treatment (Grade I and Grade 2), entry level solar installation (NABCEP), and building codes

4. Purchasing, scheduling, and feasibility of projects, materials, and resources as well as basic project management and bid development.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

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CAREER OPPORTUNITIES

- Building Maintenance Technician
- Entry into labor union
- Foreman
- General Contractor
- Materials Sales, Marketing, and Customer Service

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html
### CONSTRUCTION TECHNOLOGY

#### ASSOCIATE DEGREE PROGRAM

**Construction Technology – A.S. Degree**

**Required Courses (33 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTCH 250</td>
<td>Introduction to Construction</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 255</td>
<td>Basic Woodworking</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 163</td>
<td>Construction Management</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 164</td>
<td>Blueprint Reading</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 168</td>
<td>Residential Plumbing</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 169</td>
<td>Residential Wiring</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 171A</td>
<td>Homebuilding: Layout and Concrete I</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 172A</td>
<td>Homebuilding: Floor &amp; Wall Framing I</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 173A</td>
<td>Homebuilding: Roof Framing I</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 174A</td>
<td>Homebuilding: Finish Carpentry I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Plus 3 credits from the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 283</td>
<td>Management and Supervision</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 156</td>
<td>Machine Woodworking/Furniture</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 157</td>
<td>Cabinetmaking/32 mm European Construction</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 158</td>
<td>Cabinetmaking/Face Frame Construction</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 165</td>
<td>Block Masonry</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 166</td>
<td>Brick Masonry</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 171B</td>
<td>Homebuilding: Layout and Concrete II</td>
<td>2</td>
</tr>
<tr>
<td>CTCH 172B</td>
<td>Homebuilding: Floor &amp; Wall Framing II</td>
<td>2</td>
</tr>
<tr>
<td>CTCH 173B</td>
<td>Homebuilding: Roof Framing II</td>
<td>2</td>
</tr>
<tr>
<td>CTCH 174B</td>
<td>Homebuilding: Finish Carpentry II</td>
<td>2</td>
</tr>
<tr>
<td>CTCH 175</td>
<td>Basic Heating, Refrigeration, and Air Conditioning</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 176</td>
<td>Basic Water Treatment</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 177</td>
<td>Water Distribution Systems</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 181</td>
<td>National Electrical Code</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 182</td>
<td>Uniform Plumbing and Mechanical Codes</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 183A</td>
<td>Commercial Wiring and Electrical Systems</td>
<td>4</td>
</tr>
<tr>
<td>CTCH 183B</td>
<td>Industrial Wiring and Electrical Systems</td>
<td>4</td>
</tr>
<tr>
<td>CTCH 284</td>
<td>Introduction to Solar Technology</td>
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</tr>
<tr>
<td>CTCH 285</td>
<td>Solar Technology Design and Construction</td>
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</tr>
<tr>
<td>CTCH 287</td>
<td>Introduction to Green Technology</td>
<td>4</td>
</tr>
<tr>
<td>WELD 270A</td>
<td>Basic Welding</td>
<td>3</td>
</tr>
</tbody>
</table>
## CONSTRUCTION TECHNOLOGY

### CERTIFICATE PROGRAM

**Construction Technology - C.A. Certificate**

*Required Courses (33 credits)*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTCH 250</td>
<td>Introduction to Construction</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 255</td>
<td>Basic Woodworking</td>
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</tr>
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<td>3</td>
</tr>
<tr>
<td>CTCH 173A</td>
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<td>3</td>
</tr>
<tr>
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</tr>
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</table>

*Plus 3 credits from the following:*

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<tr>
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<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTCH 156</td>
<td>Machine Woodworking/Furniture</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 157</td>
<td>Cabinetmaking/32 mm European Construction</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 158</td>
<td>Cabinetmaking/Face Frame Construction</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 165</td>
<td>Block Masonry</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 166</td>
<td>Brick Masonry</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 171B</td>
<td>Homebuilding: Layout and Concrete II</td>
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</tr>
<tr>
<td>CTCH 172B</td>
<td>Homebuilding: Floor and Wall Framing II</td>
<td>2</td>
</tr>
<tr>
<td>CTCH 173B</td>
<td>Homebuilding: Roof Framing II</td>
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</tr>
<tr>
<td>CTCH 183B</td>
<td>Industrial Wiring and Electrical Systems</td>
<td>4</td>
</tr>
<tr>
<td>WELD 270A</td>
<td>Basic Welding</td>
<td>3</td>
</tr>
</tbody>
</table>
CRIMINAL JUSTICE

DEGREES, CERTIFICATES & AWARDS
- Associate in Science for Transfer (A.S.-T)
- Associate in Arts (A.A.)

DESCRIPTION
The Criminal Justice Program studies the activities and operations of law enforcement agencies, the courts and correctional agencies. The public and social policy implications associated with operating the criminal justice system are also explored. Criminal Justice careers offer individuals a rewarding opportunity to serve the public, safeguard constitutional rights and actively meet the needs of the community. Upon completion of the program, students will be prepared to work in a variety of fields, including law enforcement, investigations, courts, corrections, private security, law and juvenile justice.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

CAREER OPPORTUNITIES
- Correctional Officer
- Nonprofit Agencies
- Parole/Probation Officer
- Police Officer
- Victim's Advocate
- Youth Correctional Facility

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

TRANSFER PREPARATION
Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:
www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine
www.CSUMentor.org – CSU System Information

FINANCIAL AID
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www.cuesta.edu/student/aboutmoney/finaid
## CRIMINAL JUSTICE

### ASSOCIATE DEGREE FOR TRANSFER PROGRAM

**Administration of Justice – A.S.-T Degree for Transfer**

**Required Core (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 202</td>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 206</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
</tr>
</tbody>
</table>

**List A: Select any TWO of the following courses (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 204</td>
<td>Principles and Procedures of the Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CJ 208</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
</tr>
<tr>
<td>CJ 210</td>
<td>Principles of Investigation</td>
<td>3</td>
</tr>
<tr>
<td>CJ 224</td>
<td>Community, Diversity and the Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CJ 228</td>
<td>Introduction to Corrections</td>
<td>3</td>
</tr>
</tbody>
</table>

**List B: Select any TWO of the following courses (6-7 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDC 201A</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 236</td>
<td>Introduction to Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 247</td>
<td>Introduction to Statistics</td>
<td>(4)</td>
</tr>
</tbody>
</table>

“P” (Pass) grade is not acceptable for major coursework in the Associate Degrees for Transfer.

In addition to major preparation course work listed above, completion of the CSU GE or IGETC pattern is mandatory.

Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.

### ASSOCIATE DEGREE PROGRAM

**Criminal Justice – A.A. Degree**

Students must pass all classes with a grade of “C” or better.

A minimum of 12 credits in Criminal Justice must be earned at Cuesta College.

**Required Courses (26 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 202</td>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 204</td>
<td>Principles and Procedures of the Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CJ 206</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CJ 208</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
</tr>
<tr>
<td>CJ 210</td>
<td>Principles of Investigation</td>
<td>3</td>
</tr>
<tr>
<td>CJ 213</td>
<td>Concepts of Enforcement Service</td>
<td>3</td>
</tr>
<tr>
<td>CJ 224</td>
<td>Community, Diversity and the Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CJ 226</td>
<td>Investigative Report Writing</td>
<td>2</td>
</tr>
<tr>
<td>CJ 228</td>
<td>Introduction to Corrections</td>
<td>3</td>
</tr>
</tbody>
</table>
DRAMA

DEGREES, CERTIFICATES & AWARDS

• Associate in Arts for Transfer (A.A.-T)

DESCRIPTION
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.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

TRANSFER PREPARATION
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www.cuesta.edu/student/aboutmoney/finaid

CAREER OPPORTUNITIES

• Actors
• Drama Teacher, Postsecondary
• Artists and Related Workers, All Other
• Directors- Stage, Motion Pictures, Television, and Radio
• Entertainers and Performers, Sports and Related Workers, All Other
• Producers
• Program Directors
• Set and Exhibit Designers
• Talent Directors
• Technical Directors/Managers

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link:
http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html
ASSOCIATE DEGREE FOR TRANSFER PROGRAM

Theatre Arts – A.A.-T Degree for Transfer

Required Courses (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRA 207</td>
<td>Introduction to Theatre</td>
<td>3</td>
</tr>
<tr>
<td>DRA 200</td>
<td>Acting I</td>
<td>3</td>
</tr>
<tr>
<td>DRA 248</td>
<td>Rehearsal and Performance in Production</td>
<td>3</td>
</tr>
<tr>
<td>or DRA 240</td>
<td>Technical Theatre Practicum</td>
<td>(3)</td>
</tr>
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</table>

Select at least 9 credits from the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRA 201</td>
<td>Acting II</td>
<td>3</td>
</tr>
<tr>
<td>DRA 209</td>
<td>Introduction to Theatre Design</td>
<td>3</td>
</tr>
<tr>
<td>DRA 211</td>
<td>Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>DRA 236</td>
<td>Introduction to Theatrical Costume Construction</td>
<td>3</td>
</tr>
<tr>
<td>DRA 240</td>
<td>Technical Theatre Practicum</td>
<td>3</td>
</tr>
<tr>
<td>or DRA 248</td>
<td>Rehearsal and Performance in Production</td>
<td>(3)</td>
</tr>
</tbody>
</table>

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Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.
EARLY CHILDHOOD EDUCATION

DEGREES, CERTIFICATES & AWARDS
- Associate in Science for Transfer (A.S.-T)
- Associate in Arts (A.A.)
- Certificate of Achievement (C.A.)

DESCRIPTION
Early Childhood Education Program course work is approved by the California Commission on Teacher Credentialing as meeting the requirements for the California Child Development Permit. Students completing the ECE AA or AS-T degrees are immediately eligible for the Child Development Permit at the Teacher level. The Early Childhood Education curriculum prepares students to work with children from infancy into middle childhood in a variety of learning environments.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

CAREER OPPORTUNITIES
- Adoption Counselor
- Before and After School Teacher/Dirctor
- Child Care Teacher/Director
- Child Life Specialist
- Community College Instructor
- Counselor – Career
- Counselor – Community
- Counselor – Marriage/Family/Child
- Counselor – School
- Early Childhood Special Education Specialist
- Elementary School Teacher
- Infant Day Care Teacher/Director
- Parent Education Instructor
- Pediatric Psychologist
- Preschool Teacher/Administrator
- Resource and Referral Coordinator
- Social Worker

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EARLY CHILDHOOD EDUCATION

ASSOCIATE DEGREE FOR TRANSFER PROGRAM

Early Childhood Education – A.S.-T Degree for Transfer

Required Core (27 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 201</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE 202</td>
<td>Child, Family and Community</td>
<td>3</td>
</tr>
<tr>
<td>ECE 203</td>
<td>Curriculum for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>ECE 204</td>
<td>Health, Safety and Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>ECE 205</td>
<td>Introduction to Early Childhood Education: Principles and Practices</td>
<td>3</td>
</tr>
<tr>
<td>ECE 206</td>
<td>Observation, Recording Techniques and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>ECE 209</td>
<td>Guidance, Curriculum and Environments</td>
<td>3</td>
</tr>
<tr>
<td>ECE 210</td>
<td>Practicum: Field Experience</td>
<td>3</td>
</tr>
<tr>
<td>ECE 215</td>
<td>Teaching in a Diverse Society</td>
<td>3</td>
</tr>
</tbody>
</table>

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ASSOCIATE DEGREE PROGRAM

Early Childhood Education Teacher– A.A. Degree

Required Courses (30 credits)

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 201</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE 202</td>
<td>Child, Family and Community</td>
<td>3</td>
</tr>
<tr>
<td>ECE 203</td>
<td>Curriculum for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>ECE 204</td>
<td>Health, Safety and Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>ECE 205</td>
<td>Introduction to Early Childhood Education: Principles and Practices</td>
<td>3</td>
</tr>
<tr>
<td>ECE 206</td>
<td>Observation, Recording Techniques and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>ECE 209</td>
<td>Guidance, Curriculum and Environments</td>
<td>3</td>
</tr>
<tr>
<td>ECE 210</td>
<td>Practicum: Field Experience</td>
<td>3</td>
</tr>
<tr>
<td>ECE 215</td>
<td>Teaching in a Diverse Society</td>
<td>3</td>
</tr>
<tr>
<td>HEED 204</td>
<td>Standard First Aid and CPR (Cardiopulmonary Resuscitation)</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 3 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 211</td>
<td>Music And Movement Activities for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>ECE 220</td>
<td>Art for Children</td>
<td>3</td>
</tr>
<tr>
<td>ECE 234</td>
<td>Children’s Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 3 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 244</td>
<td>Supervision and Administration of Parent Programs</td>
<td>3</td>
</tr>
<tr>
<td>ECE 245</td>
<td>Adult Supervision, Evaluations and Staff Relations in ECE</td>
<td>3</td>
</tr>
<tr>
<td>ECE 246</td>
<td>Administration and Supervision of Early Childhood Schools</td>
<td>3</td>
</tr>
</tbody>
</table>

Continued on page 123
### EARLY CHILDHOOD EDUCATION

#### ASSOCIATE DEGREE PROGRAM

**Early Childhood Education Teacher– A.A. Degree (continued from page 122)**

Plus 3 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 135</td>
<td>Strategies for Challenging Behaviors in the ECE Classroom</td>
<td>3</td>
</tr>
<tr>
<td>ECE 236</td>
<td>Understanding the Child with Special Needs</td>
<td>3</td>
</tr>
<tr>
<td>ECE 242</td>
<td>Infant-Toddler Caregiving</td>
<td>3</td>
</tr>
<tr>
<td>* Current certification in Standard First Aid and CPR may be substituted for HEED 204.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### CERTIFICATE PROGRAM

**Early Childhood Education Teacher - C.A. Certificate**

**Required Courses (30 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 201</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE 202</td>
<td>Child, Family and Community</td>
<td>3</td>
</tr>
<tr>
<td>ECE 203</td>
<td>Curriculum for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>ECE 204</td>
<td>Health, Safety and Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>ECE 205</td>
<td>Introduction to Early Childhood Education: Principles and Practices</td>
<td>3</td>
</tr>
<tr>
<td>ECE 206</td>
<td>Observation, Recording Techniques and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>ECE 209</td>
<td>Guidance, Curriculum and Environments</td>
<td>3</td>
</tr>
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<tbody>
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</tr>
</tbody>
</table>

Plus 3 credits from the following:

<table>
<thead>
<tr>
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<td>* Current certification in Standard First Aid and CPR may be substituted for HEED 204.</td>
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<td></td>
</tr>
</tbody>
</table>
ELECTRONICS AND ELECTRICAL TECHNOLOGY

DEGREES, CERTIFICATES & AWARDS

- Associate in Science (A.S.)
- Certificate of Achievement (C.A.)
- Certificate of Specialization (C.S.)

DESCRIPTION

Cuesta College is an approved training provider as a general electrician certification training program. Students enrolled in an approved course may register with the Division of Apprenticeship Standards to be eligible to work as an electrician trainee and continue their employment if 150 classroom hours each year are completed until qualified for the certification exam. Students who complete all the mandatory courses are eligible to sit for the certification exam administered by the state of California. Passage of this exam in combination of specific work experience will complete the state electrician certification process.

There is additional paperwork required for the State Electrician Trainee Program. Please contact the Engineering Technology Department for more information at (805) 546-3264.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

CAREER OPPORTUNITIES

- Commercial Electrical Installer
- Electrical Engineer
- Electrical Installer
- Electrical Maintenance Technician
- Electrician
- Environmental Engineer
- Environmental Scientist
- Industrial Maintenance Electrician
- Solar Engineer
- Solar Engineer
- Environmental Engineer
- Environmental Scientist
- Industrial Maintenance Electrician
- Solar Engineer

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:

- www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine
- www.CSUMentor.org – CSU System Information

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs – grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full- and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information: www.cuesta.edu/student/aboutmoney/finaid
ELECTRONICS AND ELECTRICAL TECHNOLOGY

ASSOCIATE DEGREE PROGRAM

Electrical Technology – A.S. Degree

Required Courses (33 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTCH 163</td>
<td>Construction Management</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 169</td>
<td>Residential Wiring</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 181</td>
<td>National Electrical Code</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 183</td>
<td>Commercial and Industrial Wiring Systems</td>
<td>4</td>
</tr>
<tr>
<td>EET 213</td>
<td>Electronics Fundamentals</td>
<td>6</td>
</tr>
<tr>
<td>EET 224</td>
<td>Industrial Electronics</td>
<td>4</td>
</tr>
<tr>
<td>EET 228</td>
<td>PLC Automation and Solar Monitoring</td>
<td>4</td>
</tr>
<tr>
<td>EET 267</td>
<td>Power Systems and Rotating Electrical Machinery</td>
<td>4</td>
</tr>
<tr>
<td>EET 119</td>
<td>State Electrician Trainee Topics</td>
<td>2</td>
</tr>
</tbody>
</table>

CERTIFICATE PROGRAM

Electronics and State Electrician Certification Program - C.A. Certificate

Required Courses (38 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTCH 163</td>
<td>Construction Management</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 169</td>
<td>Residential Wiring</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 181</td>
<td>National Electrical Code</td>
<td>3</td>
</tr>
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<td>CTCH 183</td>
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<td>4</td>
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<tr>
<td>EET 213</td>
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<td>6</td>
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<td>PLC Automation and Solar Monitoring</td>
<td>4</td>
</tr>
<tr>
<td>EET 267</td>
<td>Power Systems and Rotating Electrical Machinery</td>
<td>4</td>
</tr>
<tr>
<td>EET 119</td>
<td>State Electrician Trainee Topics</td>
<td>2</td>
</tr>
<tr>
<td>MATH 127</td>
<td>Intermediate Algebra</td>
<td>5</td>
</tr>
</tbody>
</table>

CERTIFICATE PROGRAM

Power And Instrumentation Certificate - C.S. Certificate

Required Courses (16 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET 227</td>
<td>Fluid and Pneumatic Technology</td>
<td>4</td>
</tr>
<tr>
<td>EET 228</td>
<td>PLC Automation and Solar Monitoring</td>
<td>4</td>
</tr>
<tr>
<td>EET 257</td>
<td>Computer Instrumentation and Control</td>
<td>4</td>
</tr>
<tr>
<td>EET 267</td>
<td>Power Systems and Rotating Electrical Machinery</td>
<td>4</td>
</tr>
</tbody>
</table>
EMERGENCY MEDICAL SERVICES

DEGREES, CERTIFICATES & AWARDS

- Certificate of Achievement (C.A.)
- Certificate of Specialization (C.S.)

DESCRIPTION
The Emergency Medical Services Program (EMS) trains students for Emergency Medical Technician (EMT) certification and for Paramedic licensure. EMT Refresher courses and Hazardous Materials, First Responder courses are also offered. Students are taught the fundamental principles and skills required to provide emergency medical care for the sick and injured at the scene of an emergency and/or during transport to a healthcare facility. Our training program prepares the paramedic graduate to function as a beginning practitioner according to national standards. Hands-on clinical and field internship experience is part of the training.

CERTIFICATE PROGRAMS
The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

EMT:
- Emergency Medical Technician on an ambulance
- Emergency Department Technician in a hospital
- Many other service oriented jobs often require EMT certification, such as: fire fighters, park rangers, life guards and public safety officers

Paramedic:
- Paramedic on an ambulance
- Fire Fighter, Paramedic
- Flight Medic
- Education - Instructor, Director, Administrator

TRANSFER PREPARATION
Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

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www.cuesta.edu/student/aboutmoney/finaid

CAREER OPPORTUNITIES

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Paramedic Program
Admission Requirements
The Paramedic Program prepares graduates to take the Paramedic National Registry Licensure Examination (NREMTP) leading to licensure as a California Paramedic.

The Central Coast Paramedic Program at Cuesta College initially became accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) and earned approval by the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP) on July 25, 2008. Our program is due for accreditation renewal in 2018.

Students interested in applying to the Paramedic Program are strongly urged to consult an academic counselor prior to registering in prerequisite coursework.

All persons who meet Cuesta College’s admission requirements, additional pre-paramedic program admission criteria, and submit a paramedic program application are eligible for admission into the program.

Eligible applicants are admitted into the paramedic program by random selection from a pool of qualified applicants. The year long program starts once a year in the fall.

Entrance requirements are subject to change. For most current information please refer to the Nursing and Allied Health Division webpage at http://academic.cuesta.edu/nursing.

2013 - 2014 Paramedic Program Admission requirements include:

- Biology 212* (Human Biology, lab portion not required)
- English 156** (College Reading and Writing)**
- Math 123** (Elementary Algebra)**
- High School Diploma (transcript with date of completion posted) or GED
- Current County EMT certification
- Current Healthcare Provider or Professional Rescuer CPR certification
- EMT Work Experience - Can be satisfied in one of the following ways:
  - 6 months full-time Emergency Medical Technician experience with an Emergency Medical Service provider. OR
  - 1,000 hours of part-time and/or volunteer Emergency Medical Technician experience with an Emergency Medical Service provider. OR
  - Proof of completion of a Community College Emergency Medical Services Academy. Note: Only hours within the past 24 months will be counted towards work verification hours. Fire Academy does not meet this criterion.

* Equivalent courses from other colleges and completion of higher level courses, such as BIO 205 (Anatomy) and BIO 206 (General Human Physiology) are accepted

** Equivalent courses and/or completion of higher level courses, such as English 201A (English Composition) and Math 127 (Intermediate Algebra) are accepted. Student may also choose to take an assessment test in lieu of course completion. English and math assessment test(s), with placement into a higher English or math course, will satisfy the above requirements. Contact Cuesta Assessment Services at 805/546-3951 for more information.

Additionally, admitted students are required to complete a background check, drug screen, physical exam, and provide proof of immunity.
# EMERGENCY MEDICAL SERVICES

## CERTIFICATE PROGRAM

### Paramedic - C.A. Certificate

Adherence to Cuesta College Paramedic Program Student Policies is required at all times for continued participation and progression in the program. All courses must be completed with a minimum grade of "C" to progress, complete the program, and receive the certificate required to take the NREMT-P licensure exam. Conviction of a felony or of any offense substantially related to the qualifications, functions and duties of a licensed paramedic may constitute grounds for denial of licensure.

**Required Courses (39 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 212</td>
<td>Human Biology</td>
<td>3</td>
</tr>
<tr>
<td>EMS 210</td>
<td>Paramedic Theory I</td>
<td>17</td>
</tr>
<tr>
<td>EMS 211</td>
<td>Paramedic Theory II</td>
<td>5</td>
</tr>
<tr>
<td>EMS 211L</td>
<td>Paramedic Skills</td>
<td>1.5</td>
</tr>
<tr>
<td>EMS 212</td>
<td>Paramedic Clinical</td>
<td>3.5</td>
</tr>
<tr>
<td>EMS 213A</td>
<td>Paramedic Internship I</td>
<td>2</td>
</tr>
<tr>
<td>EMS 213B</td>
<td>Paramedic Internship II</td>
<td>8</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Emergency Medical Services Hazardous Materials First Responder Operational - C.S. Certificate

The focus of this course is safety in responding to hazardous materials as an emergency responder. Students who receive an 80% or better on the final exam will receive certification from the Governor's Office of Emergency Services California Specialized Training Institute (CSTI).

**Required Course (1.5 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 103</td>
<td>Hazardous Materials First Responder Operational</td>
<td>1.5</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Emergency Medical Services Technician Refresher - C.S. Certificate

This 24 hour EMT refresher course focuses on reviewing and updating knowledge and skills required to qualify for Emergency Medical Technician-1 recertification in the State of California. Students must possess a current Emergency Medical Technician I county-issued certificate that has not expired for more than two years, and successfully pass the EMS 102 refresher class to receive certification from Cuesta.

**Required Course (1.5 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 102</td>
<td>Emergency Medical Technician - Refresher</td>
<td>1.5</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Emergency Medical Technician - C.S. Certificate

This course is a state-approved Emergency Medical Technician (EMT) course that meets or exceeds the National Emergency Medical Services Education Standards for Emergency Medical Technician 1. It presents the concepts, responsibilities and techniques of basic emergency medical care required to become a certified Emergency Medical Technician 1. Students must receive a "C" or better in the class to receive certification from Cuesta which will qualify him/her to take the NREMT exam.

**Required Course (8.5 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 201</td>
<td>Emergency Medical Technician</td>
<td>8.5</td>
</tr>
<tr>
<td>Year</td>
<td>Fall</td>
<td>Spring</td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------</td>
<td>-------------------------</td>
</tr>
<tr>
<td><strong>PREPARATION</strong></td>
<td>&gt; ENGL 156</td>
<td>&gt; ENGR 248 (E)</td>
</tr>
<tr>
<td></td>
<td>&gt; MATH 127</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt; CHEM 210FL (If not completed in high school)</td>
<td></td>
</tr>
<tr>
<td><strong>First Year</strong></td>
<td>&gt; ENGL 201A</td>
<td>&gt; ENGL 201B or 201C</td>
</tr>
<tr>
<td>FALL</td>
<td>&gt; MATH 242 (?)</td>
<td>&gt; MATH 265A</td>
</tr>
<tr>
<td></td>
<td>&gt; MATH 229 (If completed H.S. geometry) or MATH 231 (If no H.S. geometry)</td>
<td>&gt; CHEM 201B (?)</td>
</tr>
<tr>
<td></td>
<td>&gt; CHEM 201A</td>
<td>&gt; ENGR 226</td>
</tr>
<tr>
<td><strong>Second Year</strong></td>
<td>&gt; MATH 265B</td>
<td>&gt; COMM 201A (CSU only)</td>
</tr>
<tr>
<td>FALL</td>
<td>&gt; PHYS 208A</td>
<td>&gt; MATH 283</td>
</tr>
<tr>
<td></td>
<td>&gt; ENGR 246 and 246L (E)</td>
<td>&gt; PHYS 208B</td>
</tr>
<tr>
<td></td>
<td>&gt; ENGR 210</td>
<td>&gt; ENGR 250</td>
</tr>
<tr>
<td><strong>Second Year</strong></td>
<td>&gt; MATH 287</td>
<td></td>
</tr>
<tr>
<td>SPRING</td>
<td>&gt; ENGR 217 (E)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt; BIO 211</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt; GE</td>
<td></td>
</tr>
<tr>
<td><strong>Third Year</strong></td>
<td>&gt; PHYS 208C (E)</td>
<td></td>
</tr>
<tr>
<td>FALL</td>
<td>&gt; ENGR 251 (E)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt; ENGR 252A and 252B (E)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt; GE</td>
<td></td>
</tr>
</tbody>
</table>

**Additional courses needed for other Engineering Majors**
- Architectural: Elective (Units) ARCH 201; ARCH 221; ARCH 222; ARCH 232; CTCH 201; CTCH 250 GEOL 210
- Biomedical: BIO 201A; CIS 217 OR CIS 231
- Civil: CTCH 201; GEOL 210
- Chemical: CHEM 212A CHEM 212B
- Computer: CIS 231; CIS 232
- Environmental: BIO 204
- Manufacturing or Mechanical: WELD 270A
- Electrical: CIS 231; CIS 241; WELD 270A; ENGR 219

Above chart is subject to change. Please consult with your counselor.
ENGINEERING

DEGREES, CERTIFICATES & AWARDS
• Associate in Science (A.S.)

DESCRIPTION
Cuesta’s Engineering program provides a foundation of mathematics, chemistry and physics courses necessary to transfer to a four-year institution and complete a bachelor’s degree in engineering. Students should consult the institution to which they wish to transfer for specific lower division requirements.

People working in the field of engineering and related technical fields “bridge the gap” between scientific principles and the application of these principles to the needs of society. An engineer uses experience and judgment, as well as advanced training in engineering, science, and mathematics, to formulate ideas and designs, and to determine standards, specifications, work orders and schedules so that projects can be economically beneficial to mankind. Engineering offers diverse and exciting job opportunities for people with mathematical, scientific, and technical skills.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

CAREER OPPORTUNITIES
- Drafters
- Engineering Lab Technician
- Mechanical Designers
- Quality Control Technicians
- Research Technicians
- Surveyors

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

TRANSFER PREPARATION
Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:
- www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine
- www.CSUMentor.org – CSU System Information

FINANCIAL AID
Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs – grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full- and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information:
www.cuesta.edu/student/aboutmoney/finaid
## Engineering

### Associate Degree Program

**Engineering – A.S. Degree**

Completion of this program prepares the students for admission to any college or university in the engineering discipline of their choice. All courses are fully articulated and transferable. All courses listed must be completed with a "C" grade or better.

### Required Courses (42 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 201A</td>
<td>General College Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>ENGR 226</td>
<td>Engineering Drawing I</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 250</td>
<td>Engineering Statics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 265A</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 265B</td>
<td>Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 283</td>
<td>Calculus III: Multivariable Calculus</td>
<td>5</td>
</tr>
<tr>
<td>MATH 287</td>
<td>Linear Analysis</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 208A</td>
<td>Principles of Physics 1</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 208B</td>
<td>Principles of Physics 2</td>
<td>5</td>
</tr>
</tbody>
</table>

Plus 13 credits (of which 9 must be earned at Cuesta) from the following, with a minimum of 3 courses from the Engineering discipline:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 217</td>
<td>&quot;C&quot; Programming Language</td>
<td>3</td>
</tr>
<tr>
<td>CIS 231</td>
<td>Fundamentals of Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CIS 240</td>
<td>Microcomputer Architecture &amp; Programming</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 210</td>
<td>Computational Methods for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 217</td>
<td>Introduction to Electronic Circuit Analysis</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 219</td>
<td>Digital Design</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 246</td>
<td>Materials Engineering</td>
<td>2</td>
</tr>
<tr>
<td>ENGR 246L</td>
<td>Engineering Materials Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGR 248</td>
<td>Introduction to Engineering</td>
<td>1</td>
</tr>
<tr>
<td>ENGR 251</td>
<td>Engineering Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 252A</td>
<td>Strength of Materials I</td>
<td>2</td>
</tr>
<tr>
<td>ENGR 252B</td>
<td>Strength of Materials II</td>
<td>2</td>
</tr>
<tr>
<td>GEOL 210</td>
<td>Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 208C</td>
<td>Modern Physics</td>
<td>4</td>
</tr>
<tr>
<td>WELD 270A</td>
<td>Basic Welding</td>
<td>3</td>
</tr>
</tbody>
</table>
ENGLISH

DEGREES, CERTIFICATES & AWARDS

• Associate in Arts for Transfer (A.A.-T)
• Associate in Arts (A.A.)

DESCRIPTION

English is a discipline that trains students to read carefully and imaginatively, ask probing questions about complex material, and then answer those questions in coherent, persuasive prose—a combination of skills vital to any number of careers. Composition courses in English will provide the necessary skills to complete reading and writing tasks for students headed for the job market and for students transferring to four year institutions. Literature courses will equip students with the skills to engage the great works of the human imagination, reason complexly about those works, and respond in clear, organized, and compelling prose.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

CAREER OPPORTUNITIES

- Advertising Person
- Advertising Researcher
- Arts Program Administrator
- Business Administrator
- Civil Servant
- Columnist/Journalist
- Contract Specialist
- Creative
- Diplomat
- Drama/Film Critic
- Editor/Evaluator
- Film/TV Scriptwriter
- Information Specialist
- Insurance Examiner
- Interpreter
- Journalist
- Lawyer
- Legislative Assistant
- Lexicographer
- Librarian
- Manager
- Methods Analyst
- Program Developer
- Public Relations
- Publisher
- Researcher
- Teacher
- Technical Writer
- Writer
- Writing Consultant

Transfer Preparation

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:

www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine

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FINANCIAL AID

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www.cuesta.edu/student/aboutmoney/finaid
# ENGLISH

## ASSOCIATE DEGREE FOR TRANSFER PROGRAM

**English – A.A.-T Degree for Transfer**

**Required Core (4 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 201B</td>
<td>Composition: Introduction to Literature/Critical Thinking</td>
<td>4</td>
</tr>
</tbody>
</table>

**List A: Select two courses (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 212A</td>
<td>American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 212B</td>
<td>American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 246A</td>
<td>Survey of British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 246B</td>
<td>Survey of British Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

**List B: Select two courses or any course from List A not already used (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 205</td>
<td>Introduction to Poetry</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 206</td>
<td>Introduction to the Novel</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 213</td>
<td>Multicultural Voices in American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 215</td>
<td>Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 216</td>
<td>Literature and Film</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 217</td>
<td>Literature by Women</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 231</td>
<td>Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 244A</td>
<td>European Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 244B</td>
<td>European Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

**List C: Select two courses or any course from List A not already used (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 201C</td>
<td>English Composition: Critical Thinking</td>
<td>4</td>
</tr>
<tr>
<td>JOUR 201A</td>
<td>News Writing and Reporting</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 201B</td>
<td>Introduction to Mass Communication</td>
<td>3</td>
</tr>
<tr>
<td>BUS 227</td>
<td>Business Communications</td>
<td>4</td>
</tr>
<tr>
<td>ECE 234</td>
<td>Children’s Literature</td>
<td>3</td>
</tr>
<tr>
<td>Any transferable language course</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>DRA 207</td>
<td>Introduction to Theatre</td>
<td>3</td>
</tr>
</tbody>
</table>

"P" (Pass) grade is not acceptable for major coursework in the Associate Degrees for Transfer.

In addition to major preparation coursework listed above, completion of the CSU GE or IGETC pattern is mandatory. Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.

## ASSOCIATE DEGREE PROGRAM

**English – A.A. Degree**

**Required Course (8 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 201A</td>
<td>English Composition</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 201B</td>
<td>English Composition: Introduction to Literature</td>
<td>4</td>
</tr>
<tr>
<td>or ENGL 201C</td>
<td>English Composition: Critical Thinking</td>
<td>4</td>
</tr>
</tbody>
</table>

**Plus 12 credits from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 205</td>
<td>Introduction to Poetry</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 206</td>
<td>Introduction to the Novel</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 212A</td>
<td>American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 212B</td>
<td>American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 213</td>
<td>Multicultural Voices in American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 215</td>
<td>Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 216</td>
<td>Literature and Film</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 217</td>
<td>Literature by Women</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 231</td>
<td>Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 237</td>
<td>Introduction to Film Studies and Aesthetics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 244A</td>
<td>European Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 244B</td>
<td>European Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 246A</td>
<td>Survey of British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 246B</td>
<td>Survey of British Literature</td>
<td>3</td>
</tr>
</tbody>
</table>
ENGLISH AS A SECOND LANGUAGE

DEGREES, CERTIFICATES & AWARDS
• Certificate of Specialization (C.S.)

DESCRIPTION
English as a Second Language (ESL) is a discipline that focuses on language instruction for speakers of other languages in reading, writing, grammar, speaking and listening. Beginning level classes offer foundational instruction in English language skills, and the intermediate to advanced courses prepare students for degree-applicable English and other mainstream college coursework. The ESL program helps students develop and improve their English language skills so that they may achieve their academic, professional, and personal goals as well as participate more effectively in the their communities. Students who successfully complete a designated sequence of courses within the program can be eligible for the Intermediate and/or the Advanced Certificate of Specialization in ESL.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

TRANSFER PREPARATION
Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:
www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine
www.CSUMentor.org – CSU System Information

FINANCIAL AID
Financial aid is not available for this certificate.
ENGLISH AS A SECOND LANGUAGE

CERTIFICATE PROGRAM

English As A Second Language Intermediate - C.S. Certificate

Required Course (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL 043</td>
<td>Intermediate Grammar</td>
<td>3</td>
</tr>
<tr>
<td>ESL 053</td>
<td>Intermediate Reading and Writing</td>
<td>6</td>
</tr>
</tbody>
</table>

Plus 2 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL 025A</td>
<td>Intermediate Level Conversation</td>
<td>2</td>
</tr>
<tr>
<td>ESL 025B</td>
<td>Intermediate Level Conversation</td>
<td>2</td>
</tr>
<tr>
<td>ESL 025C</td>
<td>Intermediate Level Conversation</td>
<td>2</td>
</tr>
</tbody>
</table>

CERTIFICATE PROGRAM

English As A Second Language Advanced - C.S. Certificate

Required Course (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL 044</td>
<td>High-Intermediate Grammar</td>
<td>3</td>
</tr>
<tr>
<td>ESL 054</td>
<td>High-Intermediate Reading and Writing</td>
<td>6</td>
</tr>
<tr>
<td>ESL 099E</td>
<td>Advanced Reading and Writing</td>
<td>6</td>
</tr>
</tbody>
</table>

Plus 2 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL 035A</td>
<td>Advanced Level Conversation</td>
<td>2</td>
</tr>
<tr>
<td>ESL 035B</td>
<td>Advanced Level Conversation</td>
<td>2</td>
</tr>
<tr>
<td>ESL 035C</td>
<td>Advanced Level Conversation</td>
<td>2</td>
</tr>
</tbody>
</table>
FAMILY STUDIES/HUMAN SERVICES

DEGREES, CERTIFICATES & AWARDS

Associate in Science (A.S.)
Certificate of Achievement (C.A.)

DESCRIPTION
The Family Studies/Human Services Department offers an interdisciplinary degree concentrating in psycho-social development across the life span, emphasizing personal identity and the family system. The degree is designed to benefit the student who wishes to pursue a career in the social and behavioral sciences field, such as social work, clinical psychology and crisis management; as well as benefit the student seeking to acquire a deeper understanding of human development and adjustment. Additionally, the Family Studies/Human Services Department offers an Addiction Studies Certification of Specialization designed to prepare students to serve as professionals in the growing field of chemical and behavioral addiction counseling. Cuesta College is an accredited California Association for Alcohol/Drug Educators (CAADE) program. This credential will help students obtain jobs in social service agencies, treatment programs, recovery homes, schools, DEA, and law enforcement. Lastly, the Family Studies/Human Services course offerings prepare students for transfer to institutions providing higher degrees in the social and behavioral sciences.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

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CAREER OPPORTUNITIES

- Advocate
- Alcohol/Drug Counselor
- Case Management
- Crisis Worker
- Developmental Disabilities technician
- Gerontology Activities Director
- Gerontology Case Worker
- Gerontology Counselor
- Group Home/Halfway House Manager
- Parent Educator
- Volunteer Coordination: Non Profits
- Youth Development Worker

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

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**FAMILY STUDIES/HUMAN SERVICES**

**ASSOCIATE DEGREE PROGRAM**

**Family Studies/Human Services – A.S. Degree**

Students transferring to four-year colleges or universities are urged to include Psychology 201 and Sociology 201A as part of their General Education/Breadth requirements.

**Required Courses (27 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMST 202</td>
<td>The Child, Family and Community</td>
<td>3</td>
</tr>
<tr>
<td>FMST 205</td>
<td>Life Management</td>
<td>3</td>
</tr>
<tr>
<td>FMST 210</td>
<td>Introduction to Human Services</td>
<td>3</td>
</tr>
<tr>
<td>FMST 212</td>
<td>Human Development: Life Span</td>
<td>3</td>
</tr>
<tr>
<td>or FMST 220</td>
<td>Aging in the 21st Century: Social Gerontology</td>
<td>3</td>
</tr>
<tr>
<td>FMST 213</td>
<td>Ethnic Identity Development Across the Life Span</td>
<td>3</td>
</tr>
<tr>
<td>FMST 214</td>
<td>Family, Relationships and Intimacy</td>
<td>3</td>
</tr>
<tr>
<td>FMST 215</td>
<td>Developmental Patterns of Women</td>
<td>3</td>
</tr>
<tr>
<td>FMST 216</td>
<td>Parenting</td>
<td>3</td>
</tr>
<tr>
<td>FMST 218</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
</tbody>
</table>

**Plus 6 credits from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMST 212*</td>
<td>Human Development: Life Span</td>
<td>3</td>
</tr>
<tr>
<td>or FMST 220*</td>
<td>Aging in the 21st Century: Social Gerontology</td>
<td>3</td>
</tr>
<tr>
<td>FMST 270</td>
<td>Introduction to Addiction Studies: Addiction and the Community</td>
<td>3</td>
</tr>
<tr>
<td>FMST 271</td>
<td>Group Process and Practice</td>
<td>3</td>
</tr>
<tr>
<td>FMST 272</td>
<td>Drug Prevention and Education</td>
<td>3</td>
</tr>
<tr>
<td>FMST 278</td>
<td>Families and Addiction</td>
<td>3</td>
</tr>
<tr>
<td>FMST 280</td>
<td>Basic Interviewing and Counseling</td>
<td>3</td>
</tr>
<tr>
<td>FMST 288</td>
<td>Addiction Studies Fieldwork &amp; Seminar</td>
<td>7</td>
</tr>
<tr>
<td>LDER 253</td>
<td>Peer Counseling</td>
<td>2</td>
</tr>
<tr>
<td>or LDER 255</td>
<td>Community Internship</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201A</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 206</td>
<td>Minority Group Relations</td>
<td>3</td>
</tr>
<tr>
<td>WEXP 252/252L</td>
<td>Cooperative Work Experience – Occupational</td>
<td>1-4</td>
</tr>
</tbody>
</table>

* If not used for required credits

---

**CERTIFICATE PROGRAM**

**Addiction Studies - C.S. Certificate**

**Required Courses (15 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMST 270</td>
<td>Introduction to Addiction Studies: Addiction &amp; the Community</td>
<td>3</td>
</tr>
<tr>
<td>FMST 272</td>
<td>Drug Prevention and Education</td>
<td>3</td>
</tr>
<tr>
<td>FMST 278</td>
<td>Families and Addiction</td>
<td>3</td>
</tr>
<tr>
<td>FMST 279</td>
<td>Treatment and Case Management</td>
<td>3</td>
</tr>
<tr>
<td>HEED 206</td>
<td>Health Aspects of Drug Use</td>
<td>3</td>
</tr>
</tbody>
</table>

---

**CERTIFICATE PROGRAM**

**Addiction Studies Fieldwork - C.S. Certificate**

**Required Courses (7 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMST 288</td>
<td>Addiction Studies Fieldwork and Seminar</td>
<td>7</td>
</tr>
</tbody>
</table>
GEOLOGY

DEGREES, CERTIFICATES & AWARDS

• Associate in Science for Transfer (A.S.-T)
• Associate in Science (A.S.)

DESCRIPTION

The Cuesta College Earth and Ocean Science Program involves the study of the solid earth, ocean and atmosphere. It is the branch of science that investigates diverse geologic processes, including rock and mineral formation, tectonic and volcanic processes, and landform and seafloor development. In addition, the examination of the origins and evolution of life through the study of fossils (paleontology) and the assessment of economically important mineral deposits, fossil fuels, and geologic hazards are integral to the discipline. The chemistry and physics of the ocean and atmosphere are examined for their impact on the distribution of marine sediments, ocean circulation, weather and global climate patterns. Specific course topics fulfill the lower division requirements for majors in geology, geophysics, civil engineering, construction management, and environmental science. Students can earn an A.S. degree in Geology at Cuesta College, preparing them for transfer to four-year institutions or for employment in technical careers.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

CAREER OPPORTUNITIES

- Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary
- Geoscientists, Except Hydrologists and Geographers
- Hydrologists
- Natural Sciences Managers
- Water Resource Specialists

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:

www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine

www.CSUMentor.org – CSU System Information

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs – grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full- and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information:

www.cuesta.edu/student/aboutmoney/finaid
GEOLOGY

ASSOCIATE DEGREE FOR TRANSFER PROGRAM

Geology – A.S.-T Degree for Transfer

Required Core (28 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 210</td>
<td>Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 211</td>
<td>Historical Geology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 201A</td>
<td>General College Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 201B</td>
<td>General College Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 265A</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 265B</td>
<td>Calculus II</td>
<td>5</td>
</tr>
</tbody>
</table>

“P” (Pass) grade is not acceptable for major coursework in the Associate Degrees for Transfer.

In addition to major preparation course work listed above, completion of the CSU GE or IGETC pattern is mandatory. Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.

ASSOCIATE DEGREE PROGRAM

Geology – A.S. Degree

Required Courses (16 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 210</td>
<td>Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 220</td>
<td>Geology of California</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 212</td>
<td>Geologic Hazards, Man, and the Environment</td>
<td>3</td>
</tr>
<tr>
<td>or GEOL 225</td>
<td>Introduction to Geographic Information Systems</td>
<td>(3)</td>
</tr>
<tr>
<td>GEOL 229A</td>
<td>Geological Science Field Studies</td>
<td>1</td>
</tr>
<tr>
<td>GEOL 229B</td>
<td>Geological Science Field Studies</td>
<td>1</td>
</tr>
<tr>
<td>OCEN 210</td>
<td>Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>OCEN 210L</td>
<td>Oceanography Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

Plus 10 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 201A</td>
<td>General College Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 201B</td>
<td>General College Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 265A</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 265B</td>
<td>Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 208A</td>
<td>Principles of Physics I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 208B</td>
<td>Principles of Physics II</td>
<td>5</td>
</tr>
</tbody>
</table>
HISTORY

DEGREES, CERTIFICATES & AWARDS
• Associate in Arts for Transfer (A.A.-T)
• Associate in Arts (A.A.)

DESCRIPTION
History is the study of all human experience. It examines the people, institutions, ideas, and events of the past. The study of history contributes to cultural literacy, global awareness, and develops critical thinking skills, while helping students understand the present. Historical study provides a solid, fundamental preparation for careers in education, government, and business. It also serves as excellent preparation for law school, the diplomatic service, international work, urban affairs, and library science. History is an academic discipline offering both breadth and focus. History graduates will find that their critical and analytical thinking skills prepare them for a wide variety of employment opportunities.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

TRANSFER PREPARATION
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www.cuesta.edu/student/aboutmoney/finaid

CAREER OPPORTUNITIES
- Archivist
- Businessperson
- Communications
- Consultant
- Foreign Service
- Historian
- Historical Societies
- Journalist
- Librarian
- Market Research
- Museum Curator
- Pre-Law/Lawyer
- Researcher/Research Analyst
- State Park Historian
- Teacher
- Travel
- Writer

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html
## HISTORY

### ASSOCIATE DEGREE FOR TRANSFER PROGRAM

**History – A.A.-T Degree for Transfer**

**Required Core (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 207A</td>
<td>History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>HIST 207B</td>
<td>History of the United States</td>
<td>3</td>
</tr>
</tbody>
</table>

**List A (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 203A</td>
<td>History of World Civilizations</td>
<td>3</td>
</tr>
<tr>
<td>and HIST 203B</td>
<td>History of World Civilizations</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 204A</td>
<td>History of Western Civilization</td>
<td>(3)</td>
</tr>
<tr>
<td>and HIST 204B</td>
<td>History of Western Civilization</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**List B, Group 1 (3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 212</td>
<td>History of Mexican Americans</td>
<td>3</td>
</tr>
<tr>
<td>HIST 233</td>
<td>History of African Americans</td>
<td>3</td>
</tr>
<tr>
<td>HIST 237</td>
<td>History of American Women</td>
<td>3</td>
</tr>
<tr>
<td>HIST 239</td>
<td>History of the Role of Women</td>
<td>3</td>
</tr>
<tr>
<td>HIST 203A</td>
<td>History of World Civilizations</td>
<td>3</td>
</tr>
<tr>
<td>HIST 203B</td>
<td>History of World Civilizations</td>
<td>3</td>
</tr>
</tbody>
</table>

If not used in List A History 203A or 203B may be used in List B.

**List B, Group 2 (3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 210</td>
<td>History of California</td>
<td>3</td>
</tr>
<tr>
<td>HIST 260</td>
<td>History of the San Simeon Region</td>
<td>3</td>
</tr>
<tr>
<td>POLS 201</td>
<td>Introduction to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POLS 202</td>
<td>Government and Politics of the United States</td>
<td>3</td>
</tr>
<tr>
<td>POLS 204</td>
<td>World Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 206</td>
<td>Comparative Government</td>
<td>3</td>
</tr>
</tbody>
</table>

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## HISTORY

**ASSOCIATE DEGREE PROGRAM**

**History – A.A. Degree**

**Required Courses (12 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 203A</td>
<td>History of World Civilizations</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 203B</td>
<td>History of World Civilizations</td>
<td>(3)</td>
</tr>
<tr>
<td>or HIST 208A</td>
<td>History of Latin America</td>
<td>(3)</td>
</tr>
<tr>
<td>or HIST 208B</td>
<td>History of Latin America</td>
<td>(3)</td>
</tr>
<tr>
<td>or HIST 219</td>
<td>History of the Far East</td>
<td>(3)</td>
</tr>
<tr>
<td>or HIST 235</td>
<td>History of African Civilization</td>
<td>(3)</td>
</tr>
<tr>
<td>HIST 204A</td>
<td>History of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 204B</td>
<td>History of Western Civilization</td>
<td>(3)</td>
</tr>
<tr>
<td>HIST 207A</td>
<td>History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 207B</td>
<td>History of the United States</td>
<td>(3)</td>
</tr>
<tr>
<td>POLS 204</td>
<td>World Politics</td>
<td>3</td>
</tr>
<tr>
<td>or POLS 206</td>
<td>Comparative Government</td>
<td>(3)</td>
</tr>
<tr>
<td>or POLS 209</td>
<td>Introduction to Political Theory</td>
<td>(3)</td>
</tr>
</tbody>
</table>

Plus 9 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>HIST 203A*</td>
<td>History of World Civilizations</td>
<td>3</td>
</tr>
<tr>
<td>HIST 203B*</td>
<td>History of World Civilizations</td>
<td>3</td>
</tr>
<tr>
<td>HIST 204A*</td>
<td>History of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 204B*</td>
<td>History of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 207A*</td>
<td>History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>HIST 207B*</td>
<td>History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>HIST 208A*</td>
<td>History of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 208B*</td>
<td>History of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 210</td>
<td>History of California</td>
<td>3</td>
</tr>
<tr>
<td>HIST 212</td>
<td>History of the Mexican-American</td>
<td>3</td>
</tr>
<tr>
<td>HIST 219*</td>
<td>History of the Far East</td>
<td>3</td>
</tr>
<tr>
<td>HIST 233</td>
<td>History of the Afro-American</td>
<td>3</td>
</tr>
<tr>
<td>HIST 235*</td>
<td>History of African Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 239</td>
<td>History of the Role of Woman</td>
<td>3</td>
</tr>
<tr>
<td>HIST 260</td>
<td>History of the San Simeon Region</td>
<td>3</td>
</tr>
</tbody>
</table>

* If not used for required credits.
INTERNATIONAL STUDIES

DEGREES, CERTIFICATES & AWARDS
• Associate in Arts (A.A.)

DESCRIPTION
The A.A. degree in International Studies prepares transfer students for a major or minor in international relations / global studies. Majors acquire knowledge and skills from a variety of disciplines, such as Anthropology, Geography, Political Science, Economics and Modern Languages. Students learn how culture affects behavior, ideology, and institutions and they develop insight into their own language and culture. Employment opportunities for International Studies majors exist in business (trade, finance), electronic and print media, federal and state government agencies, non-profit international organizations (U.N., Red Cross, etc.), and other organizations involved in international or transnational affairs.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
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CAREER OPPORTUNITIES

- Administrative/Legislative Aide
- Business/Financial Consultant
- Community Development: Economic Development
- Foreign Service
- Global Account Coordinator
- Global Finance Manager
- Import/Export Specialist
- International Marketing/Trade Specialist
- Peace Corps Volunteer

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# INTERNATIONAL STUDIES

## ASSOCIATE DEGREE PROGRAM

### International Studies – A.A. Degree

#### Required Courses (28 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 203</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 202</td>
<td>Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>POLS 204</td>
<td>World Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 206</td>
<td>Comparative Government</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201B</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>2 semester</td>
<td>Foreign Language (French, German, Spanish)</td>
<td>10</td>
</tr>
</tbody>
</table>
JOURNALISM

DEGREES, CERTIFICATES & AWARDS
• Associate in Arts for Transfer (A.A.-T)
• Associate in Arts (A.A.)

DESCRIPTION
The journalism program is for students who want an overview of mass media and practical training in how to report, write, edit and produce multimedia content for publication. Courses emphasize writing for print, broadcast and online publications, as well as using social media and modern technology to communicate with the public. Students who obtain a degree in journalism will have the foundation to pursue careers as writers, editors, photojournalists, designers, multimedia developers and public relations practitioners.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

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CAREER OPPORTUNITIES
Broadcast Journalist
Copy Editor
Columnist
Correspondent
Disc Jockey
Editorial Writer
Legislative Assistant
Magazine Editors
Magazine Writer
News Director
News Producer
Press Relations Officer
Public Affairs Manager
Public Information Specialist
Reporter
Speech Writer
Technical Writer/Editor

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http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html
ASSOCIATE DEGREE FOR TRANSFER PROGRAM

Journalism – A.A.-T Degree for Transfer

Required Core (10 credits)

JOUR 201A  News Writing and Reporting  3
and JOUR 201B Introduction to Mass Communications  3
and JOUR 202A Introduction to News Production  4

List A: Select one course (3-4 credits)

JOUR 205  Multimedia Journalism  3
or JOUR 202B  News Production  (4)

List B: Select two courses (6-8 credits)

ART 244  Photography I  3
MATH 236  Introduction to Applied Statistics  3
or MATH 247  Introduction to Statistics  (4)
ECON 201B  Principles of Economics  3
or ECON 201A  Principles of Economics  (3)
POLS 202  Government and Politics of the United States  3
POLS 206  Comparative Government  3
ENGL 201C  English Composition: Critical Thinking  4
PHIL 208  Introduction to Logic  3
COMM 215  Argumentation and Debate  3

“P” (Pass) grade is not acceptable for major coursework in the Associate Degrees for Transfer.

In addition to major preparation coursework listed above, completion of the CSU GE or IGETC pattern is mandatory.

Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.

ASSOCIATE DEGREE PROGRAM

Journalism – A.A. Degree

Required Courses (25 credits)

ENGL 201A  English Composition  4
JOUR 201A  News Writing and Reporting  3
JOUR 201B  Introduction to Mass Communication  3
JOUR 202A  Introduction to News Production  4
JOUR 202B  News Production  4
JOUR 202C  News Production  4
ART 244  Photography I  3
or ART 245  Photography II  (3)

Plus 3 credits from the following:

BCST 221  Introduction to Broadcasting  3
BCST 226  Writing for Electronic Media  3
COMM 201A  Public Address  3
KINESIOLOGY

DEGREES, CERTIFICATES & AWARDS
- Associate in Arts for Transfer (A.A.-T)
- Associate in Science (A.A.)
- Certificate of Specialization (C.S.)

DESCRIPTION
The Kinesiology Program is designed for students wishing to transfer to any four year institution. Courses are designed to provide the opportunity for students to develop a solid academic foundation in the human movement and sciences areas with a focus on career goals such as physical therapy, athletic training, teaching physical education in the K-12 setting, coaching, and health/wellness promotion. The Health Science Program is designed to provide students with opportunities to acquire the knowledge, skills and abilities that are essential for competency and success in the health promotion, prevention, and/or educational fields as well as prepare students for upper division baccalaureate work in Health Science. The Exercise Science Program is designed to provide students with opportunities to acquire the knowledge, skills and abilities that are essential for competency and success in the commercial and corporate fitness industries, as well as prepare students for upper division baccalaureate work in Exercise Science or Kinesiology. Coursework prepares students to pass the national exams for certifications such as: American College of Sports Medicine’s Group Exercise Leader (GEL) certification, American Council on Exercise (ACE) Group Exercise Leader certification, and the National Academy of Sports Medicine (NASM) Personal Training certification.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

TRANSFER PREPARATION
Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:
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# KINESIOLOGY

## ASSOCIATE DEGREE FOR TRANSFER PROGRAM

### Kinesiology – A.A.-T Degree for Transfer

**Required Core (12 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINE 201</td>
<td>Introduction to Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 205</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIO 206</td>
<td>General Human Physiology</td>
<td>5</td>
</tr>
</tbody>
</table>

**Movement Based Courses - Select one course from three of the following areas for a minimum of 3 credits:**

- **Aquatics**
  - KINA 293 Swimming Techniques 0.5-1
  - KINA 294 Lap Swimming 0.5-1
- **Combatives**
  - KINA 217 Kickboxing for Fitness 0.5-1
- **Fitness**
  - KINA 201 Weight Training 0.5-1
  - KINA 212 Cardio Step Training 1
  - KINA 234 Cross Fitness Training 0.5-1
  - KINA 246 Yoga for Fitness 0.5-1
- **Individual Sports**
  - KINA 237 Tennis for Lifetime Fitness 0.5-1
  - KINA 238 Golf 0.5-1
- **Team Sports**
  - KINA 256 Volleyball Techniques 0.5-1
  - KINA 261 Soccer 0.5-1
  - KINA 271 Basketball Techniques 0.5-1
  - KINA 272 Fundamentals of Basketball 1
  - KINA 277 Basketball Techniques and Applications 0.5-1
  - KINA 281 Softball Fundamentals 0.5-1

**Athletics (ATHL) cannot be used towards Major requirements.**

### List A: Select two courses (minimum 6 credits) from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 236</td>
<td>Introduction to Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 247</td>
<td>Introduction to Statistics</td>
<td>(4)</td>
</tr>
<tr>
<td>BIO 212*</td>
<td>Human Biology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 201A</td>
<td>General College Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 205A</td>
<td>General Physics</td>
<td>4</td>
</tr>
<tr>
<td>or PHYS 208A</td>
<td>Principles of Physics 1</td>
<td>(5)</td>
</tr>
<tr>
<td>HEED 204</td>
<td>Standard First Aid and CPR</td>
<td>3</td>
</tr>
</tbody>
</table>

*“P” (Pass) grade is not acceptable for major coursework in the Associate Degrees for Transfer.*

**In addition to major preparation course work listed above, completion of the CSU GE or IGETC pattern is mandatory. Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.**
ASSOCIATE DEGREE PROGRAM

**Exercise Science – A.A. Degree**

Required Courses (23-24 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINE 201</td>
<td>Introduction to Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>KINE 214</td>
<td>Foundations for Fitness</td>
<td>3</td>
</tr>
<tr>
<td>KINE 202</td>
<td>Principles of Coaching</td>
<td>3</td>
</tr>
<tr>
<td>or KINE 213</td>
<td>Introduction to Prevention and Care of Athletic Injuries</td>
<td>(3)</td>
</tr>
<tr>
<td>KINE 218</td>
<td>Group Exercise Leadership</td>
<td>3</td>
</tr>
<tr>
<td>or KINE 224</td>
<td>Personal Training Certification</td>
<td>(3)</td>
</tr>
<tr>
<td>REC 203</td>
<td>Intramural and Recreational Sport Programming</td>
<td>3</td>
</tr>
<tr>
<td>or REC 206</td>
<td>Introduction to Therapeutic Recreation</td>
<td>(3)</td>
</tr>
<tr>
<td>BIO 205</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>or BIO 212</td>
<td>Human Biology</td>
<td>(3)</td>
</tr>
<tr>
<td>NUTR 210</td>
<td>Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>or NUTR 230</td>
<td>Nutrition for Fitness and Sport</td>
<td>(3)</td>
</tr>
<tr>
<td>2 credits from Kinesiology Activity, Adaptive PE or Athletics</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

ASSOCIATE DEGREE PROGRAM

**Health Science – A.A. Degree**

Required Courses (24-26 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEED 202</td>
<td>Health Education</td>
<td>3</td>
</tr>
<tr>
<td>HEED 203</td>
<td>Women’s Health Issues</td>
<td>3</td>
</tr>
<tr>
<td>or HEED 208</td>
<td>Multicultural Health</td>
<td>(3)</td>
</tr>
<tr>
<td>HEED 206</td>
<td>Health Aspects of Drug Use</td>
<td>3</td>
</tr>
<tr>
<td>HEED 210</td>
<td>Community Health</td>
<td>3</td>
</tr>
<tr>
<td>REC 206</td>
<td>Introduction to Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 204</td>
<td>Recreation Program Planning</td>
<td>3</td>
</tr>
<tr>
<td>BIO 212</td>
<td>Human Biology</td>
<td>3</td>
</tr>
<tr>
<td>or BIO 206</td>
<td>General Human Physiology</td>
<td>(5)</td>
</tr>
<tr>
<td>MATH 236</td>
<td>Introduction to Applied Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>
# KINESIOLOGY

## CERTIFICATE PROGRAM

### Personal Training - C.S. Certificate

**Required Courses (19 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 205</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>NUTR 230</td>
<td>Nutrition for Fitness and Sports</td>
<td>3</td>
</tr>
<tr>
<td>KINE 213</td>
<td>Introduction to Prevention and Care of Athletic Injuries</td>
<td>3</td>
</tr>
<tr>
<td>KINE 214</td>
<td>Foundations for Fitness</td>
<td>3</td>
</tr>
<tr>
<td>KINE 218</td>
<td>Group Exercise Leadership</td>
<td>3</td>
</tr>
<tr>
<td>KINE 224</td>
<td>Personal Training Certification</td>
<td>3</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Coaching - C.S. Certificate

**Required Courses (9 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINE 202</td>
<td>Principles of Coaching</td>
<td>3</td>
</tr>
<tr>
<td>REC 203</td>
<td>Intramural and Recreational Sport Programming</td>
<td>3</td>
</tr>
<tr>
<td>KINE 213</td>
<td>Introduction to Prevention and Care of Athletic Injuries</td>
<td>3</td>
</tr>
</tbody>
</table>
LEGAL STUDIES

DEGREES, CERTIFICATES & AWARDS

• Associate in Arts (A.A.)

DESCRIPTION

The Legal Studies Degree Program seeks to introduce the student to the field of legal studies along with its connection to and influence over closely related areas in the social sciences and business. The Legal Studies Degree Program emphasizes not only the nature of law and legal institutions, but the impact law and legal institutions have on politics, government, business, economics, different social groups, and society as a whole.

The Legal Studies Degree Program is designed to be an interdisciplinary program where the student, along with acquiring an introduction to the field of legal studies, may choose between the Legal Studies Business Emphasis Associate of Arts (AA) degree and the Legal Studies Social Science Emphasis Associate of Arts (AA) degree. Required and elective units in either the Business Emphasis path or the Social Science Emphasis path must be successfully completed along with the general education coursework required by Cuesta College in order to receive a Legal Studies AA degree from Cuesta College.

The Legal Studies Degree Program is designed for students wishing to transfer into four-year college degree programs by satisfying lower division requirements for transfer to baccalaureate programs in business administration, business economics, business law, management, managerial economics, pre-law, law and society, legal studies, or political science programs. A legal studies degree is also an excellent first step for students considering law school or other post-baccalaureate programs in the social sciences or business.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

CAREER OPPORTUNITIES

- Banking
- Corporate Legal Departments
- Finance
- Government
- Insurance
- Law Offices
- Other Legal Service Providers
- Politics
- Real Estate
- Politics
- Real Estate

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TRANSFER PREPARATION

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**LEGAL STUDIES**

**ASSOCIATE DEGREE PROGRAM**

**Legal Studies: Business Option – A.A. Degree**

**Required Courses (13 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 218</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>LGL 217</td>
<td>Introduction to Law</td>
<td>3</td>
</tr>
<tr>
<td>POLS 202</td>
<td>Government and Politics of the United States</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 12-14 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 201A</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 201B</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 245</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201B</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 247</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MATH 255</td>
<td>Calculus for Business and Management</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 206</td>
<td>Business Organizations</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 220</td>
<td>Legal Research and Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

---

**ASSOCIATE DEGREE PROGRAM**

**Legal Studies: Social Science Option – A.A. Degree**

**Required Courses (13 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 218</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>LGL 217</td>
<td>Introduction to Law</td>
<td>3</td>
</tr>
<tr>
<td>POLS 202</td>
<td>Government and Politics of the United States</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201A</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 12 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 203</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201B</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 201</td>
<td>Introduction to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POLS 206</td>
<td>Comparative Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 209</td>
<td>Introduction to Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>HIST 204A</td>
<td>History of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 204B</td>
<td>History of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 207A</td>
<td>History of United States</td>
<td>3</td>
</tr>
<tr>
<td>HIST 207B</td>
<td>History of United States</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 208</td>
<td>Introduction to Logic</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 213</td>
<td>Philosophical Classics in Ethics and Social Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 220</td>
<td>Legal Research and Writing</td>
<td>3</td>
</tr>
</tbody>
</table>
LIBERAL ARTS

DEGREES, CERTIFICATES & AWARDS

• Associate in Arts (A.A.)

DESCRIPTION
The Associate of Arts in Liberal Arts Degree is designed for students who wish to obtain a broad knowledge of liberal arts and sciences plus additional coursework in an “Area of Emphasis.”

Students must complete all of the required courses for one of General Education patterns. Choose either Option I, II, or III listed below for the General Education Pattern related to your educational goal. CSUGE and IGETC patterns are required for students who intend to transfer to four-year universities. Students should consult with a counselor to determine which General Education pattern is best for them.

Complete 18 credits in one “Area of Emphasis” from those outlined below. (Note: Where appropriate, courses in the “area of emphasis” may also be counted for a GE requirement) For ALL OPTIONS: complete necessary Cuesta College graduation and proficiency requirements. (Meet with a Cuesta College counselor) All classes listed below transfer to CSU and/or UC. Courses in BOLD are only transferable to CSU. Refer to www.ASSIST.org for transfer details.

OPTIONS:
I. Cuesta College General Education:
II. CSU GE: Students selecting this option must complete all of the required courses for CSU GE Certification.
III. IGETC: Students selecting this option must complete all of the required courses for IGETC Certification.

AREAS OF EMPHASIS:
For depth, include a minimum of two courses from a single discipline. For breadth, include at least three disciplines in your selection.

Complete Cuesta College graduation requirements

NOTE: Effective Fall 2009, a grade of a “C” or better is required for all courses taken in an area of emphasis, and a minimum overall GPA of 2.00 is required in general education coursework.

ELECTIVE CREDITS: Electives may be necessary to total 60 overall credits required for the degree and must be transferable if choosing the CSU GE or IGETC general education pattern.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
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www.cuesta.edu/student/aboutmoney/finaid
LIBERAL ARTS

ASSOCIATE DEGREE PROGRAM

Liberal Arts: Arts and Humanities – A.A. Degree

The AA in Liberal Arts with an Emphasis in Arts and Humanities is intended for students who are exploring majors or professions that require a broader understanding of the arts and humanities. Courses will be selected from arts and humanities disciplines that emphasize (a) the artistic expression or artistic technique of individuals and cultures, (b) philosophical investigations, (c) the historical contexts for art, literature, thought, and events, and (d) the study of languages.

ASL (American Sign Language) 201, 202
DRA (Drama) 200, 201, 205, 206, 207, 208, 211, 215, 218, 248, 251
ENGL (English) 201B, 201C, 205, 206, 212A, 212B, 213, 215, 216, 217, 231, 244A, 244B, 246A, 246B
FR (French) 201, 202, 203
GER (German) 201, 202, 203, 204
HIST (History) 203A, 203B, 204A, 204B, 207A, 207B, 210, 212, 233, 237, 239
PHIL (Philosophy) 205, 206, 209, 212, 213
SPAN (Spanish) 201, 202, 203, 204

ASSOCIATE DEGREE PROGRAM

Liberal Arts: Science – A.A. Degree

The AA in Liberal Arts with Emphasis in Science is intended for students who are exploring majors or professions that require a broader understanding of the sciences. The degree requirements are fulfilled by completing courses from the approved list that examine the natural science of the physical universe and its life forms. Students should demonstrate scientific literacy including a) an understanding of the methods of acquisition and analysis of scientific data, b) quantitative reasoning skills (beyond intermediate algebra level), and c) the significance of scientific knowledge in our increasingly technological society.

At least one mathematics course is required for this area of emphasis.

ASTR (Astronomy) 210, 210L
BIO (Biology) 201A, 201B, 202, 204, 205, 206, 211, 212, 212L, 213, 216, 220, 220L, 221, 222, 222L, 224
CHEM (Chemistry) 201A, 201B, 210, 210FL, 211, 212A, 212B
GEOL (Geology) 210, 211, 212, 220, 225
METE (Meteorology) 212
NUTR (Nutrition) 210, 211
OCEN (Oceanography) 210, 210L
PHYS (Physics) 205A, 205B, 208A, 208B, 208C
LIBERAL ARTS

ASSOCIATE DEGREE PROGRAM

Liberal Arts : Social and Behavioral Sciences – A.A. Degree

These courses emphasize the perspective, concepts, theories and methodologies of the disciplines typically found in the vast variety of disciplines that comprise study in the Social and Behavioral Sciences. Students will study about themselves and others as members of a larger society. Topics and discussion to stimulate critical thinking about ways people have acted in response to their societies will allow students to evaluate how societies and social subgroups operate.

ANTH (Anthropology) 201, 201L, 202, 203, 220, 221, 225
BUS (Business) 218
CJ (Criminal Justice) 202, 206
ECE (Early Childhood Education) 201, 202
ECON (Economics) 201A, 201B
FMST (Family Studies) 202, 214
GEOG (Geography) 202
HIST (History) 203A, 203B, 204A, 204B, 207A, 207B, 210, 212, 233, 237, 239
LGL (Legal Studies) 217
MATH (Mathematics) 236 or 247
POLI (Political Science) 201, 202, 204, 205, 206, 209
PSYC (Psychology) 200, 201, 202, 206, 233
SOC (Sociology) 201A, 201B, 202, 206, 208
LIBRARY AND INFORMATION TECHNOLOGY

DEGREES, CERTIFICATES & AWARDS
- Associate in Science (A.S.)
- Certificate of Specialization (C.S.)

DESCRIPTION
Cuesta College offers a robust program in Library/Information Technology that has been in existence for four decades. The program's online classes draw students from throughout California, and occasionally beyond. Every course is offered at least once a year, so full-time students can complete the required courses in two semesters, though four semesters is more typical.

This program is designed to train students to respond to the changing needs of information management in our society. Wherever there is a need to have someone available to assist in organizing it, managing it, and getting it into the hands of those who need to use the information.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

CAREER OPPORTUNITIES IN ADDITION TO LIBRARIES
- Audiovisual Materials Manager/ Troubleshooting
- Bibliographic Support
- Consultant
- Digital Library Development
- Digital Preservation Technician
- Indexing/Abstracting Technician
- Information Architecture Coordinator
- Manuscript Preparation Specialist
- Reprography Technician
- Research technician
- Software Design
- Website Information Management

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TRANSFER PREPARATION
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www.cuesta.edu/student/aboutmoney/finaid
ASSOCIATE DEGREE PROGRAM

Library/Information Technology – A.S. Degree

All courses required for the degree must be completed with a grade of “C” or better.

**Required Courses (21.5 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>LIBT 201</td>
<td>Introduction to Library Services</td>
<td>1</td>
</tr>
<tr>
<td>LIBT 204</td>
<td>Organizing Information</td>
<td>3</td>
</tr>
<tr>
<td>LIBT 205</td>
<td>Library/Information Center Collections</td>
<td>3</td>
</tr>
<tr>
<td>LIBT 208</td>
<td>Library Supervisory Skills</td>
<td>1</td>
</tr>
<tr>
<td>LIBT 209</td>
<td>Library Public Services</td>
<td>3</td>
</tr>
<tr>
<td>LIBT 213</td>
<td>Advanced Internet Searching</td>
<td>1</td>
</tr>
<tr>
<td>LIBT 214</td>
<td>Information Technology Internship</td>
<td>2</td>
</tr>
<tr>
<td>LIBT 215</td>
<td>Technology in the Workplace</td>
<td>2</td>
</tr>
<tr>
<td>LIBT 217</td>
<td>Ethics in the Information Age</td>
<td>1</td>
</tr>
<tr>
<td>DIST 101</td>
<td>Introduction to Online Courses</td>
<td>.5</td>
</tr>
</tbody>
</table>

**Plus 4 credits from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 131</td>
<td>E-Commerce: Social Media Marketing</td>
<td>3</td>
</tr>
<tr>
<td>CADA 160</td>
<td>Microcomputer Operations</td>
<td>3</td>
</tr>
<tr>
<td>CIS 215</td>
<td>Advanced Business Applications</td>
<td>4</td>
</tr>
<tr>
<td>ECE 234</td>
<td>Children’s Literature</td>
<td>3</td>
</tr>
<tr>
<td>HEED 204</td>
<td>Standard First Aid and CPR</td>
<td>3</td>
</tr>
<tr>
<td>LIBT 207</td>
<td>Web Page Development with XHTML</td>
<td>3</td>
</tr>
<tr>
<td>LIBT 210</td>
<td>School Library/Media Center Services</td>
<td>3</td>
</tr>
<tr>
<td>LIBT 212</td>
<td>Research Skills for Information Age</td>
<td>1</td>
</tr>
<tr>
<td>LIBT 218</td>
<td>Connecting Adolescents with Literature and Libraries</td>
<td>3</td>
</tr>
<tr>
<td>LIBT 247</td>
<td>Independent Studies</td>
<td>.5-2</td>
</tr>
</tbody>
</table>
## Library/Information Technology - C.A. Certificate

All courses required for the certificate must be completed with a grade of “C” or better.

### Required Courses (17.5 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIBT 201</td>
<td>Introduction to Library Services</td>
<td>1</td>
</tr>
<tr>
<td>LIBT 204</td>
<td>Organizing Information</td>
<td>3</td>
</tr>
<tr>
<td>LIBT 205</td>
<td>Library/Information Center Collections</td>
<td>3</td>
</tr>
<tr>
<td>LIBT 208</td>
<td>Library Supervisory Skills</td>
<td>1</td>
</tr>
<tr>
<td>LIBT 209</td>
<td>Library Public Services</td>
<td>3</td>
</tr>
<tr>
<td>LIBT 213</td>
<td>Advanced Internet Searching</td>
<td>1</td>
</tr>
<tr>
<td>LIBT 214</td>
<td>Information Technology Internship</td>
<td>2</td>
</tr>
<tr>
<td>LIBT 215</td>
<td>Technology in the Workplace</td>
<td>2</td>
</tr>
<tr>
<td>LIBT 217</td>
<td>Ethics in the Information Age</td>
<td>1</td>
</tr>
<tr>
<td>DIST 101</td>
<td>Introduction to Online Courses</td>
<td>.5</td>
</tr>
</tbody>
</table>

### Plus 9 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 131</td>
<td>E-Commerce: Social Media Marketing</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 160</td>
<td>Microcomputer Operations</td>
<td>3</td>
</tr>
<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>CIS 215</td>
<td>Advanced Business Applications</td>
<td>4</td>
</tr>
<tr>
<td>ECE 234</td>
<td>Children’s Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIBT 207</td>
<td>Web Page Development with XHTML</td>
<td>3</td>
</tr>
<tr>
<td>LIBT 210</td>
<td>School Library/Media Center Services</td>
<td>3</td>
</tr>
<tr>
<td>LIBT 212</td>
<td>Research Skills for Information Age</td>
<td>1</td>
</tr>
<tr>
<td>LIBT 218</td>
<td>Connecting Adolescents with Literature and Libraries</td>
<td>3</td>
</tr>
<tr>
<td>LIBT 247</td>
<td>Independent Studies: Library/Information Technology</td>
<td>.5-2</td>
</tr>
</tbody>
</table>
# LIBRARY AND INFORMATION TECHNOLOGY

## CERTIFICATE PROGRAM

### Library Services to Children - C.S. Certificate

All courses required for the certificate must be completed with a grade of “C” or better.

**Required Courses (10 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIBT 201</td>
<td>Introduction to Library Services</td>
<td>1</td>
</tr>
<tr>
<td>LIBT 210</td>
<td>School Library/Media Center Services</td>
<td>3</td>
</tr>
<tr>
<td>LIBT 218</td>
<td>Connecting Adolescents with Literature and Libraries</td>
<td>3</td>
</tr>
<tr>
<td>ECE 234</td>
<td>Children's Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Searching and Researching Strategies

All courses required for the certificate must be completed with a grade of “C” or better.

**Required Courses (2 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIBT 212</td>
<td>Research Skills for the Information Age</td>
<td>1</td>
</tr>
<tr>
<td>LIBT 213</td>
<td>Advanced Internet Searching</td>
<td>1</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Web Page Coding

All courses required for the certificate must be completed with a grade of “C” or better.

**Required Courses (4 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIBT 207</td>
<td>Web Page Development with XHTML</td>
<td>3</td>
</tr>
<tr>
<td>LIBT 220</td>
<td>Fundamentals of Cascading Style Sheets</td>
<td>1</td>
</tr>
</tbody>
</table>
MATHEMATICS

DEGREES, CERTIFICATES & AWARDS
- Associate in Science for Transfer (A.S.-T)
- Associate in Science (A.S.)

DESCRIPTION
The Mathematics Program offers a broad curriculum to serve a diverse student population in meeting their educational goals. For students who plan to transfer to four-year colleges or universities we offer a variety of courses including college algebra, pre-calculus algebra, trigonometry, statistics, mathematics for the humanities, business calculus, a university-level calculus sequence, linear analysis, and ordinary differential equations. We also offer courses from arithmetic through intermediate algebra for those students who want to improve their foundational skills and earn vocational certificates or associate degrees. The Mathematics Program is designed to give students the analytical and logical thinking skills necessary for solving problems in a variety of contexts such as science, business, computer programming, social science and engineering.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
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CAREER OPPORTUNITIES

| Auditor     | Investment Analyst |
| Actuary     | Loan Officer       |
| Appraiser   | Marketing/Advertising |
| Assessor    | Mathematician      |
| Biology/Agriculture | Mathematics |
| Budget Analyst | Numerical Analyst |
| Business/Economics | Operations Analyst |
| Casualty Rater   | Opinion Polling    |
| Chemistry     | Physical Science   |
| Controller    | Public Health      |
| Education     | Sociology          |
| Engineer      | Statistician       |
| Engineering Analyst | Systems Analyst |
| Finance Director | Tax Collector     |
| Financial Analyst | Teacher         |
| Industry     | Technical Writer   |

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## ASSOCIATE DEGREE FOR TRANSFER PROGRAM

### Mathematics – A.S.-T Degree for Transfer

#### Required Core (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 265A</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 265B</td>
<td>Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 283</td>
<td>Calculus 3: Multivariable Calculus</td>
<td>5</td>
</tr>
</tbody>
</table>

#### List A: (5 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 287</td>
<td>Linear Analysis</td>
<td>5</td>
</tr>
</tbody>
</table>

#### List B: (One course from the following; 3-5 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 241</td>
<td>Discrete Structures</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 208A</td>
<td>Principles of Physics I</td>
<td>5</td>
</tr>
<tr>
<td>CIS 217</td>
<td>&quot;C&quot; Programming Language</td>
<td>3</td>
</tr>
<tr>
<td>CIS 231</td>
<td>Fundamentals of Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 236</td>
<td>Introduction to Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 247</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
</tbody>
</table>

“P” (Pass) grade is not acceptable for major coursework in the Associate Degrees for Transfer.

In addition to major preparation course work listed above, completion of the CSU GE or IGETC pattern is mandatory. Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.

---

## ASSOCIATE DEGREE PROGRAM

### Mathematics – A.S. Degree

A minimum of nine credits from Math 265A, 265B, 283 or 287 must be earned at Cuesta College for a Mathematics, A.S. Degree.

#### Required Courses (20 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 265A</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 265B</td>
<td>Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 283</td>
<td>Calculus III: Multivariable Calculus</td>
<td>5</td>
</tr>
<tr>
<td>MATH 287</td>
<td>Linear Analysis</td>
<td>5</td>
</tr>
</tbody>
</table>

#### Plus 8 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 201A</td>
<td>General College Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 201B</td>
<td>General College Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 247</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 208A</td>
<td>Principles of Physics I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 208B</td>
<td>Principles of Physics II</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 208C</td>
<td>Modern Physics</td>
<td>4</td>
</tr>
</tbody>
</table>
MEDICAL ASSISTING

DEGREES, CERTIFICATES & AWARDS
- Associate in Science (A.S.)
- Certificate of Achievement (C.A.)
- Certificate of Specialization (C.S.)

DESCRIPTION
The Medical Assisting Program (MAST) prepares students for employment in medical offices and laboratories. Training is offered in front and back medical office management and in phlebotomy. Medical Assisting training prepares the student for an entry-level position as a medical assistant. The course includes verbal and written communication, basic and advanced clinical skills, medical office management techniques, and professional employment marketing skills. Phlebotomy training prepares students in essential blood specimen collecting skills to fulfill state phlebotomy certificate requirements. The graduate is prepared for employment in the hospital, independent lab, physicians’ office or public health clinics. Hands-on externship experience is part of the training.

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CAREER OPPORTUNITIES

<table>
<thead>
<tr>
<th>Medical Assistant:</th>
<th>Phlebotomy:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Medical front-office – administrative/clerical</td>
<td>• Laboratory setting</td>
</tr>
<tr>
<td>• Medical back-office – patient care</td>
<td>• Hospital setting</td>
</tr>
<tr>
<td></td>
<td>• Medical offices</td>
</tr>
</tbody>
</table>

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# MEDICAL ASSISTING

## ASSOCIATE DEGREE PROGRAM

**Medical Assisting – A.S. Degree**

All Allied Health courses must be completed with a minimum grade of “C” to progress within and to graduate from the program in order to fulfill Designated Degree requirements.

**Required Courses (33 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 212</td>
<td>Human Biology</td>
<td>3</td>
</tr>
<tr>
<td>BUS 227</td>
<td>Business Communications</td>
<td>4</td>
</tr>
<tr>
<td>BUS 228</td>
<td>Office Technology and Telecommunications</td>
<td>3</td>
</tr>
<tr>
<td>MAST 110</td>
<td>Medical Assisting Basics</td>
<td>2</td>
</tr>
<tr>
<td>MAST 111</td>
<td>Medical Assisting Fast Track</td>
<td>11</td>
</tr>
<tr>
<td>MAST 111L</td>
<td>Medical Assisting Fast Track Lab</td>
<td>1</td>
</tr>
<tr>
<td>NRAD 222</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201A</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Plus 3 credits from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>CSS 225</td>
<td>College Success</td>
<td>3</td>
</tr>
<tr>
<td>MAST 109</td>
<td>Phlebotomy</td>
<td>2.5</td>
</tr>
<tr>
<td>MAST 109L</td>
<td>Phlebotomy Externship</td>
<td>1</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

**Medical Assisting - C.A. Certificate**

All Allied Health courses must be completed with a minimum grade of “C” to progress within and to graduate from the programs in order to fulfill Occupational Certificate requirements.

**Required Courses (24 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 212</td>
<td>Human Biology</td>
<td>3</td>
</tr>
<tr>
<td>BUS 227</td>
<td>Business Communications</td>
<td>4</td>
</tr>
<tr>
<td>MAST 110</td>
<td>Medical Assisting Basics</td>
<td>2</td>
</tr>
<tr>
<td>MAST 111</td>
<td>Medical Assisting Fast Track</td>
<td>11</td>
</tr>
<tr>
<td>MAST 111L</td>
<td>Medical Assisting Fast Track Lab</td>
<td>1</td>
</tr>
<tr>
<td>NRAD 222</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Plus 3 credits from the following with a minimum grade of “C” for each course:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 228</td>
<td>Office Technology and Telecommunications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>CSS 225</td>
<td>College Success</td>
<td>3</td>
</tr>
<tr>
<td>MAST 109</td>
<td>Phlebotomy</td>
<td>2.5</td>
</tr>
<tr>
<td>MAST 109L</td>
<td>Phlebotomy Externship</td>
<td>1</td>
</tr>
<tr>
<td>NAST 148</td>
<td>Nursing Assistant</td>
<td>3</td>
</tr>
<tr>
<td>NAST 148L</td>
<td>Nursing Assistant Lab</td>
<td>2</td>
</tr>
</tbody>
</table>
# Medical Assisting

## Certificate Program

### Medical Assisting - C.S. Certificate

**Required Courses (14 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAST 110</td>
<td>Medical Assisting Basics</td>
<td>2</td>
</tr>
<tr>
<td>MAST 111</td>
<td>Medical Assisting Fast Track</td>
<td>11</td>
</tr>
<tr>
<td>MAST 111L</td>
<td>Medical Assisting Fast Track Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

### Phlebotomy - C.S. Certificate

**Required Course (3.5 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAST 109</td>
<td>Phlebotomy</td>
<td>2.5</td>
</tr>
<tr>
<td>MAST 109L</td>
<td>Phlebotomy Externship</td>
<td>1</td>
</tr>
</tbody>
</table>
MUSIC

DEGREES, CERTIFICATES & AWARDS

- Associate in Arts for Transfer (A.A.-T)
- Associate in Arts (A.A.)
- Certificate of Specialization (C.S.)

DESCRIPTION

The Music Department at Cuesta College offers Associate degrees in Music Performance and Jazz Studies, and a Certificate in Audio Technology. Each of the degrees and the certificate offers students in-depth study, taught in state-of-the-art classroom, studio, and performance facilities. The Department offers a variety of performance ensembles, including classical and jazz ensembles in instrumental and choral areas. Private instruction is available for wind, brass, percussion, vocal, guitar, and piano students. In addition, a transferable set of music theory courses are an integral part of the Performance and Jazz Studies degrees, as well as courses in jazz improvisation, class piano and guitar, and music appreciation.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

CAREER OPPORTUNITIES

- Art, Drama, and Music Teachers, Postsecondary
- Music Composers and Arrangers
- Music Directors
- Musicians, Instrumental
- Secondary School Teachers, Except Special and Career/Technical Education
- Singers

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs – grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full- and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information:

www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:

www.assist.org – CSU and UC Articulation Agreements and Majors Search Engine

www.csumentor.org – CSU System Information
# MUSIC

## ASSOCIATE DEGREE FOR TRANSFER PROGRAM

### Music – A.A.-T Degree for Transfer

**Required Courses (17 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 201</td>
<td>Fundamentals of Music (Music Theory)</td>
<td>3</td>
</tr>
<tr>
<td>MUS 204A</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 205A</td>
<td>Musicianship II</td>
<td>1</td>
</tr>
<tr>
<td>MUS 204B</td>
<td>Music Theory III</td>
<td>3</td>
</tr>
<tr>
<td>MUS 205B</td>
<td>Musicianship III</td>
<td>1</td>
</tr>
<tr>
<td>MUS 204C</td>
<td>Music Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUS 205C</td>
<td>Musicianship IV</td>
<td>1</td>
</tr>
<tr>
<td>MUS 212</td>
<td>Applied Music (Private Lessons)</td>
<td>2</td>
</tr>
</tbody>
</table>

**Plus 4 units from the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 223</td>
<td>Vocal Jazz Ensemble</td>
<td>2-3</td>
</tr>
<tr>
<td>MUS 225</td>
<td>Wind Ensemble</td>
<td>2</td>
</tr>
<tr>
<td>MUS 227</td>
<td>Chamber Music Ensemble</td>
<td>1-3</td>
</tr>
<tr>
<td>MUS 228</td>
<td>Mixed Chorus</td>
<td>1-3</td>
</tr>
<tr>
<td>MUS 229</td>
<td>Chamber Singers</td>
<td>2</td>
</tr>
<tr>
<td>MUS 231</td>
<td>Jazz Ensemble (Big Band)</td>
<td>1.5-3</td>
</tr>
<tr>
<td>MUS 245</td>
<td>Jazz Workshop</td>
<td>2</td>
</tr>
</tbody>
</table>

*"P" (Pass) grade is not acceptable for major coursework in the Associate Degrees for Transfer.*

In addition to major preparation coursework listed above, completion of the CSU GE or IGETC pattern is mandatory. Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.

## ASSOCIATE DEGREE PROGRAM

### Jazz Studies – A.A. Degree

**Required Courses (22 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 204A</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 205A</td>
<td>Musicianship II</td>
<td>1</td>
</tr>
<tr>
<td>MUS 204B</td>
<td>Music Theory III</td>
<td>3</td>
</tr>
<tr>
<td>MUS 205B</td>
<td>Musicianship III</td>
<td>1</td>
</tr>
<tr>
<td>MUS 204C</td>
<td>Music Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUS 205C</td>
<td>Musicianship IV</td>
<td>1</td>
</tr>
<tr>
<td>MUS 212</td>
<td>Applied Music (Private Lessons) (4 times)</td>
<td>8</td>
</tr>
<tr>
<td>MUS 233</td>
<td>Jazz Improvisation</td>
<td>2</td>
</tr>
</tbody>
</table>

**Plus 8 credits from the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 223</td>
<td>Vocal Jazz Ensemble</td>
<td>2-3</td>
</tr>
<tr>
<td>MUS 231</td>
<td>Jazz Ensemble (Big Band)</td>
<td>1.5-3</td>
</tr>
<tr>
<td>MUS 245</td>
<td>Jazz Workshop</td>
<td>2</td>
</tr>
</tbody>
</table>

**Plus 4 credits from the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 238</td>
<td>Music Appreciation: Jazz History</td>
<td>3</td>
</tr>
<tr>
<td>MUS 258</td>
<td>Elementary Piano</td>
<td>2</td>
</tr>
<tr>
<td>MUS 224</td>
<td>Vocal Jazz Workshop</td>
<td>2</td>
</tr>
<tr>
<td>MUS 233*</td>
<td>Jazz Improvisation</td>
<td>2</td>
</tr>
</tbody>
</table>

*Course must be repeated for credit for this area.*
### ASSOCIATE DEGREE PROGRAM

**Music Performance – A.A. Degree**

**Required Courses (24 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 204A</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 205A</td>
<td>Musicianship II</td>
<td>1</td>
</tr>
<tr>
<td>MUS 204B</td>
<td>Music Theory III</td>
<td>3</td>
</tr>
<tr>
<td>MUS 205B</td>
<td>Musicianship III</td>
<td>1</td>
</tr>
<tr>
<td>MUS 204C</td>
<td>Music Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUS 205C</td>
<td>Musicianship IV</td>
<td>1</td>
</tr>
<tr>
<td>MUS 212</td>
<td>Applied Music (Private Lessons) (4 times)</td>
<td>8</td>
</tr>
<tr>
<td>MUS 220</td>
<td>Elementary Voice</td>
<td>2</td>
</tr>
<tr>
<td>or MUS 258</td>
<td>Elementary Piano</td>
<td>(2)</td>
</tr>
<tr>
<td>MUS 234</td>
<td>Music Theory/Orchestrating, Scoring and Arranging</td>
<td>2</td>
</tr>
</tbody>
</table>

**Plus 8 credits from the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 222</td>
<td>Intermediate Voice</td>
<td>2</td>
</tr>
<tr>
<td>MUS 223</td>
<td>Vocal Jazz Ensemble</td>
<td>3</td>
</tr>
<tr>
<td>MUS 225</td>
<td>Wind Ensemble</td>
<td>2</td>
</tr>
<tr>
<td>MUS 227</td>
<td>Chamber Music Ensemble</td>
<td>1-3</td>
</tr>
<tr>
<td>MUS 228</td>
<td>Mixed Chorus</td>
<td>1-3</td>
</tr>
<tr>
<td>MUS 229</td>
<td>Chamber Singers</td>
<td>2</td>
</tr>
<tr>
<td>MUS 231</td>
<td>Jazz Ensemble (Big Band)</td>
<td>3</td>
</tr>
<tr>
<td>MUS 232A</td>
<td>Concert Jazz Ensemble</td>
<td>3</td>
</tr>
<tr>
<td>MUS 240</td>
<td>Recording Arts I: Fundamentals of Audio Technology</td>
<td>3</td>
</tr>
<tr>
<td>MUS 241</td>
<td>Recording Arts II: Studio Workshop</td>
<td>3</td>
</tr>
<tr>
<td>MUS 245</td>
<td>Jazz Workshop</td>
<td>2</td>
</tr>
<tr>
<td>MUS 250</td>
<td>Musical Theater Workshop</td>
<td>3</td>
</tr>
<tr>
<td>MUS 251</td>
<td>Musical Theater Performance</td>
<td>3</td>
</tr>
<tr>
<td>MUS 256</td>
<td>Orchestra</td>
<td>3</td>
</tr>
<tr>
<td>MUS 259</td>
<td>Intermediate Piano</td>
<td>2</td>
</tr>
</tbody>
</table>

---

### CERTIFICATE PROGRAM

**Audio Technology I – C.S. Certificate**

**Required Courses (9 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 201</td>
<td>Fundamentals of Music (Music Theory I)</td>
<td>3</td>
</tr>
<tr>
<td>MUS 240</td>
<td>Recording Arts I: Fundamentals of Audio Technology</td>
<td>3</td>
</tr>
<tr>
<td>MUS 241</td>
<td>Recording Arts II: Studio Workshop</td>
<td>3</td>
</tr>
</tbody>
</table>
NURSING ASSISTANT

DEGREES, CERTIFICATES & AWARDS
• Certificate of Specialization (C.S.)

DESCRIPTION
The Nursing Assistant Program (NAST) trains students to provide basic patient care such as taking vital signs, bathing, feeding, transferring, positioning, and bed making. The courses cover techniques of communication, understanding behavior and identification of ethical issues in patient care. Students apply principles of basic nursing care to patients and clients of all ages in skilled nursing and acute care facilities. Upon completion of this course students are eligible to take the test for CNA certification. Hands-on internship experience is part of the training.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

TRANSFER PREPARATION
Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:
www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine
www.CSUMentor.org – CSU System Information

FINANCIAL AID
Financial aid is not available for this certificate.

CAREER OPPORTUNITIES
- Assisted Living Facilities
- Home Health
- Hospitals
- Long-term Care Facilities

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html
NURSING ASSISTANT

CERTIFICATE PROGRAM

Nursing Assistant - C.S. Certificate

Conviction by any court of a crime requires prior clearance by the Department of Health Services before providing patient care.

**Required Course (5 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAST 148</td>
<td>Nursing Assistant</td>
<td>3</td>
</tr>
<tr>
<td>NAST 148L</td>
<td>Nursing Assistant Lab</td>
<td>2</td>
</tr>
</tbody>
</table>
NURSING, LICENSED VOCATIONAL NURSE

DEGREES, CERTIFICATES & AWARDS
• Certificate of Achievement (C.A.)
• Certificate of Specialization (C.S.)

DESCRIPTION
The Licensed Vocational Nursing Program (LVN) prepares students for entry-level vocational nursing positions in a variety of healthcare settings. LVNs provide hands-on care under the supervision of a physician or registered nurse, for the sick, injured, convalescent, and disabled.

Upon completion of the program, graduates are eligible to take the National Vocational Nursing Licensure examination (NCLEX-VN). Hands-on internship experience is part of the training.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

TRANSFER PREPARATION
Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine
CSUmentor.org – CSU System Information

FINANCIAL AID
Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs – grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full- and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information:
www.cuesta.edu/student/aboutmoney/finaid

CAREER OPPORTUNITIES
- Correctional facilities
- Home health
- Long-term care facilities
- Medical offices
- Schools
- Transitional care facilities

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html
LICENSED VOCATIONAL NURSING PROGRAM
ADMISSION REQUIREMENTS

The LVN Program prepares graduates to take the National Council Licensing Exam for Licensed Vocational Nursing (NCLEX-PN). Passing this exam is required to be employed as a licensed vocational nurse and must be taken at applicants' expense, upon completion of all program requirements.

Students interested in applying to the Licensed Vocational Nursing Program are strongly urged to consult with a counselor before they register for coursework in prerequisite classes.

All persons who meet Cuesta College's admission requirements, additional Pre-LVN Program admission criteria, and submit a LVN Program application are eligible for admission into the program.

Eligible applicants are admitted into the LVN program by random selection from a pool of qualified applicants. Students are admitted once per year into the 12 month program with minimal breaks. The LVN program is only offered on the North County Campus in Paso Robles, CA.

Entrance requirements are subject to change. For most current information please refer to the Nursing and Allied Health Division webpage at http://academic.cuesta.edu/nursing/.

2013-2014 LVN Program Admission requirements include:

• Biology 212* (Human Biology, lab portion not required)
• English 156* (College Reading and Writing)
• Math 007* (Pre-Algebra)
• High School Diploma or GED
• Current Healthcare Provider or Professional Rescuer CPR certification
• Current California CNA certificate (must be submitted by the application due date)
• Pre-program requirements must be complete at the time of application.
• Prerequisite courses or equivalent courses must be completed with a grade of “C” or better.
• College courses must be taken to satisfy all of the prerequisite course requirements.
• Math and English Assessment test scores will NOT be accepted in place of coursework.

*Higher level courses may be used in lieu of the listed prerequisite courses. For example: BIO 205 (Anatomy) or BIO 206 (Human Physiology), ENG 201A (English Composition), and/or Math at a level higher than Pre-Algebra, such as Algebra, Pre-Calculus and above.

Additionally, admitted students are required to complete a background check, drug screen, physical exam, and provide proof of immunity.
# NURSING, LICENSED VOCATIONAL NURSE

## CERTIFICATE PROGRAM

### Nursing, Licensed Vocational Nurse - C.A. Certificate

Adherence to Cuesta College LVN student policies is required for progress within and graduation from the program and satisfaction of eligibility to the vocational nurse licensure examination. All courses must be completed with a minimum grade of "C" to progress. Conviction of a felony or of any offense substantially related to the qualifications, functions and duties of a LVN may constitute grounds for denial of licensure.

### Required Courses (60 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LVN 101</td>
<td>Theory I: Fundamentals, Mother/Baby and Acute Adult</td>
<td>7</td>
</tr>
<tr>
<td>LVN 101A</td>
<td>Skills Theory I: Adult, Mother/Baby, and Medication Administration</td>
<td>7</td>
</tr>
<tr>
<td>LVN 101AL</td>
<td>Skills Lab I: Basic Care, Adult, Mother/Baby, Medication Administration</td>
<td>2.5</td>
</tr>
<tr>
<td>LVN 101B</td>
<td>Clinical I: Medication Administration, Basic Care</td>
<td>5</td>
</tr>
<tr>
<td>LVN 102</td>
<td>Theory II: Perioperative, Pediatrics, Chronic Disease</td>
<td>7</td>
</tr>
<tr>
<td>LVN 102A</td>
<td>Skills Theory II: Perioperative, Pediatrics, Chronic Disease</td>
<td>7</td>
</tr>
<tr>
<td>LVN 102AL</td>
<td>Skills Lab II: Perioperative, Pediatrics, Chronic Disease</td>
<td>2.5</td>
</tr>
<tr>
<td>LVN 102B</td>
<td>Clinical II: Adult Acute, Mother/Baby, Pediatric Care</td>
<td>5</td>
</tr>
<tr>
<td>LVN 103</td>
<td>Theory III: Community and Mental Health Nursing</td>
<td>2</td>
</tr>
<tr>
<td>LVN 103A</td>
<td>Skills Theory III: Community and Mental Health Nursing</td>
<td>2</td>
</tr>
<tr>
<td>LVN 103B</td>
<td>Clinical III: Mental Health, Team Leading, Preceptorship</td>
<td>3</td>
</tr>
<tr>
<td>BIO 212</td>
<td>Human Biology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 156</td>
<td>College Reading and Writing</td>
<td>4</td>
</tr>
<tr>
<td>MATH 007</td>
<td>Prealgebra</td>
<td>3</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Licensed Vocational Nurse, Basic Intravenous Therapy, Blood Administration, and Phlebotomy - C.S. Certificate

### Required Course (2 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LVN 104</td>
<td>Basic Intravenous Therapy, Blood Administration, and Phlebotomy</td>
<td>1.5</td>
</tr>
<tr>
<td>LVN 104L</td>
<td>Basic Intravenous Therapy, Blood Administration, and Phlebotomy Lab</td>
<td>0.5</td>
</tr>
</tbody>
</table>
### Pathway to Associate Degree Registered Nursing (RN) Program

| First Year FALL |  > ENGL 156 (4)  
| |  > MATH 123 (5)  
| |  > SOC 201  
| |  > BIO 212 |
| First Year SPRING |  > ENGL 201A (4)  
| |  > MATH 127  
| |  > CHEM 210 FL  
| |  > BIO 205 |
| Second Year FALL |  > PSYCH 201A  
| |  > HUMANITIES / FINE ARTS COURSE  
| |  > BIO 204  
| |  > HIST 207A/B or POLS 202  
| |  > ADN transfer to BSN: ENGL 201C and MATH 236 or 247 |
| Second Year SPRING |  > COMM 201A OR 210  
| |  > BIO 206  
| |  > ADN transfer to BSN: FMST 212 and CHEM 211 |

**APPLY TO RN PROGRAM**: all prerequisites must be completed with a “C” or better and a combined science gpa of 2.5 or higher.

| First Year FALL RN PROGRAM |  > NRAD 201  
| |  > NRAD 201A  
| |  > NRAD 201B  
| |  > NRAD 201D  
| |  > NRAD 120 |
| First Year SPRING RN PROGRAM |  > NRAD 202A  
| |  > NRAD 202B  
| |  > NRAD 202D  
| |  > NRAD 120  
| |  > Advanced Placement LVN to RN option: entry to Year 1 Spring by application |
| Second Year FALL RN PROGRAM |  > NRAD 203A  
| |  > NRAD 203B  
| |  > NRAD 203D  
| |  > NRAD 120  
| |  > 30 unit LVN to RN non-degree option: entry to Year 2 Fall of RN by application and space availability |
| Second Year SPRING RN PROGRAM |  > NRAD 204  
| |  > NRAD 204A  
| |  > NRAD 204B  
| |  > NRAD 204D |

Above chart is subject to change. Please consult with your counselor.
NURSING, REGISTERED

DEGREES, CERTIFICATES & AWARDS

- Associate in Science (A.S.)
- Certificate of Achievement (C.A.)

DESCRIPTION
The Registered Nursing Program (NRAD) prepares students for beginning practice level registered nursing in hospitals, health care facilities, and in homes. Registered nurses provide and coordinate patient care, educate patients and the public about various health conditions, and provide advice and emotional support to patients and their family members. Upon completion of the program, graduates are eligible to take the National Registered Nursing Licensure examination (NCLEX). Hands-on internship experience is part of the training.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

CAREER OPPORTUNITIES

- Clinics and Industry Nurse
- Community Health Nurse
- Critical Care Nurse
- Emergency Room Nurse
- Extended Care Nurse
- Home Health Nurse
- Hospital Nurse
- Medical Nurse
- Mental Health Nurse
- Obstetrics Nurse
- Oncology Nurse
- Operating Room Nurse
- Pediatrics Nurse
- Physician’s Office Nurse
- Registered Nurse (B.S.N.)
- Rehabilitation Nurse
- Surgical Nurse
- Traveling Nurse
- Vocational Nurse

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:

- www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine
- www.CSUMentor.org – CSU System Information

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs – grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full- and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information:

www.cuesta.edu/student/aboutmoney/finaid
REGISTERED NURSING PROGRAM
ADMISSION REQUIREMENTS
The Cuesta College Associate Degree Registered Nursing program prepares graduates to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN) leading to licensure as a Registered Nurse. Four (4) preparation options are available.

Students interested in applying to the Registered Nursing Program are strongly urged to consult with a counselor regarding the associate degree nursing pathway before registering for course work.

Registered Nursing prerequisite coursework must be completed prior to applying to the program.

Students who have meet general college admission requirements and the additional Registered Nursing Program admission criteria will be eligible for admission to the Registered Nursing Program.

Eligible applicants are admitted into the Registered Nursing Program through a multi-criteria screening process. The two year program starts once a year in the fall.

Entrance requirements are subject to change. For most current information please refer to the Nursing and Allied Health Division webpage at http://academic.cuesta.edu/nursing/.

Completed physical examination, proof of immunity, background check, drug screening and healthcare provider CPR certification are requirements for final acceptance into the program.

Four (4) registered nurse preparation options are available:

1. Registered Nursing Associate in Science Degree – earned by completing all required coursework in the nursing program, Board of Registered Nursing content coursework and college associate degree requirements.

2. Registered Nursing Associate in Science Degree - earned by advanced placement LVN to RN pathway. Currently Licensed Vocational Nurses enter into the 2nd semester of the RN program. All associate degree requirements and Board of Registered Nursing content must be met and only currently Licensed Vocational Nurses are eligible for admission. Admission is limited to a space available basis. Admission is limited to a space available basis. Prior consultation with the Nursing director is required in order to review the limitations.

3. Registered Nursing Certificate of Achievement – earned by completing all required coursework in the nursing program and Board of Registered Nursing content coursework. No associate degree is awarded and the RN license received has practice limitation. Admission process is the same as Registered Nursing Associate Degree applicants.

4. Registered Nursing Certificate of Achievement, 30-unit option – earned by LVN’s entering into the 3rd semester of the RN program and completing the 3rd and 4th semester. No associate degree is awarded and the RN license received has practice limitation. Admission is limited to a space available basis. Prior consultation with the Nursing director is required in order to review the limitations.
### NURSING, REGISTERED

#### ASSOCIATE DEGREE PROGRAM

**Nursing, Registered – A.S. Degree**

Adherence to Cuesta College NRAD student policies is required for progress within and graduation from the program and satisfaction of eligibility to take professional licensure examinations. All courses must be completed with a minimum grade of "C" to progress within and to graduate from the program in order to fulfill Designated Degree requirements.

Conviction of a felony or of any offense substantially related to the qualifications, functions and duties of a Registered Nurse may constitute grounds for denial of licensure.

**Required Courses (75.5-78.5 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRAD 201*</td>
<td>Foundations of Nursing/Caring</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 201A*</td>
<td>Nurse Caring Concepts</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 201B*</td>
<td>Nurse Caring Practicum I</td>
<td>5</td>
</tr>
<tr>
<td>NRAD 201D*</td>
<td>Decision Making Data I</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 202A*</td>
<td>Nurse Caring Family Concepts</td>
<td>3</td>
</tr>
<tr>
<td>NRAD 202B*</td>
<td>Nurse Caring Practicum II</td>
<td>8</td>
</tr>
<tr>
<td>NRAD 202D*</td>
<td>Decision Making Data II</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 203A*</td>
<td>Nurse Caring Concepts III</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 203B*</td>
<td>Nurse Caring Practicum III</td>
<td>5</td>
</tr>
<tr>
<td>NRAD 203D*</td>
<td>Nurse Caring for Medical-Surgical Clients</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 204*</td>
<td>Nurse Leadership/Management</td>
<td>1</td>
</tr>
<tr>
<td>NRAD 204A*</td>
<td>Nurse Caring Concepts for Clients</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Psychiatically at Risk</td>
<td>2</td>
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<tr>
<td>NRAD 204B*</td>
<td>Nurse Caring for People at Risk Practicum</td>
<td>6</td>
</tr>
<tr>
<td>NRAD 204D*</td>
<td>Nurse Caring for People at Risk Concepts</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 120*</td>
<td>Supplementary Nursing Skills</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Practice (3 semesters)</td>
<td>.5, .5, .5</td>
</tr>
<tr>
<td>BIO 204*</td>
<td>Microbiology or Equivalent</td>
<td>4-5</td>
</tr>
<tr>
<td>BIO 205*</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIO 206*</td>
<td>General Human Physiology or Equivalent</td>
<td>4-5</td>
</tr>
<tr>
<td>ENGL 201A*</td>
<td>English Composition or Equivalent</td>
<td>3-4</td>
</tr>
<tr>
<td>HIST 207A*</td>
<td>History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 207B</td>
<td>History of the United States</td>
<td>(3)</td>
</tr>
<tr>
<td>or POLS 202</td>
<td>Government of the United States</td>
<td>(3)</td>
</tr>
<tr>
<td>HUMANITIES</td>
<td>Any course meeting graduation requirements</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 201*</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201A*</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>COMM 201A*</td>
<td>Public Address</td>
<td>3</td>
</tr>
<tr>
<td>or COMM 210</td>
<td>Small Group Discussion</td>
<td>(3)</td>
</tr>
</tbody>
</table>

* Courses required to be eligible to sit for boards, without a degree.
**NURSING, REGISTERED**

**CERTIFICATE PROGRAM**

**Nursing, Registered - C.A. Certificate**

Adherence to Cuesta College NRAD student policies is required for progress within and graduation from the program and satisfaction of eligibility to take professional licensure examinations. All courses must be completed with a minimum grade of “C” to progress. Conviction of a felony or of any offense substantially related to the qualifications, functions and duties of a Registered Nurse may constitute grounds for denial of licensure.

**Required Courses (69.5-72.5 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRAD 201</td>
<td>Foundations of Nursing/Caring</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 201A</td>
<td>Nurse Caring Concepts</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 201B</td>
<td>Nurse Caring Practicum I</td>
<td>5</td>
</tr>
<tr>
<td>NRAD 201D</td>
<td>Decision Making Data I</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 202A</td>
<td>Nurse Caring Family Concepts</td>
<td>3</td>
</tr>
<tr>
<td>NRAD 202B</td>
<td>Nurse Caring Practicum II</td>
<td>8</td>
</tr>
<tr>
<td>NRAD 202D</td>
<td>Decision Making Data II</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 203A</td>
<td>Nurse Caring Concepts III</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 203B</td>
<td>Nurse Caring Practicum III</td>
<td>5</td>
</tr>
<tr>
<td>NRAD 203D</td>
<td>Nurse Caring for Medical-Surgical Clients</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 204</td>
<td>Nurse Leadership/Management</td>
<td>1</td>
</tr>
<tr>
<td>NRAD 204A</td>
<td>Nurse Caring Concepts for Clients Psychiatically at Risk</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 204B</td>
<td>Nurse Caring for People at Risk Practicum</td>
<td>6</td>
</tr>
<tr>
<td>NRAD 204D</td>
<td>Nurse Caring for People at Risk Concepts</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 120</td>
<td>Supplementary Nursing Skills Practice            (3 semesters)</td>
<td>5, 5, 5</td>
</tr>
<tr>
<td>BIO 204</td>
<td>Microbiology or Equivalent</td>
<td>4-5</td>
</tr>
<tr>
<td>BIO 205</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIO 206</td>
<td>General Human Physiology or Equivalent</td>
<td>4-5</td>
</tr>
<tr>
<td>ENGL 201A</td>
<td>English Composition or Equivalent</td>
<td>3-4</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201A</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>COMM 201A</td>
<td>Public Address</td>
<td>3</td>
</tr>
<tr>
<td>or COMM 210</td>
<td>Small Group Discussion</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**CERTIFICATE PROGRAM**

**Nursing, Registered (30 unit option) - C.A. Certificate**

These students will be identified by the director of nursing as having met the BRN requirements under the LVN 30-unit options. All courses must be completed with a minimum grade of “C” to progress. Conviction of a felony or of any offense substantially related to the qualifications, functions and duties of a Registered Nurse may constitute grounds for denial of licensure.

**Required Courses (30 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRAD 203</td>
<td>Nursing Transitions</td>
<td>1</td>
</tr>
<tr>
<td>NRAD 203A</td>
<td>Nurse Caring Concepts III</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 203B</td>
<td>Nurse Caring Practicum III</td>
<td>5</td>
</tr>
<tr>
<td>NRAD 203D</td>
<td>Nurse Caring for Medical-Surgical Clients</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 103H</td>
<td>Third Semester Readiness Nursing</td>
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</tr>
<tr>
<td>NRAD 204</td>
<td>Nurse Leadership/Management</td>
<td>1</td>
</tr>
<tr>
<td>NRAD 204A</td>
<td>Nurse Caring Concepts for Clients Psychiatically at Risk</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 204B</td>
<td>Nurse Caring for People at Risk Practicum</td>
<td>6</td>
</tr>
<tr>
<td>NRAD 204D</td>
<td>Nurse Caring for People at Risk Concepts</td>
<td>2</td>
</tr>
<tr>
<td>NRAD 120</td>
<td>Supplementary Nursing Skills Practice</td>
<td>.5</td>
</tr>
<tr>
<td>BIO 204</td>
<td>Microbiology or Equivalent</td>
<td>5</td>
</tr>
<tr>
<td>BIO 212</td>
<td>Human Biology</td>
<td>3</td>
</tr>
</tbody>
</table>
NUTRITION

DEGREES, CERTIFICATES & AWARDS
• Certificate of Specialization (C.S.)

DESCRIPTION
The Cuesta College Nutrition program offers students a variety of interesting and challenging courses for students to learn about chemicals and nutrients in food and their effects on the human body and the world. The study of nutritional science contributes to preparing students for careers as nutritionists, registered dietitians (RD), food scientists, or other dietetics professionals. Cuesta College offers a Nutrition certificate that provides a broad foundation in a practical and personally applicable exposure to a variety of scientific areas of nutrition such as chemistry, biochemistry, microbiology, anatomy, physiology, and biology. Popular topics include microbial pathogens, environmental contaminants, nutrigenomics, macronutrient balance, energy metabolism, obesity, global issues, biochemistry of exercise, and micronutrient and phytochemical utilization. Students in the program learn how the scientific method and process contributes to nutritional requirements and how nutrients function from a cellular to more practical level, and then apply this knowledge to their own health. The program ultimately helps students understand the role of nutrition in disease prevention throughout the lifecycle and as an impact on society as a whole. The Nutrition program offers courses that meet college requirements in GE, Liberal Arts, and Diversity and offers courses in both face-to-face and Distance Education modalities.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

CAREER OPPORTUNITIES

- Coordinator
- Diabetes Care Nutrition Educator
- Food Service Manager
- Home Health Care Nutrition Educators
- Hospital Nutrition Manager
- Menu Developer
- Nursing Care Facility Nutrition
- Product Development
- Quality Control Technician
- Research Technician
- Weight Manager
- Wellness Educator
- Nursing Care Facility Nutrition
- Product Development
- Quality Control Technician
- Research Technician
- Weight Manager
- Wellness Educator

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

TRANSFER PREPARATION
Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:
www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine
www.CSUMentor.org – CSU System Information

FINANCIAL AID
Financial aid is not available for this certificate.
### NUTRITION

**CERTIFICATE PROGRAM**

**Nutrition - C.S. Certificate**

**Required Courses (12 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>NUTR 210</td>
<td>Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>or NUTR 211</td>
<td>Introduction to Nutrition for Health Professionals</td>
<td>(3)</td>
</tr>
<tr>
<td>NUTR 218</td>
<td>Maternal &amp; Child Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 224</td>
<td>Gerontological Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 230</td>
<td>Nutrition for Fitness and Sport</td>
<td>3</td>
</tr>
</tbody>
</table>
PARALEGAL

DEGREES, CERTIFICATES & AWARDS
- Associate in Arts (A.A.)
- Certificate of Achievement (C.A.)

DESCRIPTION
The Cuesta College Paralegal Degree Program is designed to provide students with the knowledge and skills needed to become a successful paralegal. A paralegal is a trained specialist who performs a wide variety of legal tasks, including legal research, assisting with clients, assisting with case investigation, assisting with witness preparation, assisting at trial, law office management, and legal document preparation in a variety of legal and business settings.

The Cuesta College Paralegal Degree Program fully complies with the California Business and Professions Code requirements for employment as paralegals and legal document assistants. The Paralegal Program is also designed to help students prepare for NALA (National Association of Legal Assistants) certification and is a first step towards CACPS (Commission for Advanced California Paralegal Specialization) certification as well.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

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CAREER OPPORTUNITIES

- Law Offices
- Other Legal Service Providers
- Independent Contractor Paralegals
- Legal Document Assistants
- Local, State, and Federal Government
- Banking
- Corporate Legal Departments
- Finance
- Insurance
- Real Estate

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# PARALEGAL

## ASSOCIATE DEGREE PROGRAM

### Paralegal – A.A. Degree

**Required Courses (28 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BUS 218</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>BUS 227</td>
<td>Business Communications</td>
<td>4</td>
</tr>
<tr>
<td>LGL 217</td>
<td>Introduction to Law</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 131</td>
<td>Current Ethical Issues for Paralegals</td>
<td>1</td>
</tr>
<tr>
<td>PLGL 201</td>
<td>Introduction to Paralegal Studies</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 203</td>
<td>Paralegal Internship</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 205</td>
<td>Civil Procedure and Litigation</td>
<td>4</td>
</tr>
<tr>
<td>PLGL 209</td>
<td>Technology in the Law Office</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 220</td>
<td>Legal Research and Writing</td>
<td>3</td>
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</tbody>
</table>

Plus 9 credits (including 6 credits from classes with an LGL prefix) from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 206</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CJ 208</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 206</td>
<td>Business Organizations</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 207</td>
<td>Family Law</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 208</td>
<td>Estate Planning and Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Paralegal - C.A. Certificate

**Required Courses (28 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 218</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>BUS 227</td>
<td>Business Communications</td>
<td>4</td>
</tr>
<tr>
<td>LGL 217</td>
<td>Introduction to Law</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 131</td>
<td>Current Ethical Issues for Paralegals</td>
<td>1</td>
</tr>
<tr>
<td>PLGL 201</td>
<td>Introduction to Paralegal Studies</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 203</td>
<td>Paralegal Internship</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 205</td>
<td>Civil Procedure and Litigation</td>
<td>4</td>
</tr>
<tr>
<td>PLGL 209</td>
<td>Technology in the Law Office</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 220</td>
<td>Legal Research and Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 9 credits (including 6 credits from classes with an LGL prefix) from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 206</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CJ 208</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 206</td>
<td>Business Organizations</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 207</td>
<td>Family Law</td>
<td>3</td>
</tr>
<tr>
<td>PLGL 208</td>
<td>Estate Planning and Administration</td>
<td>3</td>
</tr>
</tbody>
</table>
PHILOSOPHY

DEGREES, CERTIFICATES & AWARDS

- Associate in Arts for Transfer (A.A.-T)

DESCRIPTION

Philosophy is an academic discipline that inquires into the nature, meaning, and value of the world and of human beings' place in the world. An undergraduate major in philosophy prepares a student for (a) graduate studies and an academic career in philosophy, (b) graduate studies and an academic career in related disciplines within the humanities (e.g., religious studies, literature, political science), and (c) law school and a career in law or politics.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

CAREER OPPORTUNITIES

Academic Careers in Philosophy or related disciplines within the Humanities
- Law
- Politics

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:

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www.CSUMentor.org – CSU System Information

FINANCIAL AID

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www.cuesta.edu/student/aboutmoney/finaid
# PHILOSOPHY

## ASSOCIATE DEGREE FOR TRANSFER PROGRAM

### Philosophy – A.A.-T Degree for Transfer

**Required Core (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 206</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 208</td>
<td>Introduction to Logic</td>
<td>3</td>
</tr>
</tbody>
</table>

**List A: Select at least one course (3 credits) from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 209</td>
<td>World Religions</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 212</td>
<td>Philosophical Classics in Theory of Reality and of Knowledge</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 213</td>
<td>Philosophical Classics in Ethics and Social Philosophy</td>
<td>3</td>
</tr>
</tbody>
</table>

**List B: Select at least two courses (6 credits) from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any course(s) not already selected from List A</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIST 204A</td>
<td>History of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 204B</td>
<td>History of Western Civilization</td>
<td>3</td>
</tr>
</tbody>
</table>

**List C: Select one course (3 credits) from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any course not already selected from List A or List B</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHIL 205</td>
<td>Introduction to the Bible</td>
<td>3</td>
</tr>
<tr>
<td>Any course articulated as CSU GE Area C2 or IGETC Area 3B</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

“P” (Pass) grade is not acceptable for major coursework in the Associate Degrees for Transfer. In addition to major preparation course work listed above, completion of the CSU GE or IGETC pattern is mandatory. Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.
PHYSICS

DEGREES, CERTIFICATES & AWARDS
• Associate in Science for Transfer (A.S.-T)
• Associate in Science (A.S.)

DESCRIPTION
The Cuesta College Physics Program engages students in the study of how the physical world works and why materials and objects behave the way they do. Physics students will learn to deduce the underlying principles and laws of nature, and apply those principles and laws to make estimations and predictions. The Cuesta College Physics Program offers two sequences of courses. Physics 205A and 205B are courses in a general, trigonometry-based physics series designed for students who intend to earn professional post-graduate health degrees at medical, pharmacy, or veterinary schools, in addition to students who enroll in architecture and construction technology undergraduate programs. Physics 208A, 208B and 208C are rigorous courses that utilize differential and integral calculus to prepare students for physics, geophysics, science, and engineering undergraduate major programs. Students can earn an A.S. degree in Physics at Cuesta College, preparing them for transfer to four-year institutions or for employment in technical careers.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

CAREER OPPORTUNITIES
- Natural Sciences Managers
- Nuclear Equipment Operation Technicians
- Nuclear Monitoring Technicians
- Nuclear Power Reactor Operators
- Physicists
- Physics Teachers, Postsecondary
- Secondary School Teachers, Except Special and Career/Technical Education

TRANSFER PREPARATION
Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:
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FINANCIAL AID
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Please log onto our website for additional information:
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# PHYSICS

## ASSOCIATE DEGREE FOR TRANSFER PROGRAM

### Physics – A.S.-T Degree for Transfer

**Required Courses (29 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 208A</td>
<td>Principles of Physics 1</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 208B</td>
<td>Principles of Physics 2</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 208C</td>
<td>Modern Physics</td>
<td>4</td>
</tr>
<tr>
<td>MATH 265A</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 265B</td>
<td>Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 283</td>
<td>Calculus III: Multivariable Calculus</td>
<td>5</td>
</tr>
</tbody>
</table>

*“P” (Pass) grade is not acceptable for major coursework in the Associate Degrees for Transfer.*

In addition to major preparation course work listed above, completion of the CSU GE or IGETC pattern is mandatory. Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.

## ASSOCIATE DEGREE PROGRAM

### Physics – A.S. Degree

**Required Courses (34 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 265A</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 265B</td>
<td>Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 283</td>
<td>Calculus III: Multivariable Calculus</td>
<td>5</td>
</tr>
<tr>
<td>MATH 287</td>
<td>Linear Analysis</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 208A</td>
<td>Principles of Physics 1</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 208B</td>
<td>Principles of Physics 2</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 208C</td>
<td>Modern Physics</td>
<td>4</td>
</tr>
</tbody>
</table>
POLITICAL SCIENCE

DEGREES, CERTIFICATES & AWARDS
- Associate in Arts for Transfer (A.A.-T)
- Associate in Arts (A.A.)

DESCRIPTION
Political Science is an academic and research discipline that deals with the theory and practice of politics, and the description and analysis of political systems/processes, political behavior and political actors. Political science is commonly divided into five distinct sub-disciplines which together constitute the field: political theory, comparative politics, public administration, international relations, and public law. The Political Science program provides students with a core curriculum that will prepare them with the knowledge and skills required to succeed in the study of political science. Students will develop skills for critical/analytical thinking, perceptive reading/observation and interpretation, statistics analysis, and civic awareness and participation.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

CAREER OPPORTUNITIES
- Compliance Managers
- Investment Fund Managers
- Political Science Teachers, Postsecondary
- Political Scientists
- Regulatory Affairs Managers
- Security Managers

FINANCIAL AID
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www.cuesta.edu/student/aboutmoney/finaid

TRANSFER PREPARATION
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Transfer Resources:
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- www.CSUMentor.org – CSU System Information
ASSOCIATE DEGREE FOR TRANSFER PROGRAM

Political Science – A.A.-T Degree for Transfer

Required Core (3 credits)

- POLS 202 Government and Politics of the United States 3

List A (1): (select two courses; 6 credits)

- POLS 209 Introduction to Political Theory 3
- POLS 206 Comparative Government 3
- POLS 204 World Politics 3
- POLS 201 Introduction to Political Science 3

List A (2): (select one course; 3-4 credits)

- MATH 236 Introduction to Applied Statistics 3
  or MATH 247 Introduction to Statistics (4)

List B: (select two courses; 6 credits)

- POLS 205 Law and Politics 3
  or Any course(s) not selected from List A, or any course(s) approved for Area D of CSU GE (Social and Behavioral Sciences). (3)

"P" (Pass) grade is not acceptable for major coursework in the Associate Degrees for Transfer.

In addition to major preparation course work listed above, completion of the CSU GE or IGETC pattern is mandatory.

Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.

ASSOCIATE DEGREE PROGRAM

Political Science – A.A. Degree

Required Courses (18 credits)

- POLS 201 Introduction to Political Science 3
- POLS 202 Government and Politics of the United States 3
- POLS 204 World Politics 3
- POLS 205 Law and Politics 3
- POLS 206 Comparative Government 3
- POLS 209 Introduction to Political Theory 3

Plus 9 credits from the following:

- ECON 201A Principles of Economics 3
- HIST 203A* History of World Civilizations 3
- HIST 203B* History of World Civilizations 3
- HIST 204A* History of Western Civilization 3
- HIST 204B* History of Western Civilization 3
- HIST 207A* History of the United States 3
- HIST 207B* History of the United States 3
- HIST 208A* History of Latin America 3
- HIST 208B* History of Latin America 3
- HIST 210* History of California 3
- HIST 212* History of the Mexican-American 3
- HIST 219* History of the Far East 3
- HIST 233* History of the Afro-American 3
- HIST 235* History of African Civilization 3
- HIST 239* History of the Role of Women 3
- PHIL 206 Introduction to Philosophy 3
  or PHIL 208 Introduction to Logic 3
- PSYC 206 Introduction to Social Psychology 3
- SOC 206 Race and Ethnic Relations 3

* No more than 6 credits
PSYCHIATRIC TECHNICIAN

DEGREES, CERTIFICATES & AWARDS

- Associate in Science (A.S.)
- Certificate of Achievement (C.A.)

DESCRIPTION

The Psychiatric Technician Training Program (PSYT) prepares students to utilize the nursing process in the provision of care and treatment to individuals with mental illness and/or intellectual impairment under the supervision of a physician, psychologist and/or registered nurse. Psychiatric technicians participate in rehabilitation and treatment programs, assist patients with activities of daily living, and administer medications and treatments. Upon completion of the program students are eligible to take the National Council Licensure Examination (NCLEX/PN) leading to licensure as a California Psychiatric Technician. Hands-on internship experience is part of the training.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

CAREER OPPORTUNITIES

- Community Mental Health Centers
- Psychiatric Hospital Setting
- Residential Mental Health Facilities
- State Correctional Facilities
- State Hospital Setting

TRANSFER PREPARATION

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PSYCHIATRIC TECHNICIAN PROGRAM

ADMISSION REQUIREMENTS

The Psychiatric Technician Training Program prepares graduates to take the National Council Licensure Examination (NCLEX/PN) leading to licensure as a California Psychiatric Technician.

Students interested in applying to the Psychiatric Technician Program are strongly urged to attend a program information meeting at Atascadero State Hospital's training facility. Additional information is available: contact the Psychiatric Training Program Office at Atascadero State Hospital (805) 468-317, email ashptprogram@ash.dsh.ca.gov, or refer to the Nursing and Allied Health Division http://academic.cuesta.edu/nursing/webpage.

All persons who meet Cuesta College’s admission requirements, additional Pre-Psychiatric Technician Program admission criteria, and submit a Psychiatric Technician Program application are eligible for admission into the program.

Eligible applicants are admitted into the Psychiatric Technician Program by random selection from a pool of qualified applicants. The year long program starts 3 times a year.

Entrance requirements and deadlines are subject to change.

The following are current requirements for consideration for admission to the Psychiatric Technician Training Program.

• Must be 18 years of age.

• Satisfy ONE of the following:
  Be a high school graduate
  Completion of Equivalency Examination or G.E.D.
  College degree of AA or higher

• Completion of:
  English 156 (College Reading and Writing)
  or equivalent with a “C” or better OR pass the English Assessment Test at Cuesta College or equivalent (placement into English 201A or higher meets this requirement).
  MATH 003 (Elementary Algebra) course
  or equivalent with a “C” or better OR pass the Math Assessment Test at Cuesta College or equivalent (placement into Math 007 or higher meets this requirement).
  OR
  College Degree of AA or higher.

Additionally, admitted students are required to successfully complete a background check, drug screen, physical exam, proof of immunity, and PSYT 110, a three-week New Employee Orientation prior to final admission.
# PSYCHIATRIC TECHNICIAN

## ASSOCIATE DEGREE PROGRAM

### Psychiatric Technician – A.S. Degree

**Required Courses (70.5 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 212</td>
<td>Human Biology</td>
<td>3</td>
</tr>
<tr>
<td>FMST 212</td>
<td>Human Development: Life Span</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYT 207</td>
<td>Nursing Science</td>
<td>19</td>
</tr>
<tr>
<td>PSYT 208</td>
<td>Care of the Developmentally Disabled</td>
<td>17.5</td>
</tr>
<tr>
<td>PSYT 209</td>
<td>Psychiatric Nursing</td>
<td>18.5</td>
</tr>
<tr>
<td>PSYT 110</td>
<td>Introduction to Psychiatric Technician</td>
<td>6.5</td>
</tr>
</tbody>
</table>

## CERTIFICATE PROGRAM

### Psychiatric Technician - C.A. Certificate

**Required Courses (61.5 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYT 207</td>
<td>Nursing Science</td>
<td>19</td>
</tr>
<tr>
<td>PSYT 208</td>
<td>Care of the Developmentally Disabled</td>
<td>17.5</td>
</tr>
<tr>
<td>PSYT 209</td>
<td>Psychiatric Nursing</td>
<td>18.5</td>
</tr>
<tr>
<td>PSYT 110</td>
<td>Introduction to Psychiatric Technician</td>
<td>6.5</td>
</tr>
</tbody>
</table>
PSYCHOLOGY

DEGREES, CERTIFICATES & AWARDS
- Associate in Arts for Transfer (A.A.-T)
- Associate in Science (A.A.)

DESCRIPTION
Psychology is the scientific study of behavior and mental processes that provide the basis of life experience. Students learn to examine psychological processes from multiple perspectives and apply psychological principles and methods to personal and social issues in ways that promote self-understanding, personal development and effective interpersonal relationships as members of a diverse society. The Psychology program provides students with an understanding of the content, methods and applications of psychology that prepares them to pursue a Psychology Degree or career in a growing variety of fields.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

CAREER OPPORTUNITIES
- Administrator
- Behavior Analyst
- Career Counselor
- Community College Counselor
- Community College Instructor
- Drug Abuse Counselor
- Drug Abuse Counselor
- Employment Counselor
- Forensic Psychologist
- Human Factors Specialist
- Marriage and Family Therapist
- Marriage, Family, Child Counselor
- Mental Health Worker
- Mental Health Worker
- Outreach Worker
- Personnel Analyst
- Personnel Analyst/Manager
- Personnel Management Specialist
- Probation Officer
- Psychiatric Aide
- Psychometrist
- Public Health Statistician Trainee
- Research Analyst
- Research Director
- Research Technician
- Social Research Trainee
- Social Services Director
- Space Psychologist
- Sports Psychologist
- Student Affairs Officer
- Survey Designer
- Test Validation and Development Specialist
- Therapist
- Training Officer
- Training Specialist
- University Professor

TRANSFER PREPARATION
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www.CSUMentor.org – CSU System Information

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**PSYCHOLOGY**

**ASSOCIATE DEGREE FOR TRANSFER PROGRAM**

Psychology – A.A.-T Degree for Transfer

Required Core (9-10 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 201</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 200</td>
<td>Research Methods for the Behavioral and Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>MATH 236</td>
<td>Introduction to Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 247</td>
<td>Introduction to Statistics</td>
<td>(4)</td>
</tr>
</tbody>
</table>

List A: Select one course (3-4 credits) from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 202</td>
<td>Introduction to Biological Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or BIO 212</td>
<td>Human Biology</td>
<td>(3)</td>
</tr>
<tr>
<td>and BIO 212L</td>
<td>Human Biology Laboratory</td>
<td>(1)</td>
</tr>
</tbody>
</table>

List B: Select two courses (6 credits) from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 206</td>
<td>Introduction to Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>FMST 212</td>
<td>Human Development: Life Span</td>
<td>3</td>
</tr>
</tbody>
</table>

List C: Select one course (3 credits) from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 233</td>
<td>Personality and Adjustment</td>
<td>3</td>
</tr>
</tbody>
</table>

“P” (Pass) grade is not acceptable for major coursework in the Associate Degrees for Transfer.

In addition to major preparation coursework listed above, completion of the CSU GE or IGETC pattern is mandatory. Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.

---

**ASSOCIATE DEGREE PROGRAM**

Psychology – A.A. Degree

Required Courses (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 201</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 202</td>
<td>Introduction to Biological Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 206</td>
<td>Introduction to Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 233</td>
<td>Personality and Adjustment</td>
<td>3</td>
</tr>
</tbody>
</table>

Students who plan to transfer to a specific four-year college or university should consult the Catalog of that institution for lower division major requirements when selecting elective courses.

Plus two courses 6-10 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 201</td>
<td>Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 203</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 201A</td>
<td>Biology</td>
<td>5</td>
</tr>
<tr>
<td>BIO 201B</td>
<td>Biology</td>
<td>5</td>
</tr>
<tr>
<td>BIO 211</td>
<td>Life Science</td>
<td>3</td>
</tr>
<tr>
<td>BIO 212</td>
<td>Human Biology</td>
<td>3</td>
</tr>
<tr>
<td>FMST 212</td>
<td>Human Development: Life Span</td>
<td>3</td>
</tr>
<tr>
<td>FMST 214</td>
<td>Marriage and Family Relations</td>
<td>3</td>
</tr>
<tr>
<td>FMST 218</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>MATH 236</td>
<td>Introduction to Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 247</td>
<td>Introduction to Statistics</td>
<td>(4)</td>
</tr>
<tr>
<td>PYSC 200</td>
<td>Research Methods for the Behavioral and Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>SDC 201A</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SDC 206</td>
<td>Race and Ethnic Relations</td>
<td>3</td>
</tr>
</tbody>
</table>
RECREATION

DEGREES, CERTIFICATES & AWARDS
- Associate in Arts (A.A.)

DESCRIPTION
The Recreation Administration program at Cuesta College provides students with a solid foundation to continue their education at a four year university. Completion of an associate degree would provide students with the skills necessary to perform at an entry level position in public, commercial, private, or nonprofit settings. The successful students will attain theoretical as well as practical knowledge of recreational program planning, tourism, administration, leadership, sport and tournament planning, event planning, and therapeutic recreation.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

CAREER OPPORTUNITIES

- Event Planning
- Recreational Program Planning
- Sport And Tournament Planning
- Therapeutic Recreation
- Tourism

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: http://www.cuesta.edu/student/aboutmoney/finaid/gainfulemployment/index.html

TRANSFER PREPARATION
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# RECREATION

## ASSOCIATE DEGREE PROGRAM

### Recreation Administration – A.A. Degree

**Required Courses (28 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 201</td>
<td>Introduction to Recreation and Leisure Services</td>
<td>3</td>
</tr>
<tr>
<td>REC 203</td>
<td>Intramural and Recreational Sport Programming</td>
<td>3</td>
</tr>
<tr>
<td>REC 204</td>
<td>Recreation Program Planning</td>
<td>3</td>
</tr>
<tr>
<td>REC 206</td>
<td>Introduction to Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 208</td>
<td>Recreation Leadership</td>
<td>3</td>
</tr>
<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>HEED 202</td>
<td>Health Education</td>
<td>3</td>
</tr>
<tr>
<td>or HEED 208</td>
<td>Multicultural Health</td>
<td>(3)</td>
</tr>
<tr>
<td>HEED 204</td>
<td>Standard First Aid and CPR (Cardiopulmonary Resuscitation)</td>
<td>2</td>
</tr>
<tr>
<td>MATH 247</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
</tbody>
</table>
SPANISH

DEGREES, CERTIFICATES & AWARDS

• Associate in Arts for Transfer (A.A.-T)

DESCRIPTION

The Associate in Arts in Spanish for Transfer degree (A.A.-T in Spanish) will help individuals achieve their academic and career goals by providing a comprehensive foundation in the Spanish language in preparation for transfer to baccalaureate programs in the California State University system in Spanish or similar language programs. The Cuesta College AA-T in Spanish degree allows students to successfully complete a two-year degree program while completing the lower-division coursework required to transfer into the CSU system in a baccalaureate degree program in Spanish or a similar major.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

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www.cuesta.edu/student/aboutmoney/finaid
## SPANISH

### ASSOCIATE DEGREE FOR TRANSFER PROGRAM

**Spanish – A.A.-T Degree for Transfer**

**Required Core (20 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 201</td>
<td>Spanish I</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 202</td>
<td>Spanish II</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 203</td>
<td>Spanish III</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 204</td>
<td>Spanish IV</td>
<td>5</td>
</tr>
</tbody>
</table>

**List A - Select One Course (3-5 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 212</td>
<td>History of the Mexican American</td>
<td>3</td>
</tr>
<tr>
<td>or FR 201</td>
<td>French I</td>
<td>(5)</td>
</tr>
<tr>
<td>or FR 202</td>
<td>French II</td>
<td>(5)</td>
</tr>
</tbody>
</table>

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In addition to major preparation coursework listed above, completion of the CSU GE or IGETC pattern is mandatory.

Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.
SOCIOLOGY

DEGREES, CERTIFICATES & AWARDS
• Associate in Arts for Transfer (A.A.-T)
• Associate in Arts (A.A.)

DESCRIPTION
Sociology is the study of the human social behavior and its origins, development, organizations, and institutions. The study of human behavior in social context assists students to learn who we are, to get closer to the truth about the social world, and to become aware of ways to achieve desired social ends. Sociology and other liberal arts majors stress the ability to observe, organize and write clearly, as well as the development of skills in the analysis of data and in collaborating with others.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

CAREER OPPORTUNITIES

- Budget Analyst
- Correctional Counselor
- Criminologist
- Demographer
- Employment Counselor
- Government Research Analyst
- Industrial Sociologist
- Interviewer/Researcher
- Management Analyst
- Migration Specialist
- Parole/Probation Officer
- Population Analyst
- Public Health Statistician
- Public Opinion Analyst
- Public Relations Consultant
- Recreational Specialist
- Social Ecologist
- Social Worker
- Statistician
- Teacher
- Urban Planner
- Writer/Journalist
- Youth Counselor

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# SOCIOLGY

## ASSOCIATE DEGREE FOR TRANSFER PROGRAM

**Sociology – A.A.-T Degree for transfer**

**Required Core (3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 201A</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

**List A: (Select SOC 202 and either MATH 236 or MATH 247; 6-7 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 202</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>MATH 236</td>
<td>Introduction to Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 247</td>
<td>Introduction to Statistics</td>
<td>(4)</td>
</tr>
</tbody>
</table>

**List B: (Select two courses from the following; 6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 208</td>
<td>Introduction to Gender Studies</td>
<td>3</td>
</tr>
<tr>
<td>SOC 206</td>
<td>Race and Ethnic Relations</td>
<td>3</td>
</tr>
<tr>
<td>SOC 204</td>
<td>Introduction to Criminology</td>
<td>3</td>
</tr>
<tr>
<td>FMST 214</td>
<td>Family, Relationships and Intimacy</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 206</td>
<td>Introduction to Social Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**List C: (Select one course not selected from List B or one course from the following; 3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 201B</td>
<td>Social Institutions</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 203</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 202</td>
<td>Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

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## ASSOCIATE DEGREE PROGRAM

**Sociology – A.A. Degree**

**Required Courses (12 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 201A</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201B</td>
<td>Social Institutions</td>
<td>3</td>
</tr>
<tr>
<td>SOC 202</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC 206</td>
<td>Race and Ethnic Relations</td>
<td>3</td>
</tr>
<tr>
<td>or SOC 208</td>
<td>Introduction to Gender Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

**Plus 9-11 credits from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 203</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 225</td>
<td>Contemporary Cultures of the World</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 202</td>
<td>Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>POLS 204</td>
<td>World Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 206</td>
<td>Comparative Government</td>
<td>3</td>
</tr>
<tr>
<td>HEED 203</td>
<td>Women’s Health Issues</td>
<td>3</td>
</tr>
<tr>
<td>HEED 208</td>
<td>Multicultural Health</td>
<td>3</td>
</tr>
<tr>
<td>HIST 203A</td>
<td>History of World Civilizations</td>
<td>3</td>
</tr>
<tr>
<td>HIST 203B</td>
<td>History of World Civilizations</td>
<td>3</td>
</tr>
<tr>
<td>HIST 204A</td>
<td>History of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 204B</td>
<td>History of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 207A</td>
<td>History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>HIST 207B</td>
<td>History of the United States</td>
<td>3</td>
</tr>
</tbody>
</table>

continued on next page
### Sociology – A.A. Degree continued from page 199

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 210</td>
<td>History of California</td>
<td>3</td>
</tr>
<tr>
<td>HIST 212</td>
<td>History of the Mexican-American</td>
<td>3</td>
</tr>
<tr>
<td>HIST 233</td>
<td>History of the Afro-American</td>
<td>3</td>
</tr>
<tr>
<td>HIST 237</td>
<td>History of American Women</td>
<td>3</td>
</tr>
<tr>
<td>MATH 236</td>
<td>Introduction to Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 247</td>
<td>Introduction to Statistics (4)</td>
<td></td>
</tr>
<tr>
<td>PHIL 206</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 208</td>
<td>Introduction to Logic</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 209</td>
<td>World Religions</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 206</td>
<td>Introduction to Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 204</td>
<td>Introduction to Criminology</td>
<td>3</td>
</tr>
</tbody>
</table>
TRANSFER CERTIFICATES

DEGREES, CERTIFICATES & AWARDS
Certificate of Achievement (C.A.)

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

TRANSFER CERTIFICATES
C.A., CSU GENERAL EDUCATION
Complete the lower-division California State University General Education pattern.

C.A., IGETC GENERAL EDUCATION
Complete the Intersegmental General Education Transfer Curriculum (IGETC).

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WELDING

DEGREES, CERTIFICATES & AWARDS
- Associate in Science (A.S.)
- Certificate of Achievement (C.A.)
- Certificate of Specialization (C.S.)

DESCRIPTION
The Cuesta College Welding Technology program has a strong history of preparing students for work in industry. Students are afforded the opportunity to obtain Certificates of Specialization, Certificates of Achievement and/or an Associate Science Degree in welding technology. The welding curriculum is well rounded with courses ranging from Basic Welding through Certification, as well as courses in Metallurgy, Blueprint Reading and Welding Power. The shop facility includes twenty multi-process welding stations with current power supply technology. There are a total of six part-time instructors and one full-time instructor. Two instructors are CWI’s. Welder qualifications are offered in structural steel and pipe welding to AWS D1.1, ASME Sec IX and API 1104.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS
The Associate Degree requires satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all district requirements for the associate degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition, students must maintain a minimum grade point average and meet the minimum grade requirements of their program.

The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

Transfer Preparation
Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:
www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine
www.CSUmentor.org – CSU System Information

FINANCIAL AID
Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs – grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full- and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information:
www.cuesta.edu/student/aboutmoney/finaid
## WELDING

### ASSOCIATE DEGREE PROGRAM

#### Welding Technology – A.S. Degree

**Required Courses (19 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 226</td>
<td>Engineering Drawing I</td>
<td>4</td>
</tr>
<tr>
<td>WELD 270A</td>
<td>Basic Welding</td>
<td>3</td>
</tr>
<tr>
<td>WELD 270B</td>
<td>Advanced Welding</td>
<td>3</td>
</tr>
<tr>
<td>WELD 270C</td>
<td>Welding: GMAW and GTAW</td>
<td>3</td>
</tr>
<tr>
<td>WELD 277</td>
<td>Metal Fabrication</td>
<td>3</td>
</tr>
<tr>
<td>WELD 280A</td>
<td>Structural Steel Welding Certification</td>
<td>3</td>
</tr>
<tr>
<td>or WELD 280B Pipe Welding Certification</td>
<td>(3)</td>
<td></td>
</tr>
</tbody>
</table>

Plus 5-6 credits of technical electives from the following:

(Must choose two of the following courses)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELD 173</td>
<td>Metallurgy</td>
<td>3</td>
</tr>
<tr>
<td>WELD 175</td>
<td>Blueprint Reading Materials</td>
<td>3</td>
</tr>
<tr>
<td>WELD 176</td>
<td>Welding Power</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 100</td>
<td>Workplace Safety</td>
<td>2</td>
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</table>

### CERTIFICATE PROGRAM

#### Welding Technology - C.A. Certificate

**Required Courses (18-19 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 226</td>
<td>Engineering Drawing I</td>
<td>4</td>
</tr>
<tr>
<td>or WELD 175</td>
<td>Blueprint Reading and Materials Processing</td>
<td>(3)</td>
</tr>
<tr>
<td>WELD 270A</td>
<td>Basic Welding</td>
<td>3</td>
</tr>
<tr>
<td>WELD 270B</td>
<td>Advanced Welding</td>
<td>3</td>
</tr>
<tr>
<td>WELD 277</td>
<td>Metal Fabrication</td>
<td>3</td>
</tr>
<tr>
<td>WELD 280A</td>
<td>Structural Steel Welding Certification</td>
<td>3</td>
</tr>
<tr>
<td>WELD 280B</td>
<td>Pipe Welding Certification</td>
<td>3</td>
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</table>

### CERTIFICATE PROGRAM

#### Welding Technology Pipe - C.S. Certificate

**Required Course (3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELD 280B</td>
<td>Pipe Welding Certification</td>
<td>3</td>
</tr>
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### CERTIFICATE PROGRAM

#### Welding Technology Structural Steel - C.S. Certificate

**Required Course (3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELD 280A</td>
<td>Structural Steel Welding Certification</td>
<td>3</td>
</tr>
</tbody>
</table>
NON-CREDIT

DEGREES, CERTIFICATES & AWARDS

• Certificate of Completion (C.C.)

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

The Certificate Programs are designed for students with personal or occupational goals who wish early employment, promotion or lateral transfer. To qualify for Certificate of Achievement or Certificate of Specialization, a student must satisfy the following requirements: (1) complete all courses listed for a particular Certificate, (2) achieve a “C” average (2.0 GPA) for all courses used to complete the Certificate and, (3) submit a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

TRANSFER PREPARATION

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Transfer Resources:

www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine

www.CSUMentor.org – CSU System Information

FINANCIAL AID

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www.cuesta.edu/student/aboutmoney/finaid
## NON-CREDIT

### CERTIFICATE PROGRAM

#### English As A Second Language - C.C. Certificate

<table>
<thead>
<tr>
<th>Required Courses (0.0 credits)</th>
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</thead>
<tbody>
<tr>
<td>ESL 701 ESL Beginning Literacy - Level 1 0</td>
</tr>
<tr>
<td>ESL 702 ESL Beginning Literacy - Level 2 0</td>
</tr>
<tr>
<td>ESL 703 ESL Beginning Literacy - Level 3 0</td>
</tr>
<tr>
<td>ESL 704 ESL Beginning Literacy - Level 4 0</td>
</tr>
<tr>
<td>ESL 705 ESL Beginning Literacy - Level 5 0</td>
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<tr>
<td>ESL 706 ESL Advanced 0</td>
</tr>
</tbody>
</table>

#### Vocational English As A Second Language - C.C. Certificate

<table>
<thead>
<tr>
<th>Required Courses (0.0 credits)</th>
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<tbody>
<tr>
<td>VESL 701 Work-Related Conversational Skills, Level 1 0</td>
</tr>
<tr>
<td>VESL 702 Work-Related Conversational Skills, Level 2 0</td>
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</table>

### CERTIFICATE PROGRAM

#### Secondary Education - C.C. Certificate

<table>
<thead>
<tr>
<th>Required Courses (0.0 credits)</th>
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<tbody>
<tr>
<td>HSD 400 HSD Non-Credit Basic Skills, Drawing 0</td>
</tr>
<tr>
<td>HSD 401 HSD Non-Credit Basic Skills, Painting 0</td>
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<tr>
<td>HSD 402 HSD Non-Credit Basic Skills, Ceramics 0</td>
</tr>
<tr>
<td>HSD 403 HSD Non-Credit Basic Skills, Visual Design 0</td>
</tr>
<tr>
<td>HSD 404 HSD Non-Credit Basic Skills, Biology 0</td>
</tr>
<tr>
<td>HSD 405 HSD Non-Credit Basic Skills, Chemistry 0</td>
</tr>
<tr>
<td>HSD 406 HSD Non-Credit Basic Skills, Economics 0</td>
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<tr>
<td>HSD 407 HSD Non-Credit Basic Skills, World History 0</td>
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<td>HSD 408 HSD Non-Credit Basic Skills, U.S. History 0</td>
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<tr>
<td>HSD 409 HSD Non-Credit Basic Skills, Algebra I 0</td>
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<tr>
<td>HSD 410 HSD Non-Credit Basic Skills, Algebra II 0</td>
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<tr>
<td>HSD 411 HSD Non-Credit Basic Skills, Geometry 0</td>
</tr>
<tr>
<td>HSD 412 HSD Non-Credit Basic Skills, Political Science 0</td>
</tr>
<tr>
<td>HSD 413 HSD Non-Credit Basic Skills, Psychology 0</td>
</tr>
<tr>
<td>HSD 414 HSD Non-Credit Basic Skills, Spanish I 0</td>
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<tr>
<td>HSD 415 HSD Non-Credit Basic Skills, Spanish II 0</td>
</tr>
<tr>
<td>HSD 416 HSD Non-Credit Basic Skills, Spanish III 0</td>
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</table>
COURSES OF INSTRUCTION
COURSES OF INSTRUCTION

In the following list of courses, the credit value of each course in semester credits is indicated by a number in parentheses after the course title.

Course descriptions followed by the notation (Transfer:....) indicate that the course is transferable to the California State University system, to the University of California system, or both. A student should contact a counselor to determine which courses are applicable to the student’s educational objective.

COURSE NUMBERING

000-099  Non-Degree Applicable and Non-Transferable
100-199  Degree Applicable and Non-Transferable
200-299  Degree Applicable and Transferable
500-599  Non-Credit Courses
700-799  Non-Credit ESL and Vocational ESL Courses

Special Topics (093/193) These are course offerings designed in specific disciplines to test new curriculum before adopting it as a part of an academic program. Course credit values range from 0.5 to 4.0 credits.

Independent Study (047/147/247) These courses are academic opportunities for students who are capable of independent work and demonstrate the need or desire for additional study, beyond the regular curriculum. These courses are not intended to replace existing courses in the discipline. In this course, students will have a written contract with their instructor for activities such as: preparing problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

PREREQUISITE, COREQUISITE, ADVISORIES AND LIMITATIONS ON ENROLLMENT

The San Luis Obispo Community College District has adopted a policy in order to provide for the establishing, reviewing and challenging of prerequisites, corequisites, and advisories.

Definitions:

Prerequisite means a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. Courses used to satisfy a prerequisite must be completed with a grade of “C” or better.

Corequisite means a condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course.

Advisory means a condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program.

Limitations on Enrollment means a condition of enrollment which may include the following:

a. Auditions or tryouts for courses which include public performance and intercollegiate competition, such as a band, orchestra, theater, chorus, and intercollegiate athletics.

Repeatable Courses

A repeatable course is identified in the college catalog and online Class Finder as repeatable more than one time.

A non-repeatable course is a course in the college catalog that is not identified as repeatable.

COURSE FAMILY REPEATS (see chart on page 207)

Enrollment in active participatory courses in physical education, visual arts, or performing arts that are related in content (courses where individual study or group assignments are the means by which learning objectives are obtained) is limited to no more than four times maximum. This limitation applies even if a student receives a substandard grade or “W” during one or more of such a course or petitions for repetition due to extenuating circumstances.

Cuesta identifies the following active participatory course families where enrollment is limited to a maximum of four (4) times within the repeat family group under the following conditions:

• Equivalent courses are counted in the four (4) enrollment maximum.

Example: KINA 246 was formerly PEAC 286 (Yoga) so past earned grades and “W” for PEAC 286 count toward overall 4 enrollment maximum.

• A course that is completed with a passing grade of “C” or higher may not be repeated within the family group.

• A course where a substandard grade or “W” grade is earned may be repeated to earn a passing grade.

  o A student will be blocked from enrolling for a third (3rd) attempt for a single course within a family repeat group if two (2) prior substandard grades are earned. The student will need to submit a Third Enrollment Agreement to be released to enroll for a third (3rd) attempt in the same course.

  o Substandard Grade - a grade of “D+,” “D,” “D-,” “F,” “FW,” “NP,” or “NC.”

• A maximum of three (3) “W” symbols may be earned for a course. A student will be blocked from registering for a course where three prior “W” symbols have been earned for a single course within a family repeat group.

• In-progress courses without a final grade are counted in enrollment of family repeat group.

COURSE STUDENT LEARNING OUTCOMES

Course Student Learning Outcomes can be accessed on the Cuesta CurricUNET site on the course outline of record (click on the WR icon) at the following link:

http://www.curricunet.com/Cuesta/search/course/
<table>
<thead>
<tr>
<th>Family Code</th>
<th>Description</th>
<th>Courses</th>
<th>Equivalent Course</th>
<th>Department</th>
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</thead>
<tbody>
<tr>
<td>BAS</td>
<td>Basketball</td>
<td>KINA 271</td>
<td>PEAC 292</td>
<td>Kinesiology</td>
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<tr>
<td></td>
<td></td>
<td>KINA 272</td>
<td></td>
<td>(805) 546-3207</td>
</tr>
<tr>
<td></td>
<td></td>
<td>KINA 278</td>
<td>PEAC 293</td>
<td></td>
</tr>
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<td>CON</td>
<td>Endurance</td>
<td>KINA 232</td>
<td>PEAC 266</td>
<td>Kinesiology</td>
</tr>
<tr>
<td></td>
<td>Conditioning</td>
<td>KINA 233</td>
<td>PEAC 267</td>
<td>(805) 546-3207</td>
</tr>
<tr>
<td></td>
<td></td>
<td>KINA 251</td>
<td>PEAC 274</td>
<td></td>
</tr>
<tr>
<td>DRA</td>
<td>Drawing</td>
<td>ART 221</td>
<td></td>
<td>Fine Arts</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ART 222</td>
<td></td>
<td>(805) 546-3936</td>
</tr>
<tr>
<td>ENS</td>
<td>Ensemble</td>
<td>MUS 231</td>
<td></td>
<td>Performing Arts</td>
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<td></td>
<td></td>
<td>MUS 232A</td>
<td></td>
<td>(805) 546-3936</td>
</tr>
<tr>
<td>ETC</td>
<td>Etching</td>
<td>ART 241A</td>
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<td>ART 241B</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>ART 241C</td>
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<td>FDR</td>
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<td>ART 223</td>
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<td></td>
<td>ART 224</td>
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<tr>
<td>MSH</td>
<td>Musicianship</td>
<td>MUS 205A</td>
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<td>Performing Arts</td>
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<td></td>
<td></td>
<td>MUS 205B</td>
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</tr>
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<td></td>
<td></td>
<td>MUS 205C</td>
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<td>MTH</td>
<td>Music Theory</td>
<td>MUS 204A</td>
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<tr>
<td></td>
<td></td>
<td>MUS 204B</td>
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<td></td>
<td>MUS 204C</td>
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<tr>
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<td>(805) 546-3936</td>
</tr>
<tr>
<td>PHO</td>
<td>Photography</td>
<td>ART 244</td>
<td></td>
<td>Fine Arts</td>
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<td></td>
<td></td>
<td>ART 245</td>
<td></td>
<td>(805) 546-3936</td>
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<tr>
<td>PIA</td>
<td>Piano</td>
<td>MUS 258</td>
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<tr>
<td>REC</td>
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<td>MUS 241</td>
<td></td>
<td>(805) 546-3936</td>
</tr>
<tr>
<td>SCU</td>
<td>Sculpture</td>
<td>ART 271</td>
<td></td>
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<td></td>
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<td>(805) 546-3936</td>
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<tr>
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<td>Sculpture Foundry</td>
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<td>ART 274B</td>
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<td>(805) 546-3936</td>
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<td>ART 274C</td>
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<td>(805) 546-3936</td>
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<td>WAT</td>
<td>Watercolor</td>
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<td>Fine Arts</td>
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<td>ART 233</td>
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<td>(805) 546-3936</td>
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<tr>
<td>WHE</td>
<td>Ceramics</td>
<td>ART 281A</td>
<td></td>
<td>Fine Arts</td>
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<td>Wheel-Throwing</td>
<td>ART 281B</td>
<td></td>
<td>(805) 546-3936</td>
</tr>
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<td>WTT</td>
<td>Weight Training</td>
<td>KINA 201</td>
<td>PEAC 270</td>
<td>Kinesiology</td>
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<tr>
<td></td>
<td></td>
<td>KINA 202</td>
<td>PEAC 271</td>
<td>(805) 546-3207</td>
</tr>
</tbody>
</table>
COURSE MATERIAL FEES

Credit and non-credit courses with mandatory material fees are identified in the college catalog, class schedule, and class finder. Material fees are charged at the time of registration. Materials fees for classes dropped prior to the start of the term are automatically credited or reversed to student accounts. See the Cashier’s Office for help with materials fees for classes dropped within the two-week drop deadlines.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Material Fee Amount</th>
<th>Course Number</th>
<th>Material Fee Amount</th>
<th>Course Number</th>
<th>Material Fee Amount</th>
<th>Course Number</th>
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<tbody>
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<td>ARCH 205</td>
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<td>ART 245</td>
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<td>$7.00</td>
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<td>ART 284</td>
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<td>ART 259</td>
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ACADEMIC SKILLS [ACSK]

004 ADAPTED STUDIES: LECTURE (1.00 to 2.00)
1.00 - 2.00 hours per week: (1.00 - 2.00 lecture hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Presents curricula and instruction, not available in other courses in a lecture format, to meet identified special learning needs of disabled students. May include advanced training in comprehension, phonetics, computer-assisted instruction, or other specialized topics. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised.
Repeatable 1 time(s).

019 INTRODUCTION TO COMPUTERS USING ASSISTIVE TECHNOLOGY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
An introduction to computers designed for students with disabilities. Discusses the history of the personal computer as well as how it relates to students with disabilities. Students will also learn about the components that make up a personal computer and relevant information which will enable them to create an ideal computer system for themselves.
Repeatable 3 time(s).

022 INTRODUCTION TO COMPUTERS USING ASSISTIVE TECHNOLOGY (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
An introduction to the Internet designed for students with disabilities. Discusses the Internet as well as how it relates to students with disabilities. Students will also learn about the components that make up the Internet and relevant information, which will allow them to search on the Internet with the latest search engines. New technologies affecting the Internet will also be discussed and used in context to the educational setting.
Repeatable 3 time(s).

025 COMPUTER ACCESS: ADAPTED WORD PROCESSING I
3.00 hours per week: (1.50 lecture hours, 1.50 lab hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Advisories: Ability to type 20 words per minute (depending upon nature of disability).
Introduces the use of microcomputer access technologies for students with physical or learning disabilities within the context of word processing.
Repeatable 1 time(s).

031 COMPUTER ACCESS: APPLICATIONS (2.00)
3.00 hours per week: (1.50 lecture hours, 1.50 lab hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Advisories: MATH 003, ENGL 099, Ability to type 15 words per minute.
Associate Degree Non-Applicable
Presents the use of computer access technologies for students with physical and/or learning disabilities within the context of word processing, database, and spreadsheet programs. Designed for students with verified disabilities.
Repeatable 1 time(s).

032 READING COMPREHENSION (1.00 to 2.00)
1.00 - 2.00 hours per week: (1.00 - 2.00 lecture hours, 0.00 - 0.00 lab hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Designed for students who have difficulty understanding and remembering what they read. Includes progressive instruction in sentence, paragraph, essay, and textbook chapter comprehension. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised.
Repeatable 2 time(s).

047 INDEPENDENT STUDIES: ACADEMIC SKILLS (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of learning skills under the direction of an instructor. An appointment with a Disabled Student Programs and Services faculty member is strongly advised.
Repeatable 3 time(s).

050 WRITING FUNDAMENTALS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Advisories: For speakers of languages other than English, completion of the English as a Second Language (ESL) sequence is highly recommended.
Focuses on the grammar, punctuation, sentence writing, and paragraph writing skills students need to succeed in basic English courses. Provides intensive practice, multisensory instruction, and individualized assistance to promote the written language development of students with diverse needs and backgrounds, including students with learning disabilities and speakers of other languages. Offered as a prerequisite to the basic English writing course for students who do not receive a qualifying score on the Assessment test or equivalent.
Repeatable 3 time(s).

075 ARITHMETIC FUNDAMENTALS (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Provides a basic arithmetic and math study skills course for students who have a history of difficulties in mathematics. This course uses alternative and active approaches for learning the concepts and skills of place value, basic operations, fractions, decimals, percentages, word problems, learning styles, and math study strategies.
Repeatable 1 time(s).
093A WELLNESS ARTS (2.00)
3.00 hours per week: (1.50 lecture hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Advisories: Consult with Wellness Arts Coordinator.
Presents art as a tool for processing, expressing and managing mental health issues as they relate to succeeding in a college environment. Examines internal and external factors that affect wellness in the college setting and strategies for managing them. Provides skills for establishing and assessing educational goals. Students will learn to advocate for themselves and others with the knowledge of campus and community resources. Creates an atmosphere for team-building and self-discovery. Designed for students who struggle with levels of anxiety, sadness, intrusive thoughts, and social phobia that may make attending and succeeding in college difficult.

193 ACADEMIC SKILLS SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

247 INDEPENDENT STUDIES: ACADEMIC SKILLS (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Advisories: ENGL 156
Provides an opportunity for an in-depth study or practicum experience by an individual student in a selected topic of tutor training or disability research.
Transfer: CSU.

500 GED TEST PREPARATION (0)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Non-Applicable
Non-Credit/Non-Graded
Designed to prepare students in basic skills, including the five areas of the GED examination: Mathematics, Science, Social Studies, Language Arts-Writing I and II, and Language Arts-Reading. Material is presented through a variety of methods, including teacher-led, computer-assisted and individualized instruction as well as working at problem-solving in pairs and small groups. The course is repeatable.
Repeatable.

ANTHROPOLOGY [ANTH]

201 PHYSICAL ANTHROPOLOGY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents an introduction to the science of physical anthropology. Topics include: the fields of anthropology, the scientific method, evolutionary theory, genetics and inheritance, human variation, biology and behavior of living primates, and the fossil evidence of human evolution.
Transfer: CSU; UC.

201L PHYSICAL ANTHROPOLOGY LABORATORY (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Corequisites: ANTH 201
Utilizes the hands-on laboratory approach in studying primatology, osteology, dentition, genetics and human variation. Both fossil and contemporary will be studied.
Transfer: CSU; UC.

202 ARCHAEOLOGY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents an introduction to archaeological theory and concepts, as well as an overview of both New and Old World archaeology.
Transfer: CSU; UC.

203 CULTURAL ANTHROPOLOGY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents an introduction to the concepts of cultural anthropology, different perspectives for the study of culture and their application. Primitive cultures are studied both as they existed before contact with Western civilization and as they are today.
Transfer: CSU; UC.

220 CALIFORNIA INDIANS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents a history of the California Indians, including their prehistory, the Indians at the time of European contact, the Spanish period, the early Anglo-American period, and the Indians today.
Transfer: CSU; UC.

221 NORTH AMERICAN INDIANS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Studies the North American Indians, including their lifestyle at the time of contact, their reactions to European contact, and the Indians at present.
Transfer: CSU; UC.

225 CONTEMPORARY CULTURES OF THE WORLD (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Studies the ways of life of people in different regions of the world, including Latin America, Middle East, East Asia, and Africa. Beliefs, values, and other social characteristics such as family, economics, and religion will be studied.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: ANTHROPOLOGY (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of anthropology under the direction of an instructor.
Transfer: CSU.

ARCHITECTURE [ARCH]

193 ARCHITECTURE SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

193B ARCHITECTURAL PORTFOLIO DESIGN WORKSHOP (0.50)
1.10 hours per week: (0.22 lecture hours, 0.88 lab hours)
Associate Degree Applicable
Pass/No Pass Only
Prerequisites: ARCH 221 and ARCH 232 or comparable experience with Adobe Photoshop
Presents principles, concepts, methods, and skills pertaining to the design and preparation of architectural portfolios and presentations, with particular emphasis on using Adobe InDesign software for page layout and document production.

195 TECHNICAL CAREER PREPARATION IN ARCHITECTURE (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Overview of architectural careers with focus on preparing for the job market. Includes discussion of career opportunities in architecture, both union and non-union. Focus on providing the tools necessary to target and obtain a position in the architectural industry.

201 INTRODUCTION TO ARCHITECTURE AND ENVIRONMENTAL DESIGN (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 201A
Introduces a critical framework for regarding buildings as works of architecture. Explores the nature of the architectural profession and how it relates to other environmental design fields, such as city and regional planning, urban design, and landscape architecture. Examines how building and environmental design professions are responding to the profound challenges of living sustainability in the 21st century. This course is intended for the student intending to transfer to a university major in architecture or a related environmental design discipline.
Transfer: CSU; UC (For UC, maximum credit of 18 units between ARCH 201, 213, 221, 222, 251 and 252).

205 ARCHITECTURAL MODEL MAKING (2.00)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ARCH 221 and CTCH 250
Advisories: Completion of or concurrent enrollment in ARCH 222, ARCH 231, or high school drafting.
Introduces basic concepts and creation of 3D scaled material architectural models for visual representation and communication of architectural design.
Transfer: CSU.
221 DESIGN AND VISUAL COMMUNICATION I (4.00)
8.00 hours per week: (2.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents principles, concepts, methods and skills pertaining to freehand and drafted drawings employing orthographic, axonometric, oblique and lineal perspective drawing systems to represent ideas, objects and environments. Includes principles and concepts of two- and three-dimensional visual design. Covers basic color theory principles, concepts and application; basic physical model building concepts and skills; shadow casting principles, conventions and techniques for orthographic, axonometric, oblique and perspective drawing systems.
Transfer: CSU; UC (For UC, maximum of 18 units between ARCH 201, 213, 221, 222, 251 and 252).

222 DESIGN AND VISUAL COMMUNICATION II (4.00)
8.00 hours per week: (2.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ARCH 221 and Completion of or concurrent enrollment in ARCH 232.
Continuation and extension of the content and issues introduced in ARCH 221, plus the principles, concepts, methods and skills pertaining to the freehand, drafted and digital visualization and communication of quantitative and qualitative information to support analysis and conceptualization.
Transfer: CSU; UC (For UC, maximum of 18 units between ARCH 201, 213, 221, 222, 251 and 252).

230 ARCHITECTURAL COMPUTER AIDED DRAFTING AND DESIGN (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGR 125
Presents the use of computer aided drafting and design software as a tool for generating construction drawings, 3D modeling and design presentations. This course provides an introduction to the use of Architectural Desktop and 3D Studio VIS as it applies to architectural practice.
Transfer: CSU.

232 ARCHITECTURAL DESIGN & PRESENTATION COMPUTER GRAPHICS (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ARCH 221
Introduces computer design and presentation skills for architecture students including image editing, page layout, and 3D modeling.
Transfer: CSU.

242 INTRODUCTION TO ARCHITECTURAL PRACTICE (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: CTCH 250, ARCH 221, and completion of or concurrent enrollment in ARCH 230.
Introduces the concepts and methods associated with the use and application of construction systems, processes and materials. Emphasis is placed on the standards and conventions used to detail and document light framed construction.
Transfer: CSU.

244 ARCHITECTURAL ENVIRONMENT CONTROL SYSTEMS (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: PHYS 205B
Advisories: Completion of or concurrent enrollment in ARCH 252.
Introduces the theory and application of climate, energy use and comfort as determinates of architectural form. Includes architectural methods of ventilating, cooling, heating, and lighting for envelope-load dominated buildings. Acceptable for credit, CSU, (credit based on portfolio review).
Transfer: CSU.

245 INTRODUCTION TO GREEN BUILDING AND LEED GREEN ASSOCIATE CREDENTIAL PREPARATION (1.50)
1.50 hours per week: (1.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: CTCH 250 or ID 276 or Equivalent professional experience.
Explores the environmental impacts of the built environment, principals of green building design and construction, available rating/certification systems for green building, with an in-depth review of the LEED Rating Systems and their applications, specifically the LEED Building Design and Construction (BD&C) Rating System. At the completion of the course, a review will be completed to support preparation to apply for the LEED Green Associate Credential Exam.
Transfer: CSU.

246 GREEN BUILDING AND LEED AP BD+C EXPERIENCE (1.50)
1.50 hours per week: (1.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ARCH 245 and LEED Green Associate Credential Prep or equivalent professional experience.
Explores the environmental impacts of the built environment, principals of green building design and construction, available rating/certification systems for green building, with an in-depth review and exploration of the LEED Rating Systems and their applications, specifically the LEED Building Design and Construction (BD+C) Rating System. The course will be primarily focused on the partial documentation/certification of a project pursuing LEED certification. At the completion of the course, a review will be completed to support preparation to apply for the LEED AP BD+C Credential Exam.
Transfer: CSU.

247 INDEPENDENT STUDIES: ARCHITECTURE (0.50 to 2.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
248 GREEN BUILDING AND HOME LEED AP HOME EXPERIENCES (1.50)
1.50 hours per week: (1.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ARCH 245 and LEED GREEN Associate Credential Prep or Equivalent professional experience.
Explores the environmental impacts of the built environment, principals of green residential building design and construction, available rating/certification systems for green building, with an in-depth review and exploration of the LEED Rating System and their applications, specifically the LEED for Homes Rating System. The course will be primarily focused on the partial documentation/certification of a project pursuing LEED for Homes Certification. At the completion of the course, a review will be completed to support preparation to apply for the LEED Homes Credential Exam.
Transfer: CSU.

251 ARCHITECTURAL DESIGN FUNDAMENTALS I (5.00)
9.00 hours per week: (3.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ARCH 222
Presents theories, principles, methods and means of creative problem solving, two- and three-dimensional visual organizations to communicate concepts and meanings, basic verbal and visual communication skills, analysis of the built environment with emphasis on the creation and interrelationship of architectural form, function, and light.
Transfer: CSU; UC (For UC, maximum of 18 units between ARCH 201, 213, 221, 222, 251 and 252).

252 ARCHITECTURAL DESIGN FUNDAMENTALS II (5.00)
9.00 hours per week: (3.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ARCH 251
Continuation of theories, principles, methods and means of creative problem solving, two- and three-dimensional visual organizations to communicate concepts and meanings, basic verbal and visual communication skills, analysis of the built environment with emphasis on the creation and interrelationship of architectural form, function, structure and context.
Transfer: CSU; UC (For UC, maximum of 18 units between ARCH 201, 213, 221, 222, 251 and 252).

193 ART SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or practicum experience by an individual student in a selected topic of architecture under direction of an instructor.
Transfer: CSU.
political, and aesthetic context of the time.

Transfer: CSU; UC.

206 SURVEY OF ART HISTORY: NON-WESTERN ART (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 201A
Provides an overview of non-western art and architecture. Includes cultural and historical background of African, Asian, Native American, Pre-Columbian, and other non-Western traditions.

Transfer: CSU; UC.

220 FUNDAMENTALS OF 2-D DESIGN (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Introduces the design elements and principles common to all visual art forms including line, shape, value, texture, color, and space. Develops visual vocabulary for artistic expression through lecture presentations, creative problem solving, and studio projects.

Transfer: CSU; UC.

221 DRAWING I (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Introduces the practice and theories of drawing, including the visual elements and principles. Employs a wide range of subject matter and drawing media. Focuses on perceptually based drawing, observational skills, techniques, and creative responses to materials and subject matter. Presents an overview of the art of drawing in an historical and contemporary context.

Transfer: CSU; UC.

222 DRAWING II (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 221
Explores artistic concepts, styles, and creative expression related to intermediate-level drawing. Focuses on complex subject matter and concepts using a variety of drawing mediums, techniques, and methodologies. Students will incorporate personal approaches to content and materials in drawing projects covering both historical and contemporary methods.

Transfer: CSU; UC.

223 FIGURE DRAWING I (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 221
Introduces drawing the human figure from observation of live models. Presents a wide variety of drawing media and techniques. Topics include an introduction to human anatomy, the historical and contemporary roles of figure drawing in the visual arts, and expressive, interpretive approaches to drawing the figure.

Transfer: CSU; UC.

224 FIGURE DRAWING II (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 223
Continues ART 223 with an emphasis on personal interpretation and the development of content. Focuses on the figure in context and in finished compositions.

Transfer: CSU; UC.

229 COLOR (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ART 220
Provides an overview of the art of drawing in an historical and contemporary context.

Transfer: CSU; UC.

230 PAINTING I (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 220 and ART 221
Introduces painting techniques, methods, materials and language. Explores processes, color theory and paint mixing, brushwork and composition, as well as creative responses to materials and subject matter.

Transfer: CSU; UC.

231 PAINTING II (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 230
Presents a continuation of ART 230 with an emphasis on contemporary issues in painting. Composition and content are also stressed.

Transfer: CSU; UC.

232 WATERCOLOR I (2.00 to 3.00)
4.00 - 6.00 hours per week: (1.00 - 2.00 lecture hours, 3.00 - 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 220 and ART 221
Explores the fundamental techniques and creative use of aqueous media in painting on paper.

Transfer: CSU; UC.

233 WATERCOLOR II (2.00 to 3.00)
4.00 - 6.00 hours per week: (1.00 - 2.00 lecture hours, 3.00 - 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 232
Continues ART 232 with an emphasis on problem-solving, composition and development of personal style.

Transfer: CSU; UC.

234 FIGURE PAINTING (2.00 to 3.00)
4.00 - 6.00 hours per week: (1.00 - 2.00 lecture hours,
3.00 - 4.00 lab hours
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 223 and ART 230
Advisories: ART 224 and ART 231
Introduces the fundamentals of painting from the human figure, the creative use of various painting media, and the figure in context.
Transfer: CSU; UC.

235 MURAL PAINTING (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 220 and ART 221 or ART 230
Introduces mural painting and processes. Includes analyzing a site, developing a design and proposal, the study and application of painting materials, executing a mural in a public space, and working in a collaborative environment. Presents a contemporary and historical view of mural painting. Students may need to travel to mural site.
Transfer: CSU; UC.

240 INTRODUCTION TO PRINT MEDIA (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Introduces a variety of print media including traditional printmaking practices such as relief, etching, lithography and screen print. Includes contemporary print media such as photocopy, computer generated images and artists’ books. Presents the art of printmaking in an historical and contemporary context.
Transfer: CSU; UC.

241A ETCHING I (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 221
Offers instruction and studio practice in beginning etching and drypoint printmaking techniques as well as the designing of images appropriate to these techniques.
Transfer: CSU; UC.

241B ETCHING II (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 241A
Offers instruction and studio practice in intermediate etching techniques as well as the designing of images appropriate to these techniques. Emphasizes contemporary art issues related to etching.
Transfer: CSU; UC.

241C ETCHING III (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 241B
Offers instruction and studio practice in expanded intermediate etching techniques including multiple plate printing and collagraph. Emphasizes contemporary art issues related to etching.
Transfer: CSU; UC.

243 BOOK ARTS (2.00 to 3.00)
4.00 - 6.00 hours per week: (1.00 - 2.00 lecture hours, 3.00 - 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 220
Introduces the processes, principles, and tools of black and white photography. Topics include the development of technical and aesthetic skills, the elements of design and composition, camera technology, materials and equipment, within an historical and contemporary context. A 35mm film camera is required for class.
Transfer: CSU; UC.

245 PHOTOGRAPHY II (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ART 244
Continues the study of photography as a fine art. Presents intermediate level concepts, processes, principles, and tools of black and white photography. Topics emphasize the development of photographic work as a means of personal expression through content, the elements of design and composition, and technique. Photography will be considered in an historical and contemporary context. A 35mm film camera is required for class.
Transfer: CSU; UC.

249 DIGITAL PHOTOGRAPHY (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Introduces the processes, principles, and tools of digital photography. Topics include the development of technical and aesthetic skills, the elements of design and composition, camera technology, materials and equipment, within an historical and contemporary context.
Transfer: CSU; UC.

251 ALTERNATIVE PHOTOGRAPHIC PROCESSES (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 244
Explores creative photographic techniques emphasizing experimental manipulation of the photographic image. Introduces silver and non-silver alternative photographic techniques including multiple image usage, high contrast
materials, toning, image transfer, and digital negative with emphasis on personal expression, content, and development of style.

Transfer: CSU.

252 PHOTOGRAFIC LIGHTING (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 244
Explores various photographic lighting techniques emphasizing artificial sources. Introduces the student to modifying available light, tungsten light and strobe light on location and in the studio environment.
Transfer: CSU.

253 DIGITAL ART (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Introduction to concepts, practices, and theories of digital art production in a fine arts context. Topics include integration of design, color, and compositional principles with contemporary digital tools and mixed media approaches.
Transfer: CSU; UC.

255 ADOBE ILLUSTRATOR: ART, DESIGN, AND ILLUSTRATION (1.00 to 3.00)
2.00 - 6.00 hours per week: (0.67 - 2.00 lecture hours, 1.33 - 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: Basic computer skills.
Presents primary instruction in digital drawing and illustration using Adobe Illustrator. Students will learn how to edit and create drawings and illustrations, use drawing and image creation tools, type, layout, and organizational features, filters, and format images for print, web and other digital media.
Transfer: CSU.

256 ADOBE PHOTOSHOP: ART, DESIGN, AND PHOTOGRAPHY (1.00 to 3.00)
2.00 - 6.00 hours per week: (0.67 - 2.00 lecture hours, 1.33 - 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: Basic computer skills.
Presents primary instruction in digital imaging and editing using Adobe Photoshop. Students learn how to edit and create digital photographs and composite images. Students will use drawing and image creation tools; study type, layout, and organizational features; will use filters; and format images for print, web and other digital media.
Transfer: CSU.

258 ADOBE INDESIGN: ART, DESIGN, AND PHOTOGRAPHY (1.00 to 3.00)
2.00 - 6.00 hours per week: (0.70 - 2.00 lecture hours, 1.30 - 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: Basic computer skills.
Introduces digital prepress production involving preparation of pages for reproduction on any kind of press or printing system. Presents topics and practical experience in Adobe InDesign, work flow, terminology, file types, font issues, job requirements, various digital input devices, complex file storage and transfer systems, and output options for hard copy.
Transfer: CSU.

259 ADOBE DREAMWEAVER: ART, DESIGN AND INTERACTIVITY (1.00 to 3.00)
4.00 - 6.00 hours per week: (1.00 - 2.00 lecture hours, 3.00 - 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ART 256
Introduces web page design using Adobe Dreamweaver. Covers a comprehensive range of tasks and functions of the software used in the process of designing and creating artistic and visually dynamic web sites.
Transfer: CSU.

265 ADOBE FLASH: ART, DESIGN, AND ANIMATION (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ART 255
Advisories: ART 256
Introduces the basic principles of animation, interactivity, and other time-based media projects using Adobe Flash Professional. Students will learn how these principles are used to construct games, animations and interactive media.
Transfer: CSU.

266 GRAPHIC DESIGN (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ART 255 with a minimum grade of C or better (3.0 units) or ART 256 with a minimum grade of C or better (3.0 units)
Introduces principles and processes used in the creative and practical exploration of visual communication. Topics may include digital layout, graphics, illustrations, photography, animation, video and multimedia. Projects incorporate symbols and typography into visual design, exploring interrelationships between formal elements and symbolic content.
Transfer: CSU.; UC.

267 INTERMEDIATE GRAPHIC DESIGN (2.00 to 3.00)
4.00 - 6.00 hours per week: (1.00 - 2.00 lecture hours, 3.00 - 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 266
Continues the practical skills of ART 266 emphasizing critical assessment of the design principles used in visual communication as well as creative and practical exploration. Topics in this class are fundamental to the creation of digital layout, graphics, illustrations, photography, animation, video and multimedia.
Transfer: CSU.
268 TYPOGRAPHY (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ART 255 or ART 256
Introduces basic principles in the effective use of type.
Emphasis is on the use of typography in graphic design.
Topics include the history of type, aesthetic qualities of
letterforms, anatomy of the letter, typeface and style, and
compositional arrangement.
Transfer: CSU; UC.

270 FUNDAMENTALS OF 3-D DESIGN (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Introduces the elements and principles of three-dimen-
sional design. Presents a variety of non-objective studio
projects using sculptural materials, tools, and methods. In-
cludes the study of historical and contemporary art related
to three-dimensional design and spatial composition.
Transfer: CSU; UC.

271 SCULPTURE I (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Introduces sculptural principles, techniques, and con-
cepts utilizing a wide range of materials and a focus on
contemporary practices. Assignments emphasize creative
self-expression, the elements and principles of design, and
an examination of historical context.
Transfer: CSU; UC.

272 INTERMEDIATE SCULPTURE (2.00 to 3.00)
4.00 - 6.00 hours per week: (1.00 - 2.00 lecture hours,
3.00 - 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 271
Continues study of issues and techniques of contemporary
sculpture as introduced in ART 271. Presents intermediate
level assignments in fabrication and introduces the casting
process. Additional emphasis will be placed on large-scale
projects such as site-specific, performance, installation
and public art.
Transfer: CSU; UC.

274A SCULPTURE FOUNDRY I (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 270 and ART 271
Introduces basic theory and practice in cast bronze sculp-
ture. Projects emphasize creative self-expression using
direct modeling of wax, basic mold making, and introduc-
tion to non-wax casting materials.
Transfer: CSU; UC.

274B SCULPTURE FOUNDRY II (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 274A
Continues instruction and practice in cast bronze sculp-
ture. Assignments emphasize closed core casting, creative
expression, and compositional organization of cast metal
sculpture.
Transfer: CSU; UC.

274C SCULPTURE FOUNDRY III (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 274B
Continues instruction and practice in cast bronze sculpture
and introduces aluminum casting. Assignments empha-
size bronze repair using TIG welding, combining mixed
media with cast metal, scale, and original compositional
and formal themes.
Transfer: CSU; UC.

270 INTRODUCTION TO CERAMICS (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Introduces ceramics materials, concepts, and processes.
Includes design principles, creative development, hand-
building, throwing, glaze techniques, firing and ceramic
terminology. Covers aesthetics and creative development
of clay objects examining historical, contemporary, and
personal modes of expression across cultures.
Transfer: CSU; UC.

281A CERAMICS: WHEEL-THROWING I (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ART 280
Presents the practice of ceramic art with an emphasis on
throwing on the potter’s wheel. Includes functional vessels
and sculptural form derived from wheel-thrown objects
and from combining wheel and handbuilt forms.
Transfer: CSU; UC.

281B CERAMICS: WHEEL-THROWING II (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 281A
Continues Art 281A with further development and refine-
ment of throwing skills. Projects will include functional
vessels and sculptural forms derived from wheel-thrown objects
and from combining wheel and handbuilt forms.
Development of surface, glazing and firing techniques at
an intermediate level. Addresses aesthetics and creative
development of clay objects examining historical, contem-
porary, and personal modes of expression.
Transfer: CSU; UC.

282 CERAMICS: HAND-BUILDING (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 280
Presents the practice of ceramic art with an emphasis on
hand-building techniques. Includes functional vessels and sculptural forms, and addresses traditional, historical and contemporary issues. Assignments guide the development of personal and artistic expression.

Transfer: CSU; UC.

283 CERAMIC SCULPTURE (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 280

Presents a studio class dealing with issues and techniques of traditional and contemporary ceramic sculpture. Technical processes and materials relevant to ceramic sculpture will be covered. Assignments guide the development of personal and artistic expression.

Transfer: CSU; UC.

284 ALTERNATIVE AND PRIMITIVE FIRING TECHNIQUES IN CERAMICS (2.00 to 3.00)
4.00 - 6.00 hours per week: (1.00 - 2.00 lecture hours, 3.00 - 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ART 280

Presents instruction and experience in alternative firing techniques for ceramic art. Firings will include pit, sawdust, and raku.

Transfer: CSU; UC.

293 PORTFOLIO PRESENTATION (2.00 to 3.00)
4.00 - 6.00 hours per week: (1.00 - 2.00 lecture hours, 3.00 - 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: A body of artworks to include a minimum of twelve pieces which have been completed in college studio art courses.
Advisories: ENGL 156 and ART 256

Introduces professional presentation techniques in Studio Art and Graphic Design. Topics include the selection, photographing, and mounting of artwork for the production of a physical and a digital portfolio. Covers resume writing, artists statements, and letters of introduction. Examines career opportunities in various art-related fields and investigates four year programs and requirements. This course is geared toward the Studio Art or Graphic Design major near the completion of their studies at Cuesta College.

Transfer: CSU.

299 INDEPENDENT STUDIES: ART (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.

Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Art under the direction of an instructor.

Transfer: CSU.

ASTRONOMY [ASTR]

193 ASTRONOMY SPECIAL TOPIC (0.50 to 4.00)
0.50 - 4.00 hours per week: (0.50 - 4.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass

Examines a special topic in the field of study related to the discipline offering this course.

210 ASTRONOMY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: MATH 123 or equivalent
Advisories: ENGL 201A

Presents the astronomy of planets, satellites, asteroids, comets, meteors, the sun, stars, and galaxies.

Transfer: CSU; UC.

210L ASTRONOMY LAB (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: MATH 123 or equivalent
Corequisites: ASTR 210: ASTRONOMY
Advisories: ENGL 201A

Laboratory application of the principles presented in ASTR 210.

Transfer: CSU; UC.

299 ASTRONOMY RESEARCH SEMINAR (1.00)
2.00 hours per week: (0.67 lecture hours, 1.33 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Presents basics of scientific research and operation of astronomical telescopes and instruments. Students plan research projects, make observations, analyze results, and write reports for publication.

Transfer: CSU.

ATHLETICS [ATHL]

193 ATHLETICS SPECIAL TOPIC (0.50 to 4.00)
0.00 - 0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Examines a special topic in the field of study related to the discipline offering this course.
206 INTERCOLLEGIATE TRACK AND FIELD (1.50 to 3.00)
(Formerly ATHL 234)
5.00 - 10.00 hours per week: (5.00 - 10.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Provides the theory and practice of track and field athletics. Includes the rules and fundamentals of the track and field events and participation in intercollegiate track meets.
Repealable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

228 TRACK & FIELD (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Provides an introduction to strength and fitness building as well as the fundamentals and techniques of multiple track & field events in preparation for spring competition.
Repealable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

230 OFF-SEASON TRAINING FOR SPRING ATHLETES II (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade Only or Pass/No Pass
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Provides spring sport specific techniques, strategies and training designed for off-season intercollegiate athletes.
Repealable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

239 WOMEN'S INTERCOLLEGIATE WATER POLO (1.50 to 3.00)
5.00 - 10.00 hours per week: (5.00 - 10.00 lab hours)
Associate Degree Applicable
Letter Grade Only or Pass/No Pass
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Provides spring sport specific techniques, strategies and training designed for off-season intercollegiate athletes.
Repealable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

240 MEN'S INTERCOLLEGIATE WATER POLO (1.50 to 3.00)
(Formerly ATHL 236)
5.00 - 10.00 hours per week: (5.00 - 10.00 lab hours)
Associate Degree Applicable
Letter Grade Only or Pass/No Pass
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Provides spring sport specific techniques, strategies and training designed for off-season intercollegiate athletes.
Repealable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor. Presents an opportunity for physically advanced students to further develop a knowledge and skill in the sport of water polo. This offering is appropriate for students desiring the physical, mental and emotional challenges that are inherent in competition against students representing other colleges. Repeatable 3 time(s). Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

241 MEN'S WATER POLO (0.50 to 1.00)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor. This course is designed for those students of ability in water polo who have competed on an interscholastic Water Polo Team or equivalent. Fundamentals in all aspects of play will be stressed. Endurance training and cardiovascular fitness will be discussed. Repeatable 3 time(s). Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

247 INDEPENDENT STUDIES: ATHLETICS (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken. Provides an opportunity for an in-depth study or skill development experience by an individual student in a selected topic of physical education athletics under the direction of an instructor. Repeatable 3 time(s). Transfer: CSU; UC.

250 INTERCOLLEGIATE CROSS COUNTRY (1.50 to 3.00)
(Formerly ATHL 228)
5.00 - 10.00 hours per week: (5.00 - 10.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor. Presents the theory and practice of cross country running and includes participation in intercollegiate competition. Repeatable 3 time(s). Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

255 WOMEN'S INTERCOLLEGIATE VOLLEYBALL (1.50 to 3.00)
(Formerly ATHL 235)
5.00 - 10.00 hours per week: (5.00 - 10.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor. Designed to introduce the advanced skills of volleyball necessary for playing intercollegiate volleyball. Topics covered include basic skill, quick offense, and both offense and defensive team strategies. Repeatable 3 time(s). Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

250 INTERCOLLEGIATE WRESTLING (1.50 to 3.00)
(Formerly ATHL 237)
5.00 - 10.00 hours per week: (5.00 - 10.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor. Develops advanced knowledge and skills in the sport of wrestling. Appropriate for students desiring the physical, mental and emotional challenges inherent in intercollegiate wrestling. Repeatable 3 time(s). Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

260 WOMEN'S INTERCOLLEGIATE SOCCER (1.50 to 3.00)
(Formerly ATHL 238)
5.00 - 10.00 hours per week: (5.00 - 10.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor. This course is designed for those students of ability in water polo who have competed on an interscholastic Water Polo Team or equivalent. Fundamentals in all aspects of play will be stressed. Endurance training and cardiovascular fitness will be discussed. Repeatable 3 time(s). Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

270 MEN'S INTERCOLLEGIATE FALL BASKETBALL (0.50 to 3.00)
(Formerly ATHL 226)
1.50 - 9.00 hours per week: (1.50 - 9.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor. Considers broad aspects of the fall intercollegiate basketball preseason with emphasis on offensive and defensive floor strategies. Attention is given to physical conditioning necessary for engaging in competitive sports and the responsibilities required of a player who participates in a team activity. Repeatable 3 time(s). Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).
271 MEN'S INTERCOLLEGIATE SPRING BASKETBALL (0.5 to 3.00)
1.50 - 9.00 hours per week: (1.50 - 9.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Considers broad aspects of the spring intercollegiate basketball season with emphasis on offensive and defensive floor strategies. Attention is given to physical conditioning necessary for engaging in competitive sports and the responsibilities required of a player who participates in a team activity.
Repeatable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

275 WOMEN'S INTERCOLLEGIATE FALL BASKETBALL (0.50 to 3.00)
1.50 - 9.00 hours per week: (1.50 - 9.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Considers broad aspects of the fall intercollegiate basketball preseason with emphasis on offensive and defensive floor strategies. Attention is given to physical conditioning necessary for engaging in competitive sports and the responsibilities required of a player who participates in a team activity.
Repeatable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

276 WOMEN'S INTERCOLLEGIATE SPRING BASKETBALL (0.50 to 3.00)
1.50 - 9.00 hours per week: (1.50 - 9.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Considers broad aspects of the spring intercollegiate basketball preseason with emphasis on offensive and defensive floor strategies. Attention is given to physical conditioning necessary for engaging in competitive sports and the responsibilities required of a player who participates in a team activity.
Repeatable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

280 INTERCOLLEGIATE SOFTBALL: WOMEN (1.50 to 3.00)
(Formerly ATHL 231)
5.00 - 10.00 hours per week: (5.00 - 10.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Develops advanced knowledge and skill in the sport of women's softball. Provides the physical, mental, and emotional challenges inherent in intercollegiate competition.
Repeatable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

281 SOFTBALL CONDITIONING (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
This course is designed to increase the knowledge of softball strategy through conditioning drills.
Repeatable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

282 FAST PITCH SOFTBALL (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
This class is designed to provide collegiate skills development, technique, conditioning, strategies and team play in the sport of softball.
Repeatable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

285 INTERCOLLEGIATE BASEBALL: MEN (1.50 to 3.00)
(Formerly ATHL 225)
5.00 - 10.00 hours per week: (5.00 - 10.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Identifies advanced knowledge and skills in the sport of baseball. Appropriate for students desiring the physical, mental, and emotional challenges inherent in intercollegiate baseball competition.
Repeatable 3 time(s).
Transfer: CSU.

287 BASEBALL DEFENSIVE STRATEGIES (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Provides the fundamental skills of team baseball and strategies for defense. Students will learn proper fundamentals and strategies for executing game situations, such as cut-offs and relays, run down, first and third defense, and bunt defense.
Repeatable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).
288 BASEBALL OFFENSIVE STRATEGIES (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Provides the fundamental skills of team baseball and strategies for offense. Students will learn proper fundamentals and strategies for executing game situations, such as, situational hitting, situational bunting, situational running.
Repeatable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

291 INTERCOLLEGIATE SWIMMING AND DIVING (1.50 to 3.00)
(Formerly ATHL 232)
5.00 - 10.00 hours per week: (5.00 - 10.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Provides an opportunity for physically advanced students to further develop knowledge and skill in the sport of swimming and diving. Appropriate for students desiring the physical, mental and emotional challenges that are inherent in competition.
Repeatable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

293 SWIMMING & DIVING (0.50 to 1.00)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Designed for the intercollegiate swimming and diving athletes off season training program. Techniques of all four competitive strokes and strategies of how to compete as an individual/team will be incorporated. Fundamentals of all dives on the 1Meter and 3Meter diving board will be incorporated also.
Repeatable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

294 ADVANCE SWIMMING & DIVING (0.50 to 1.00)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Designed for the intercollegiate swimming and diving athletes off season training program. Advance techniques of all four competitive strokes and strategies of how to compete as an individual/team will be incorporated. Advance fundamentals of all competitive dives on the 1Meter and 3Meter diving board will be incorporated also.
Repeatable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

298 SKILL AND TRAINING DEVELOPMENT (0.50)
1.50 hours per week: (1.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Provides skills and strategy to prepare students for athletic competition.
Repeatable 3 time(s).
Transfer: CSU.

299 ADVANCED SKILL AND TRAINING DEVELOPMENT (0.50 to 1.00)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Provides advanced skills and strategy to prepare students for athletic competition.
Repeatable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA, and ATHL courses).

AUTOMOTIVE TECHNOLOGY [ATCH]

109 INTRODUCTION TO AUTOMOTIVE COMPUTERS (2.50)
4.00 hours per week: (2.00 lecture hours, 2.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Covers the theory, operation, and basic test procedures for on-board computers found on domestic and imported vehicles. Designed for entry level automotive study.

120 AUTOMOTIVE IGNITION SYSTEMS (2.00)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Covers modern vehicle ignition system theory, diagnosis, and repair. Includes IT, EI, and Coil-On-Plug systems.

125 ENGINE PERFORMANCE (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ATCH 109, ATCH 120, ATCH 152, or one year in the automotive trade.
Studies automotive engine performance theory and operation including fuel, electrical, emission, and computer systems. Emphasizes tune-up, pollution control, and driveability diagnostic techniques.

127 ENHANCED CLEAN AIR CAR COURSE (1.00)
2.00 hours per week: (1.00 lecture hours, 1.00 lab hours)
Associate Degree Applicable
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Letter Grade or Pass/No Pass
Prerequisites: Completion of or concurrent enrollment in ATCH 164.

Provides training as required by the California Bureau of Automotive Repair to meet Advanced Emission Specialist Technician license requirements. Includes training on Smog Check failure analysis and operation of the Bar-97 dynomometer testing system.

147 INDEPENDENT STUDIES: AUTOMOTIVE TECHNOLOGY (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the technical field in which the study is to be undertaken.

Provides an opportunity for in-depth study or practicum experience by an individual student in a selected topic in the automotive technology area with support and direction from an instructor.

152 INTERNAL COMBUSTION ENGINES (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156

Presents the principles of internal combustion engines encompassing design, construction, and application of engine components, including the ignition, cooling, lubricating, fuel systems, and engine tests and measurements.

153 ENGINE OVERHAUL PROCEDURES (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ATCH 152

Presents a lecture and laboratory course covering theory and manipulative skills required for entry-level employment as an Engine Service Technician. Covers information needed to pass A.S.E. Automotive Technician Certification Test for Engine Service Specialist. Covers diagnosis removal, teardown, inspection, machining, reassembly, installation, and break-in of automotive engines.

158 AUTOMOTIVE ELECTRICITY AND ELECTRONICS (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156

Studies basic electrical theory, transistors and other semiconductors, as well as batteries, charging systems, cranking systems, lighting, vehicle wiring, and accessory systems.

160 AUTOMOTIVE ELECTRICAL ACCESSORIES (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156

Presents electrical and electronic testing, troubleshooting, and repair procedures on the modern vehicle. Covers body and accessory circuits, power options, instrumentation, and interfacing between engine and body control computers.

164 BASIC AREA CLEAN AIR CAR COURSE (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Minimum one year of trade experience in emissions/tune-up or 180 hours (9 semester credits) of accredited training in tune-up, fuel and electrical courses.

Covers the rules and regulations governing the Smog Check Program, inspection procedures using the BAR97 Emissions Inspection System (EIS), and an overview of Onboard Diagnostics II (OBDII). Successful completion of ATCH 164 meets a portion of the requirements for technicians seeking an Emission Basic (EB) or Emission Advanced (EA) Smog Check Technician License.

166 AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR (2.00)
3.00 hours per week: (1.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156

Presents theory and practical application of safety inspections, battery service, oil and lubrication, cooling system, ignition system, brake inspection, wheel bearings and minor repairs.

168 AUTOMOTIVE REPAIR BUSINESS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156

Introduces the many facets of operating an automotive repair business, including entrepreneurship, franchising, market analysis, physical facilities, financing, organization, taxes, insurance, bookkeeping, legal aspects. Material is covered from both the employee's and the employer's point of view.

170 AUTO BODY REPAIR I (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156

Presents the fundamentals of automotive body repair. Includes instruction in body construction, welding, metalworking methods and equipment used in the auto body repair industry. Emphasis is placed on developing the knowledge and manipulative skill necessary for gainful employment in the auto body repair industry.

171 ADVANCED AUTO BODY (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ATCH 170

Presents an advanced course in automotive body and fender repair which combines laboratory work on campus and on-site research in a commercial repair facility. This course covers estimating damage, frame alignment, trim work, upholstery removal and installation, shop management, and major collision damage repair. Emphasis is placed on developing the knowledge and manipulative
skill necessary for gainful employment in the automotive collision repair industry.

175 AUTOMOTIVE PAINTING (5.00)
9.00 hours per week: (3.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Covers surface preparation, selection and application of undercoats, topcoats and other types of refinishing materials and equipment which are compliant with current Air Pollution Control District rulings and laws governing commercial automotive refinishing operations. Addresses health, safety, and environmental concerns relative to the automotive painting industry. Emphasizes development of the knowledge and manipulative skills necessary for gainful employment in the automotive painting industry.

177 ADVANCED AUTOMOTIVE PAINTING (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ATCH 170 and ATCH 175
Advisories: ENGL 156
Presents complete vehicle refinishing, color matching techniques, color theory and custom painting as well as vehicle detailing. Prepares students for employment as an automotive painter.

182 AUTOMATIC TRANSMISSIONS (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces fundamental operations, rebuilding procedures, and service of torque converters and automotive automatic transmissions. Provides preparation for Automotive Service Excellence Certification.

186 CHASSIS AND SUSPENSION SYSTEMS (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents suspension geometry and design, wheel alignment, active suspension systems, wheel balancing, tires, and steering systems. Provides training toward Automotive Service Excellence Certification.

187 AUTOMOTIVE FUEL INJECTION AND TURBOCHARGERS (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents both mechanical and electrical fuel injection systems for automotive gasoline and diesel fuel engines as well as automotive and light truck turbochargers.

188 AUTOMOTIVE HEATING AND AIR CONDITIONING (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Provides theory and practical application of the function and repair of heating and air conditioning systems as applied to domestic and imported automobiles. Provides training toward Automotive Service Excellence Certification.

193 AUTOMOTIVE TECHNOLOGY SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

195 TECHNICAL CAREER PREPARATION IN AUTOMOTIVE (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Overview of automotive careers with focus on preparing for the job market. Includes discussion of career opportunities in the automotive industry, both union and non-union. Focus on providing the tools necessary to target and obtain a position in the automotive industry.

263 AUTOMOTIVE FUEL SYSTEMS: CARBURETION (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Studies automotive fuel systems including filters, tanks, lines, safety equipment, pumps, carburetors, and computer controlled carburetors.
Transfer: CSU.

269 AUTOMOTIVE TECHNOLOGY INTERNSHIP (3.00)
6.00 hours per week: (1.50 lecture hours, 4.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Successful completion of 12 semester credits of ATCH courses with a 3.0 GPA.
Present lecture and lab instruction centering around the working environment in the automotive repair industry. Students are assigned to a commercial automotive repair facility for their laboratory experience. Lectures cover such topics as work habits, resumes, interviewing, attitude, safety, labor laws, record keeping, and rules and regulations pertinent to the automotive repair industry.
Transfer: CSU.

280 MANUAL DRIVETRANS (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents the fundamental operation, service, diagnosis, and repair of clutch assemblies, manual transmissions and transaxles, rear wheel drive (RWD) drive shafts and universal joints, front wheel drive (FWD) half-shafts and constant velocity joints, rear axle assemblies and differentials, and drive axle wheel bearings as applied to automobiles and light duty trucks.
Transfer: CSU.
281 MANUAL TRANSMISSIONS (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ATCH 109, ATCH 182, ATCH 186, and ENGL 156
Presents the operation, diagnosis, repair, and overhaul of rear wheel drive manual transmissions, front wheel drive manual transaxles, and rear wheel drive axles as applied to automobiles and light duty trucks both foreign and domestic.
Transfer: CSU.

284 BRAKING SYSTEMS (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ATCH 109 and ENGL 156
Presents automotive braking systems including conventional drum type brakes, disc brakes, vacuum and hydraulic boosters, and anti-lock brake systems. Provides training for licensing by the Bureau of Automotive Repair and by Automotive Service Excellence Certification.
Transfer: CSU.

BIOLGY [BIO]

193 BIOLOGY SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

201A BIOLOGY (5.00)
9.00 hours per week: (3.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: MATH 127 or equivalent with a grade of C or better and CHEM 210 or equivalent with a grade of C or better
Advisories: ENGL 156
Presents the principles of life and life processes with an emphasis on cellular structure, cellular chemistry, genetics, and life’s origins and diversity.
Transfer: CSU; UC.

201B BIOLOGY (5.00)
9.00 hours per week: (3.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: BIO 201A
Continues BIO 201A with emphasis on plant and animal structure and physiology, evolution, and ecology.
Transfer: CSU; UC.

202 GENERAL BOTANY (5.00)
9.00 hours per week: (3.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents a study of structure and function of roots, stems, leaves, flowers, fruits and seeds of the flowering plants. Includes the characteristics, life cycles, classification, evolution and ecology of cyanobacteria, fungi, algae and vascular plants.
Transfer: CSU; UC.

204 MICROBIOLOGY (5.00)
9.00 hours per week: (3.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: CHEM 210 or equivalent with a grade of C or better
Advisories: ENGL 156 and BIO 201A
Presents the general facts regarding bacteria and other microbial forms, particularly those that affect general health. Laboratory work includes culture techniques, animal host techniques, and identification of microbes.
Transfer: CSU; UC.

205 HUMAN ANATOMY (4.00)
8.00 hours per week: (2.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: BIO 201A
Continues BIO 201A with emphasis upon functions of growth, fitness, motion and sensitivity. Lecture and laboratory contents are appropriate for students of biology, nursing, pre-medical and exercise sciences.
Transfer: CSU; UC.

206 GENERAL HUMAN PHYSIOLOGY (5.00)
7.00 hours per week: (4.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: CHEM 210FL or equivalent with a grade of “C” or better, and BIO 205.
Advisories: BIO 201A
Presents the physiology of human body systems with emphasis upon functions of growth, fitness, motion and sensitivity. Lecture and laboratory contents are appropriate for students of biology, nursing, pre-medical and exercise sciences.
Transfer: CSU; UC.

209C COASTAL BIOLOGY FIELD STUDIES (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Any 3 unit or greater college level biology course.
Emphasizes observations and techniques used to appreciate and evaluate California’s coastal ecosystems. Camping, food, and other expenses will be the responsibility of the students.
Transfer: CSU; UC.

209D DESERT BIOLOGY FIELD STUDIES (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Any 3 unit or greater college level biology course.
Emphasizes observations and techniques used to appreciate and evaluate California’s coastal ecosystems. Camping, food, and other expenses will be the responsibility of the students.
Transfer: CSU; UC.
209S SIERRA BIOLOGY FIELD STUDIES (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Any 3 unit or greater college level biology course.
Advisories: ENGL 156
Studies Sierra ecosystems with emphasis on riparian and meadow habitats, Alpine and coniferous forest ecology and grandeur. Practices field study observations and techniques. Camping, food, and other expenses will be the responsibility of students.
Transfer: CSU; UC.

210 ISLAND BIOLOGY (2.00)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents a lecture and field study course on the biology, ecology, and natural history of islands. Includes the study of their ecological and evolutionary history, including colonization and establishment of native plant and animal communities, human impacts, and preservation and conservation of island ecosystems. A field trip will reinforce and elaborate upon lecture material. Field techniques will also be taught on the field trip. Students will be required to maintain and turn in a standardized field notebook. Camping, food, transportation, and other expenses will be the responsibility of the students.
Transfer: CSU; UC.

210M ENVIRONMENTAL AND APPLIED MICROBIOLOGY (2.00)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 201A with a minimum grade of C or better
Presents an examination of microorganisms in the environment including: occurrence, abundance, and distribution; processes of microbial interaction with the environment; importance to human and animal health and practices of applied environmental microbiology.
Transfer: CSU.

210R NATURAL HISTORY OF THE COAST RANGES (2.00)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 201A
Presents a lecture and field study course on the ecology and natural history of the coast ranges. Includes the study of their geological history, native plant and animal communities, human impacts, and the history and function of the preservation and conservation of ecosystems including the national forest, Bureau of Land Management, and California state parks. A field trip will reinforce and elaborate upon lecture material. Field techniques also will be taught on the field trip. Students will be required to maintain and turn in a standardized field notebook. Camping, food, transportation, and other expenses will be the responsibility of the students. Students should be prepared for camping in a moist, coastal environment and extensive hiking on and off trails from sea level to over 2000 feet over rugged terrain.
Transfer: CSU; UC.

211 LIFE SCIENCE (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces the non-biology major to the organization and evolution of life and the structure and function of living systems from cells to biomes. Utilizes the lecture and laboratory approach to instruction.
Transfer: CSU; UC (For UC, no credit if taken after BIO 201A, 201B, or 202).

212 HUMAN BIOLOGY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces fundamental structural and functional concepts of the human body systems, and their disorders and therapies. Designed for non-science majors and provides an appreciation for popular interests such as fitness, immunity, inheritance, and common medical terminology.
Transfer: CSU; UC.

212L HUMAN BIOLOGY LABORATORY (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Completion of or concurrent enrollment in BIO 212.
Advisories: ENGL 156
Laboratory to accompany Human Biology (BIO 212), a general education course for non-biology majors and pre-health related fields. Provides an introduction to the biology of the human species, designed to create an awareness and understanding of the human body functions, human’s place in nature and the mechanics of human heredity. Provides direct participation in experiments, demonstrations, and discussions. Topics include elements of human anatomy and physiology, nutrition, disease, elements of human heredity and environmental adaptations, and interpretations of relevant current topics in biology.
Transfer: CSU; UC.

213 GENETICS IN SOCIETY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces basic principles of genetics and heredity. Emphasizes current advances in genetics, including stem cell research, cloning, cancer, and genetically modified crops. Investigates the social consequences and ethical implications of biotechnology in medicine and agriculture.
Transfer: CSU; UC.
216 PLANTS & PEOPLE (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Designed for plant enthusiasts who do not have a strong science background. Includes the basic structure, physiology, reproduction, taxonomy, evolution, and ecology of plants. Discusses varied uses of plants by people of different cultures throughout history. Laboratory work includes setting up experiments, growing, and propagating plants. Students will also learn basic gardening techniques and how to design water-efficient sustainable gardens using California native plants.
Transfer: CSU; UC.

220 ENVIRONMENTAL BIOLOGY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 201A
Presents a study of biological concepts, processes, and organismal biology, including scientific methodology, metabolism, genetics, evolution and ecology. These concepts are used to assess environmental issues including human population growth, biodiversity, biological conservation, pollution, and resource and energy use.
Transfer: CSU; UC.

220L ENVIRONMENTAL BIOLOGY LAB (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Completion of or concurrent enrollment in BIO 220.
Advisories: ENGL 201A
Presents an optional laboratory course designed to complement BIO 220, Environmental Science. Applies and expands knowledge gained in BIO 220 through field trips, laboratory investigations, and special projects.
Transfer: CSU; UC.

221 GENERAL ECOLOGY (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Advisories: ENGL 156 and MATH 007
Studies plant and animal communities emphasizing the interrelationships of living organisms and their living and non-living environment. The emphasis in lecture is on major principles describing these interrelationships including evolution, energy flow and nutrient cycling via food webs, competition, and predation. The emphasis in the laboratory is on the gathering and interpretation of ecological data in lab and field.
Transfer: CSU; UC.

222 MARINE BIOLOGY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Transfer: CSU; UC.

222L MARINE BIOLOGY LABORATORY (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Completion of or concurrent enrollment in BIO 222.
Presents an applied, optional course designed to augment BIO 222, through laboratory and field investigations.
Transfer: CSU; UC.

224 PRINCIPLES OF NATURAL HISTORY (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents an ecological approach to the natural history of terrestrial plants and animals in California. Emphasizes classification, relationships to environment, interrelationships, problems of life, economic importance, and field biology techniques.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: BIOLOGY (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of biology under the direction of an instructor.
Transfer: CSU.

BROADCAST COMMUNICATIONS [BCST]

193 BROADCAST COMMUNICATIONS SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

221 INTRODUCTION TO ELECTRONIC MEDIA (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 156
Presents a survey of electronic media including radio, television, film and digital media and their impact on culture and society in context with preexisting models; includes history, economics, technological development, programming, ratings, legal aspects, and social aspects of broadcasting in America with cross-cultural and international comparisons.
Transfer: CSU.

223 VIDEO OPERATIONS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 156

Presents the theory and demonstration of video control room and studio equipment. Offers beginning students a comprehensive overview of video studio and field operations, technical fundamentals, and basic program production.

Transfer: CSU.

224A AUDIO PRODUCTION (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 156

Presents the theory and practice of audio techniques in radio, television, film, and multimedia, including acoustics, audio language and terms, signal flow, use of microphones, use of mixers and related production equipment, and the aesthetic aspects of sound mixing. Students will apply their knowledge to create audio productions in class and on the college radio station, KGUR 105.3 FM.(FT)

Transfer: CSU.

225A VIDEO STUDIO PRODUCTION (3.00)
7.00 hours per week: (1.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Completion of or concurrent enrollment in BCST 223.

Provides an introduction to the theory, terminology, signal flow and operations within a multicamera television studio and control room; includes TV history, TV aesthetics directing, the operation of broadcast quality video cameras, audio equipment, switchers, the fundamentals of lighting, computer generated graphics, video control and recording.

Transfer: CSU.

225B FIELD VIDEO PRODUCTION AND EDITING (3.00)
7.00 hours per week: (1.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Completion of or concurrent enrollment in BCST 223.

Provides an introduction to the theory, terminology, and operation of single camera video production including composition and editing techniques, camera operation, portable lighting, video recorder operation, audio control, and non-linear editing. Includes the aesthetics and fundamentals of scripting, producing, and directing on location, incorporating multimedia, and postproduction.

Transfer: CSU.

226 WRITING FOR ELECTRONIC MEDIA (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ENGL 201A with a minimum grade of C or better

Introduces the principles, techniques, and style of writing for electronic media. Includes the writing of commercials, public service announcements, news, editorials, narration, and dramatic presentations. Introduces an analysis of content and ethical considerations of the electronic media.

Transfer: CSU.

227 PRINCIPLES OF RADIO BROADCAST PERFORMANCE (0.50 to 3.00)
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only

Explore techniques necessary to effectively communicate messages through basic announcing skills. Interviewing, radio news, commercial announcing, ad-lib techniques, voice tracking and career exploration will be covered in-depth. Learn practice skills needed to professionally perform in radio broadcasting as a career.

Transfer: CSU.

230A TELEVISION INTERNSHIP (3.00)
9.00 hours per week: (9.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: BCST 225A and approval of station management

Provides practical supervised work experience as a regular staff member in a local area television station. Includes work in the production department of a television station helping to prepare for and operate equipment during newscasts which may include studio camera operation, floor directing, teleprompter operation, and other assigned responsibilities. Acceptable credit, CSU.

Only students who have been given permission from the chair of the broadcasting department may be allowed to interview for the internship program.

Transfer: CSU.

247 INDEPENDENT STUDIES: BROADCAST COMMUNICATIONS (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.

Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of broadcast communications under the direction of an instructor.

Transfer: CSU.

BUSINESS [BUS]

129 BUSINESS INTERNSHIP (1.00 to 3.00)
2.70 - 8.00 hours per week: (0.20 - 0.50 lecture hours, 2.50 - 7.50 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: 6 units of Business classes

Provides students an opportunity to experience the responsibilities of an employee in a business setting related to their courses of study in business.

130 INTRODUCTION TO E-COMMERCE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Summarizes online buying, selling, and delivery of prod-
ucts and services for personal and business purposes. Addresses Internet security and privacy issues, including credit card use, analyzes various revenue streams for business opportunities, and evaluates popular shopping cart packages.

131  E-COMMERCE: SOCIAL MEDIA MARKETING  (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: BUS 24
Advisories: BUS 130
Provides a hands-on introduction to social media marketing, including personal branding, blogs, email campaigns, social network participation, affiliate marketing, search engine optimization (SEO), and search engine marketing (SEM). Explore viral marketing, measurement tools for social media marketing campaigns, and career opportunities.

132  E-COMMERCE: INFORMATION PRODUCTS  (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: BUS 130 or BUS 243
Advisories: BUS 131
Builds upon the concepts learned in Social Media Marketing, BUS 131, in order to effectively develop a plan to sell digital goods, such as music, information, videos, software, etc., or services, such as consulting, online. Addresses legal issues such as copyrights, taxes, and guarantees, and customer relationship and retention strategies.

133  E-COMMERCE: PHYSICAL PRODUCTS  (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: BUS 130 or BUS 243
Advisories: BUS 131
Builds upon the concepts learned in E-Commerce: Social Media Marketing, BUS 131, in order to effectively develop a plan to sell physical products, as well as to conduct business-to-business e-commerce via extranets. Includes order fulfillment, shipping, delivery, reverse logistics, and supply chain management issues.

134  E-COMMERCE ENTREPRENEURSHIP  (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: BUS 248 and either BUS 132 or BUS 133
Advisories: LBIT 207 and CAOA 269.
Design, develop, test, and implement a virtual “store”. Transfer brick and mortar small business management skills in business planning and operations to an online business. Gain actual experience in e-commerce site design, including working with potential clients, needs analysis, and production strategies.

170  DEALING WITH CHANGE  (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Provides students with an understanding of change and the influence it has on an organization and the individuals in that organization. Topics will include understanding organizational change, theoretical models of change, stages of change, and how to manage organizational change.

171  TEAM BUILDING  (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Provides the student with an understanding of how teams work together, common problems teams encounter and how to solve them. Students will learn to recognize various team player styles. Students will be introduced to team building in the workplace.

172  COMMUNICATING WITH PEOPLE  (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Introduces the student to key elements in communication within business organizations. Topics will include verbal and nonverbal communication, listening skills and specific supervisory communication skills.

173  CONFLICT RESOLUTION  (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Provides the student with an analysis of attitudes and behavior, which create conflict between individuals and groups within an organization.

174  CUSTOMER SERVICE  (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Provides the student with certain key skills and attitudes in order to effectively meet the needs of customers. The student will be introduced to the concept of internal and external customers, customer satisfaction and customer retention.

175  VALUES & ETHICS  (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Acquaints the student with the importance of values and ethics in the workplace. The importance of values and ethics involved in the supervisor’s carrying out his/her duties will be emphasized.

176  ATTITUDE IN THE WORKPLACE  (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Provides the student with certain key skills in the area of attitude so that they may effectively maintain a positive attitude at the workplace and at home. Concepts of how attitudes are communicated, the three types of attitudes and how to adjust one’s attitude will be presented.

177  STRESS MANAGEMENT  (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Acquaints the student with various skills the supervisor
needs to help employees. Included is the recognition of stress and how to manage it.

178 DECISION MAKING & PROBLEM SOLVING (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Introduces the student to decision making and problem solving as a supervisor.

179 TIME MANAGEMENT (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Introduces the student to time management principles and specific tools that assist in making maximum use of time.

181 PROFESSIONAL IMAGE: APPEARANCE, ETIQUETTE & NETWORKING (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Engages the student in discussions and activities related to the significance of personal appearance, business appropriate behavior and etiquette, as well the process of networking to build professional relationships.

182 GOAL SETTING: VISION, GOALS AND JOB SEARCH STRATEGIES (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Engages the student in discussions and activities related to the significance of having a personal vision, setting attainable goals for the future, and employing useful job search strategies for pursuing a meaningful career and work life.

183 IMPACTS OF TECHNOLOGY ON COMMUNICATION (0.50)
0.50 hours per week: (0.50 lecture hours, 0.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Equip the student to communicate professionally and effectively when using various forms of electronic/technological communication tools. Includes telephone etiquette and techniques, e-mail, text messaging and other business-related technologies.

190 SUPERVISION AND MANAGEMENT ACADEMY: EXPAND YOUR MANAGEMENT PERSPECTIVE (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Builds on the students' past and current experience as a manager supervising employees. This advanced class facilitates and expands students' understanding of the significant change in perspective that must be adopted by supervisors in order to be effective at managing employees, and adhering to company policies and labor law.

191 SUPERVISION AND MANAGEMENT ACADEMY: THE PERFORMANCE MANAGEMENT CYCLE (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Enhances the students’ current performance management practices from hiring to the formal appraisal by examining the performance management cycle. This is an advanced course designed for students who are currently employed with responsibility to formally manage employee performance.

192 SUPERVISION AND MANAGEMENT ACADEMY: THE ART OF REACHING MUTUAL UNDERSTANDING (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Learn state of the art communication skills necessary to reach mutual understanding and manage inevitable conflicts that supervisors must handle. This is an advanced communication and conflict management course designed for students who are currently employed with responsibility to supervise others. Advisory: Completion of all ten Customer Service Academy classes or instructor approval.

193 BUSINESS SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

194 SUPERVISION AND MANAGEMENT ACADEMY: MAKING CONSCIOUS, STRATEGIC DECISIONS (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Expounds on strategic methods for effective decision-making while exploring the implications of those decisions on the organizational and employees personal resistance to change. This is an advanced class that emphasizes the students’ current ability to strategically and effectively lead the process of change as a working manager. Advisory: Completion of all ten Customer Service Academy classes or instructor approval.

195 SUPERVISION AND MANAGEMENT ACADEMY: MOTIVATING PERFORMANCE THROUGH FEEDBACK AND DELEGATION (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advance the students’ success at using delegation as a motivational and time management tool. This course is specially designed for currently employed managers needing to effectively supervise employees. Advisory: Completion of all ten Customer Service Academy classes or instructor approval.

196 WORKPLACE HUMAN RELATIONS (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 156
Discusses the process of forming personal attitudes, identifying and changing our personal attitudes, the behav-
ioral aspects of interpersonal relationship and self-esteem are studied. Cultural diversity awareness and increased team building skills are explored.

**197  SUPERVISON AND MANAGEMENT ACADEMY: LEADING A DIVERSE TEAM** *(0.50)*

0.50 hours per week: (0.50 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Identifies the students’ demonstrated strengths and areas of improvement for leading a diverse team. Improves the students’ ability as a manager to value diversity and effectively use their legitimate and personal power to lead a highly effective team.

**201A  FINANCIAL ACCOUNTING** *(4.00)*

4.00 hours per week: (4.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Advisories: ENGL 156 and MATH 123

Explores what financial accounting is, why it is important, and how it is used by investors and creditors to make decisions. Covers the accounting information system and the recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the classified financial statements, and statement analysis. Includes issues relating to asset, liability and equity valuation, revenue and expense recognition, cash flow, internal controls and ethics.

Transfer: CSU; UC.

**201B  MANAGERIAL ACCOUNTING** *(4.00)*

4.00 hours per week: (4.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Prerequisites: BUS 201A

Examination of how managers use accounting information in decision-making, planning, directing operations and controlling costs. Focus on cost terms and concepts, cost behavior, cost structure and cost-volume-profit analysis. Examines profit planning, standard costs, operations and capital budgeting, cost control and accounting for costs in manufacturing organizations.

Transfer: CSU; UC.

**218  BUSINESS LAW** *(4.00)*

4.00 hours per week: (4.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Advisories: ENGL 156

Offers legal knowledge concerning business and business relationships with emphasis on the laws of torts, property, contracts, agency, business organizations, and sales. Includes a study of the nature and background of American law, court systems, and court procedures.

Transfer: CSU; UC.

**227  BUSINESS COMMUNICATIONS** *(4.00)*

4.00 hours per week: (4.00 lecture hours)

Associate Degree Applicable
Letter Grade Only

Advisories: ENGL 201A

Presents a study of the principles and techniques applicable to all forms of effective business communication. Covers general areas of grammar mechanics and sentence structure. Emphasis is on memorandums, e-mail, routine request letters, positive response letters, negative response correspondence, persuasive communication, and goodwill and special messages. Includes informal and formal reports, proposals, resumes and cover letters, and follow-up messages.

Transfer: CSU.

**228  OFFICE TECHNOLOGY AND TELECOMMUNICATIONS** *(3.00)*

(Formerly CAOA 128)

3.00 hours per week: (3.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Prerequisites: Ability to type 25 words per minute.

Introduces typical office routines and responsibilities; principles, practices, and terminology as applied to most common filing methods; business forms; record keeping; office automation; communication and bank services; telephone procedures; human relations; telecommunications; and job securing processes.

Transfer: CSU.

**240  ADVERTISING** *(3.00)*

3.00 hours per week: (3.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Prerequisite: BUS 243

Advisories: ENGL 156

Introduces the student to the principles, purposes and practices of advertising; the importance of correct appeal, style, headline, typography, color, layout, ethics, and other problems involved in the creation and evaluation of effective advertising. (No artistic ability required.)

Transfer: CSU.

**241  SALES** *(3.00)*

3.00 hours per week: (3.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Advisories: ENGL 156

Presents principles, purposes, and practices of personal selling and its importance to an organization and to a free enterprise economic system.

Transfer: CSU.

**243  MARKETING** *(3.00)*

3.00 hours per week: (3.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Advisories: ENGL 201A

Introduces fundamentals of product planning, pricing, distribution and promotion of goods, services and non-profits; market research, consumer behavior, international business, and the industrial market.

Transfer: CSU.

**245  INTRODUCTION TO BUSINESS** *(3.00)*

3.00 hours per week: (3.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces the field of business and business economics. Includes functions, characteristics, organization, operation, and general problems of business. Surveys the various fields of business management, distribution, records, selling, finance, and production.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: BUSINESS (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Provides an opportunity for an in-depth study or a practical experience by an individual student in a selected topic of business under the direction of an instructor.
Transfer: CSU.

248 SMALL BUSINESS MANAGEMENT (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents the role of small businesses in the free enterprise system. Discusses numerous aspects of small business ownership and entrepreneurship. Provides techniques in strategic planning, marketing, and controlling business operations for managers of small firms.
Transfer: CSU.

249 ENTREPRENEURSHIP (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156 and MATH 123
Introduces students to the concepts, techniques and requirements for establishing a business.
Transfer: CSU.

251 ELEMENTS OF ACCOUNTING (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Provides a condensed and general accounting background dealing with basic accounting practices and procedures. Introduces necessary procedures for “service” as well as “service-trading” businesses and payroll accounting. Not open to students with credit in or enrolled in BUS 201A or BUS 201B.
Transfer: CSU.

252 COMPUTERIZED ACCOUNTING USING QUICKBOOKS PRO (3.00)
(Formerly CAOA 252)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: BUS 201A or BUS 251
Provides students familiar with accounting concepts the knowledge, skills, and practice needed to use microcomputers for accounting applications. Includes inputting and electronically managing general journal, specialized journals, financial statement analysis, payroll, inventory, accounts receivable, accounts payable, depreciation, and other accounting applications. Provides training for entry-level computerized bookkeepers, small business owners, and students pursuing further accounting courses.
Transfer: CSU.

260 INTERNATIONAL BUSINESS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: BUS 245
Provides an understanding of the cultural dimensions and market forces necessary to conduct business in a global environment. Examines ethnocentric models of cultural values and behavior and explores cross-cultural differences between Asia, Latin America, Africa, Middle East, Europe, and the United States in order to develop appropriate strategies to conduct business in a transnational setting. Introduces adaptation skills to successfully deal abroad and identifies the major components of national culture impacting the development and growth of business products and services in the international marketplace.
Transfer: CSU.

283 MANAGEMENT AND SUPERVISION (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Discusses the process of management and how to supervise employees in today’s business climate. The behavioral aspects of managing human resources are emphasized with a focus on the current practices of world-class companies.
Transfer: CSU.

286 HUMAN RELATIONS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces students to the basic principles of how to manage employees in various organizational settings such as business, government and the service sector.
Transfer: CSU.

CHEMISTRY [CHEM]

193 CHEMISTRY SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

201A GENERAL COLLEGE CHEMISTRY I (5.00)
7.00 hours per week: (4.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: MATH 127 or its equivalent with a grade of C or better and CHEM 210FL, High School Chemistry or
equivalent with a grade of C or better

Presents the first semester of a one-year course in the fundamental principles of chemistry. Topics intended primarily for science and engineering majors in the fundamental principles of chemistry. Topics covered include kinetic-molecular treatment of gases, atomic structure and the periodic law, thermochemistry, chemical bonding, correlation of structure with properties, quantitative relationships in chemical reactions, chemical formulas and equations. Laboratory work includes a study of precision and accuracy, standard methods of gravimetric and volumetric analysis, and computer acquisition and analysis of data.

Transfer: CSU; UC.

201B GENERAL COLLEGE CHEMISTRY II (5.00)
7.00 hours per week: (4.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: CHEM 201A

Presents advanced general chemistry topics as a continuation of Chemistry 201A. Topics covered include chemical kinetics, thermodynamics, aqueous equilibria, free energy, entropy, electrochemistry, coordination chemistry, nuclear, and organic chemistry. Laboratory work includes quantitative and qualitative analysis with computer acquisition and analysis of data.

Transfer: CSU; UC.

201X APPLIED PROBLEMS FOR GENERAL CHEMISTRY (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Pass/No Pass Only
Corequisites: CHEM 201A

Supplements Chem 201A to further develop general chemistry skills and conceptual understanding. Provides the opportunity for additional assistance in developing and mastering problem-solving abilities.

Transfer: CSU.

210FL INTRODUCTORY CHEMISTRY WITH FACILITATOR ASSISTED LEARNING (4.00)
7.00 hours per week: (3.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: MATH 123 or equivalent

Presents an introduction to chemistry as a laboratory techniques and methods, including a survey of important chemical principles and a description of the elements and their compounds. One lab hour per week will utilize Facilitator Assisted Learning to practice problem solving.

Transfer: CSU; UC (For UC, no credit if taken after CHEM 210A).

211 INTRODUCTORY ORGANIC/BIOCHEMISTRY (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: CHEM 210FL or equivalent

Presents a semester course of organic and biochemistry. The classification, structure, reactions, bioenergetics, biosynthesis, and chemical communication of organic compounds are studied. In the laboratory, techniques and types of reactions are studied.

Transfer: CSU; UC (For UC, maximum credit of once course between CHEM 211 and CHEM 212A).

212A ORGANIC CHEMISTRY (5.00)
9.00 hours per week: (3.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: CHEM 201B

Presents the first semester of a one-year course in organic chemistry. The structure and physical properties of the aliphatic, alicyclic and aromatic compounds are correlated with attention to nomenclature and reaction mechanisms. The concepts of stereochetry, nucleophilic substitution, electrophilic addition and spectroscopy will be introduced. In the laboratory, separation techniques and synthesis reactions will be performed.

Transfer: CSU; UC (For UC, maximum credit of once course between CHEM 211 and CHEM 212A).

212B ORGANIC CHEMISTRY (5.00)
9.00 hours per week: (3.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: CHEM 212A

Presents the second semester of a one-year course in organic chemistry. The study of reaction types and mechanisms will be correlated with structures. In addition, carbohydrates, fats, proteins and nucleic acids will be studied in conjunction with certain cellular processes. Organic synthesis, structural features, and literature materials will be studied.

Transfer: CSU; UC.

245A INTRODUCTION TO CHEMISTRY FACILITATOR ASSISTED LEARNING (1.50)
1.50 hours per week: (1.50 lecture hours)
Associate Degree Applicable
Pass/No Pass Only
Advisories: CHEM 210FL or CHEM 201A

Prepares students to facilitate Introductory Chemistry by developing interpersonal skills, understanding of the learning process, and effectiveness as a facilitator. Introduces practical applications of facilitator assisted learning (FAL) in small groups of chemistry students.

Transfer: CSU.

245B ADVANCED CHEMISTRY FACILITATOR ASSISTED LEARNING (1.50)
1.50 hours per week: (1.50 lecture hours)
Associate Degree Applicable
Pass/No Pass Only

Examines advanced approaches to facilitating Introductory Chemistry using interpersonal skills and knowledge of learning processes to increase effectiveness as a facilitator. Analyzes and implements facilitator assisted learning (FAL) techniques as applied to small groups of chemistry students.

Transfer: CSU.

245C CHEMISTRY FACILITATOR ASSISTED LEARNING MENTOR (1.50)
1.50 hours per week: (1.50 lecture hours)
A comprehensive course that integrates personal growth and values, academic study strategies, and critical and creative thinking proficiency. This survey course focuses on life management, learning styles, personal and educational values, time management, instructor-student relations, maintaining health, memory and concentration, lecture note-taking, textbook studying, subject-specific studying, test taking, using the library, critical analysis, problem solving, and creative thinking. Emphasis is on the attainment of life-long success in academic, professional and personal development.

Transfer: CSU; UC.
Advisories: ENGL 156
Explores the relationship between the physiological, psychological, and emotional responses to test and performance anxiety. Course investigates the theories of stress and anxiety and offers guided practice in the cognitive, meditative, and biofeedback-aided techniques to manage anxiety while taking a test, succeeding in math, giving a speech, and/or competing in a sports event.
Transfer: CSU.

COMMUNICATION STUDIES [COMM]

193 COMMUNICATION STUDIES SPECIAL TOPIC (0.50 to 4.00)
0.00 - 0.00 hours per week: (0.00 - 0.00 lecture hours, 0.00 - 0.00 lab hours)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

201A PUBLIC ADDRESS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces public speaking with an emphasis on clear, logical organization and effective delivery of expository and persuasive speeches.
Transfer: CSU; UC.

210 SMALL GROUP COMMUNICATION (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Explores the theories, techniques, and methods of small group communication. Develops participation and leadership skills of effective communicators within the small group setting by focusing on problem-solving, decision making, conflict resolution, dimensions of diversity, responsibilities of group members, and managing the group process. Provides applied practice through group activities, group presentations, and project group work. Involves regular outside of class group meetings.
Transfer: CSU.

212 INTERCULTURAL COMMUNICATION (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Focuses on the importance of culture and its effect on communication. Examines interactive patterns of communication across various cultural contexts (international, ethnic, gender, and class) and assess different methods and techniques of adapting communication to enhance and overcome the difficulties of intercultural communication. Analyzes how cultures adapt, borrow, communicate verbally and non-verbally, and are represented in a diverse world.
Transfer: CSU; UC.

215 ARGUMENTATION AND DEBATE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Building, defending, and refuting arguments in formal and informal settings. Evaluation and use of evidence, reasoning, and sources. Emphasis on oral advocacy and debate skills such as organization, refutation, cross examination, and audience adaptation. Students will debate and communicate arguments orally.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: SPEECH (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of speech under the direction of an instructor.
Transfer: CSU.

COMPUTER APPL/OFFICE ADM [CAOA]

120A BEGINNING COMPUTER KEYBOARDING AND DOCUMENT PROCESSING (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Designed for all students whose keyboarding skill will be primary and/or secondary to their vocation and/or for personal use. Provides basic keyboarding skills by touch, using a microcomputer with a 10-key pad. Includes basic formatting instructions for letters, tables, and reports.

120B INTERMEDIATE COMPUTER KEYBOARDING AND DOCUMENT PROCESSING (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: CAOA 246 or CAOA 251A, CAOA 251B and CAOA 251C
Designed for all students whose keyboarding skill will be primary and/or secondary to their vocation and/or personal use. Provides the primary purposes of building speed and accuracy and arranging letters, memos, reports, business forms and tables in proper format.

129 COMPUTER APPLICATIONS/OFFICE ADMINISTRATION INTERNSHIP (3.00)
8.00 hours per week: (0.50 lecture hours, 7.50 lab hours)
Associate Degree Applicable
Letter Grade Only
Provides students an opportunity to experience the responsibilities of an office employee in a business setting.
162 INTRODUCTION TO BEGINNING COMPUTER KEYBOARDING (1.00)
1.50 hours per week: (0.75 lecture hours, 0.75 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Introduces typing fundamentals, machine functions, keyboard use, and speed and accuracy drills. Designed to develop a minimum typing speed of 20 words a minute.

266 INTRODUCTION TO COMPUTER BASICS (1.00)
1.50 hours per week: (1.00 lecture hours, 0.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Covers the basics of the computer's Windows operating system. Includes working with folders and files, customizing the operating system environment, using a browser to explore and search the World Wide Web.
Transfer: CSU.

520A BEGINNING COMPUTER KEYBOARDING AND DOCUMENT PROCESSING (0)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Non-Applicable
Non-Credit/Non-Graded
Advisories: ENGL 156
Designed for all students whose keyboarding skill will be primary and/or secondary to their vocation and/or for personal use. Provides basic keyboarding skills by touch, using a microcomputer with a 10-key pad. Includes basic formatting instructions for letters, tables, and reports.
Repeatable.

520B INTERMEDIATE COMPUTER KEYBOARDING AND DOCUMENT PROCESSING (0)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Non-Applicable
Non-Credit/Non-Graded
Advisories: CAOA 251A, CAOA 251B and CAOA 251C or CAOA 120A, CAOA 520A, CAOA 246 or ability to type 30 words per minute
Designed for all students whose keyboarding skill will be primary and/or secondary to their vocation and/or personal use. Provides the primary purposes of building speed and accuracy and arranging letters, memos, reports, business forms and tables in proper format.
Repeatable.

520S SPEED AND ACCURACY COMPUTER KEYBOARDING (0)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
Associate Degree Non-Applicable
Non-Credit/Non-Graded
Advisories: Ability to type 20 words per minute or successful completion of CAOA 120A
Increases skills in typing speed and accuracy. Emphasizes keyboarding basics through keystoking analysis and corrective drills.
Repeatable.

562 INTRODUCTION TO BEGINNING COMPUTER KEYBOARDING (0)
1.50 hours per week: (0.75 lecture hours, 0.75 lab hours)
Associate Degree Non-Applicable
Non-Credit/Non-Graded
Introduces typing fundamentals, machine functions, keyboard use, and speed and accuracy drills. Designed to develop a minimum typing speed of 20 words a minute.
Repeatable.

COMPUTER INFORMATION SYSTEMS [CIS]

103 FUNDAMENTALS OF PROGRAMMING FOR THE INTERNET (2.00)
3.00 hours per week: (1.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade Only
Presents concepts of writing computer programs for use on the Internet. Includes techniques for problem analysis, software design, implementation, and verification with particular reference to object-oriented programming.

106 SERVER-SIDE PROGRAMMING (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: CIS 103 or CIS 201
Emphasizes the creation of interactive internet applications using a server-side language. Topics include core features of the language, control structures, functions, arrays, form validation, regular expressions, and database-driven internet applications.

154 ESSENTIALS OF MS OUTLOOK (2.00)
(Formerly CAOA 154)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: CIS 210
Introduces the computer user to an electronic desktop information management (DIM) system; a central location from which to create, view, and organize all computer information. Simplifies organizational tasks, journal entries, works with Web addresses by allowing the storage, management and navigation to web sites.

156 TEST PREP FOR MICROSOFT OFFICE SPECIALIST (MOS) CERTIFICATION (0.50)
(Formerly CAOA 156)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Provides students with the opportunity to become a Specialist in the Microsoft office programs (Word, Excel, Powerpoint, Access or Outlook.) Includes unlimited review and practice tests along with test-taking strategies. Upon completion of class, student will be prepared to take MOS certification exams.

173 ADOBE ACROBAT (1.50)
(Formerly CAOA 173)
2.00 hours per week: (1.25 lecture hours, 0.75 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents primary instruction in the use of Adobe Acrobat Professional. Students learn how to create Adobe PDF files from: Microsoft Office programs, popular author-
ing programs, image files and Web pages. In addition, students will learn reviewing and commenting on existing PDF files; customizing output quality by compressing and reducing file sizes; adding signatures and security to documents, converting paper forms to interactive online forms; creating multimedia presentations that include sound files. Course also teaches using Adobe Live Cycle Designer to create interactive forms from scratch.

193 COMPUTER INFORMATION SYSTEMS SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

193H COMPUTER GAME DESIGN AND DEVELOPMENT (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Provides students with insights and experience with game design and development.

193I TECHNOLOGY PROJECT (2.00)
3.00 hours per week: (1.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Develop a complete project for release. Includes specification and implementation of the project. Workshops on entrepreneurial skills to bring the project to market.

201 INTRODUCTION TO COMPUTER SCIENCE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Solving problems using computers. Introduces computer programming and algorithmic thinking.
Transfer: CSU; UC.

203 IOS DEVELOPMENT I (3.00)
0 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Provides the basics in mobile development for the iOS (iPhone, iPad, iPod, et al) platform. Covers the fundamentals of iOS development, standard development tools and resources, and an introduction to the Objective C language.
Transfer: CSU.

204 IOS DEVELOPMENT II (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: CIS 203
Provides in-depth material on intermediate facets of mobile development for the iOS (iPhone, iPad, iPod, et al) platform. Covers the enhanced methods of iOS development, development tools and resources, and additional features of the Objective C language. Prepares students to release professional quality applications.
Transfer: CSU.

207 ANDROID DEVELOPMENT I (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Provides the basics in mobile development for the Android platform. Covers the fundamentals of Android development, standard development tools and resources, and an introduction to the Java language.
Transfer: CSU.

208 ANDROID DEVELOPMENT II (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: CIS 207
Provides in-depth material on intermediate facets of mobile development for the Android platform. Covers the enhanced methods of Android development, development tools and resources, and additional features of the Java language. Prepares students to release professional quality applications.
Transfer: CSU.

210 INTRODUCTION TO COMPUTER APPLICATIONS (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces computer terminology, relationship between hardware and software, computer operating systems and application software such as word processing, spreadsheet, database management programs, Web features, and linking between application programs.
Transfer: CSU; UC.

215 ADVANCED BUSINESS APPLICATIONS (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: CIS 210
Integrate advanced skills and problem solving abilities using word processing, spreadsheet and database applications to complete business projects.
Transfer: CSU.

217 "C" PROGRAMMING LANGUAGE (3.00)
4.00 hours per week: (3.00 lecture hours, 1.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents a course in programming computers using the ANSI "C" programming language. Includes techniques for analyzing problems and devising algorithms for the computer solution of problems requiring the use of elementary algebraic concepts.
Transfer: CSU; UC.

231 FUNDAMENTALS OF COMPUTER SCIENCE I (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: CIS 201
Presents the fundamentals of an engineering approach to software development. Includes techniques for problem solving on computers using the ANSI "C" language. Includes data types and structures, control structures, variables, operators, functions, and files.
analysis and software design, implementation and verification. Includes algorithmic problem solving using basic procedural constructs and solving computational problems requiring an understanding of intermediate algebraic concepts. Introduction to object oriented programs, graphical user interfaces and software engineering.

Transfer: CSU; UC.

232 FUNDAMENTALS OF COMPUTER SCIENCE II (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Continues the fundamentals of algorithmic problem solving and applications in the engineering of modern computer software using procedural and object-based methods and object oriented programming languages. Presents the principles of abstract data types, including the specification and implementation of simple abstractions such as tables, stacks, queues and lists. Includes basic searching and sorting algorithms and introduces the analysis of algorithms and recursion.
Transfer: CSU; UC (For UC, both CIS 232 and 233 must be completed in order to receive transfer credits).

233 FUNDAMENTALS OF COMPUTER SCIENCE III (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Introduces advanced concepts including: theory, generic programming implementation, applications, and analysis of associated algorithms including lists, stacks, queues, hash tables, trees, and graphs, recursion, iteration, searching, and sorting algorithms and analysis.
Transfer: CSU; UC (For UC, both CIS 232 and 233 must be completed in order to receive transfer credits).

240 MICROCOMPUTER ARCHITECTURE & PROGRAMMING (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGR 219
Presents basic microprocessor concepts including internal architecture, memory, addressing, and control through the use of assembly language. Students will write a variety of assembly language programs to perform logic functions and high speed hardware control operations. The use of assemblers, linkers, and debugging tools will be explored.
Transfer: CSU; UC.

241 DISCRETE STRUCTURES (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Introduction to structures of computer science: numbers, sets, relations, functions and trees. This course includes propositional and predicate logic, applications of predicate logic: preconditions, postconditions, invariants, guards; inductive proofs; applications to verification of algorithms; introduction to complexity of algorithms.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: COMPUTER & INFORMATIONAL SCIENCE (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of computer and information science under the direction of an instructor.
Transfer: CSU.

271 COMPUTER GAME DESIGN (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Provides students with insights and experience with game design and development.
Transfer: CSU.

COMPUTER AND NETWORKING TECH (CNET)

100 CERTIFICATION PREPARATION AND TESTING (0.50)
1.50 hours per week: (1.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Provides students with tools to prepare for and complete popular certification tests such as CompTIA A+, Server+, Net+ and Cisco CCNA as well as others. Test Vouchers may become available through certification providers and testing will be scheduled in-class.

121 INTRODUCTION TO COMPUTER OPERATIONS (2.50)
3.50 hours per week: (2.00 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Introduces basic computer and operating system functions and operation. Includes overview of PC hardware components, interface devices, operating system purpose and uses. Provides hands on training in graphical user interface and command window operation, software installation and configuration.

218 WIRELESS NETWORK COMMUNICATION AND ADMINISTRATION (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: EET 213
Includes topics related to wireless networking and communications that address the Certified Wireless Network Administrator (CWNA) certification. This is an introductory course with broad exposure to the wireless communications field. General coverage of wireless transmissions, wireless network administration, and wireless connectivity will be addressed.
Transfer: CSU.

220 MICROCOMPUTER ARCHITECTURE AND PROGRAMMING (2.00)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
The course builds on concepts taught in the Microcomputer Fundamentals and Operating System Concepts courses. Topics include server architecture, memory, addressing, and control through the use of assembly language. Students will write a variety of assembly language programs to perform logic functions and hardware control operations. The use of assemblers, linkers, and debugging tools will be explored.

Transfer: CSU.

255 COPPER AND FIBER OPTIC CABLEING (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: MATH 123

Addresses topics on industry standard network cabling certification tests. Presents basic concepts in both copper and fiber optic network cabling and its application to network infrastructure. Basic terminology, cable types, wiring structures, installation factors and techniques will be discussed. LAN topologies, wiring technology, management, and standards will be investigated and applied to lab practice. Termination techniques for both multi-category twisted pair and fiber optic connectors will be studied and applied. Testing and troubleshooting of network cabling and terminations using wiremap, performance testers, optical test sets and optical time domain reflectometers will be explored. Certification testing at the end of the course will be offered..

Transfer: CSU.

260 NETWORKING FUNDAMENTALS (2.50)
3.50 hours per week: (2.00 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: CNET 253

Introduces students to the TCP/IP networking protocols, network topologies and media, and internetworking devices. Students will use sophisticated network design, configuration, and analysis CAD tools to select different networking media types, implement cabling and wiring connections, and develop IP addressing and subnetting schemes.

Transfer: CSU.

261 ROUTER THEORY AND TECHNOLOGY (2.50)
3.50 hours per week: (2.00 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: CNET 260

Introduces students to dynamic routing and packet switching concepts, routing tables and interface configuration, IPv4 and IPv6 addressing schemes, and network security (IPSec) protocols. Configuration and troubleshooting activities will focus on IPSec (data encryption and security), OSPF (Open Shortest Path First), and EIGRP (Enhanced Interior Gateway Routing Protocol).

Transfer: CSU.

262 LOCAL AREA NETWORKS (2.50)
3.50 hours per week: (2.00 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: CNET 260

Presents Local Area Network architecture and design,
including the Spanning-Tree Protocol and Virtual LANs, integration of switched and wireless technology, and wireless security concepts and configuration. This course continues preparation for the Cisco Certified Network Associate (CCNA) Exam.

Transfer: CSU.

263 WIDE AREA NETWORKS  
3.50 hours per week: (2.00 lecture hours, 1.50 lab hours)  
Associate Degree Applicable  
Letter Grade Only  
Advisories: CNET 260

Presents the technology, concepts, and protocols used for interconnecting networks and users through the wide area telecommunications infrastructure. Topics include the Point-to-Point Protocol (PPP), DSL and cable modem connections, Frame Relay, Virtual Private Networks (VPNs), as well as wide area network addressing and security solutions (IPv6 and IPSec) This course completes preparation for the Cisco Certified Network Associate (CCNA) Exam.  
Transfer: CSU.

CONSTRUCTION TECHNOLOGY [CTCH]

100 WORKPLACE SAFETY  
2.00 hours per week: (2.00 lecture hours)  
Associate Degree Applicable  
Letter Grade or Pass/No Pass

Introduces safety topics that address the OSHA 10 and 30 hour training requirements. Topics including OSHA safety and health standards, common violations, OSHA regulations, whistle blower rights, record keeping rules, fall protection, fire protection, electrical safety, hazardous communications, personal protective equipment and emergency planning.

163 CONSTRUCTION MANAGEMENT  
3.00 hours per week: (3.00 lecture hours)  
Associate Degree Applicable  
Letter Grade Only  
Advisories: ENGL 156

Presents the principles and practices of construction management for small firms, with emphasis on marketing, cost accounting, job costing, ownership structure, financing, legal requirements, and construction bonding.

164 BLUEPRINT READING  
3.00 hours per week: (3.00 lecture hours)  
Associate Degree Applicable  
Letter Grade or Pass/No Pass  
Advisories: ENGL 156 and CTCH 250

Introduces basic skills in interpreting blueprints used in construction and interpreting requirements of a plan check. Covers architectural working drawings of residential, light construction, and commercial buildings. Provides an overview of building code provisions in a plan check.

168 RESIDENTIAL PLUMBING  
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)  
Associate Degree Applicable  
Letter Grade or Pass/No Pass

Introduces basic residential plumbing theory, installation techniques, plan reading and estimating methods.

169 RESIDENTIAL WIRING  
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)  
Associate Degree Applicable  
Letter Grade or Pass/No Pass  
Advisories: CTCH 250

Introduces basic residential wiring skills. Includes basic electrical theory, installation techniques, basic plan reading, estimating and wiring methods.

171 HOMEBUILDING - LAYOUT AND CONCRETE I  
(Formerly CTCH 171A)  
3.00 hours per week: (2.00 lecture hours, 4.00 lab hours)  
Associate Degree Applicable  
Letter Grade or Pass/No Pass  
Advisories: CTCH 250

Provides basic instruction in the skills required for employment in building construction. Includes instruction in tool, equipment, and construction site safety, surveying, blueprint reading, concrete formwork, backhoe operations, and concrete flatwork.

172 HOMEBUILDING - FLOOR AND WALL FRAMING I  
(Formerly CTCH 172A)  
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)  
Associate Degree Applicable  
Letter Grade or Pass/No Pass  
Advisories: CTCH 250

Provides basic instruction in the skills required for employment in building construction. Includes instruction in rough carpentry, floor systems, wall framing, ceiling joists, exterior siding, shear walls, trusses, windows and roof sheathing, and fireplaces.

173 HOMEBUILDING - ROOF FRAMING I  
(Formerly CTCH 173A)  
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)  
Associate Degree Applicable  
Letter Grade or Pass/No Pass  
Advisories: CTCH 250

Introduces types of roof and stair systems, roofing, estimating live and dead loads, and specialized structural systems.

174 HOMEBUILDING - FINISH CARPENTRY I  
(Formerly CTCH 174A)  
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)  
Associate Degree Applicable  
Letter Grade or Pass/No Pass  
Advisories: CTCH 250

Provides basic instruction in the skills required to install interior and exterior doors, cabinet systems, interior and exterior trim, including stair cases, wainscot, decks and railings. Also covers basic millwork and machine use for making special moldings.

175 BASIC HEATING, REFRIGERATION AND AIR CONDITIONING  
3.00 hours per week: (3.00 lecture hours)  
Associate Degree Applicable  
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces residential gas heating, commercial refrigeration, and residential air conditioning. Includes demonstrations and systematic problem solving of electrical and mechanical malfunction.

176 BASIC WATER TREATMENT (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: MATH 123
Prepares the student to become a Water Treatment Plant Operator, Grade 1 or Grade 2. Includes the study of plant operation, water sources and treatment, reservoir management, coagulation and flocculation, sedimentation, filtration, disinfection, taste and odor control, and corrosion control.

177 WATER DISTRIBUTION SYSTEMS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: MATH 123
Prepares the student to be an operator for water storage and distribution systems. Provides an understanding of the basic operational and maintenance concepts of water distribution systems. Develops the ability to analyze and solve problems such as tastes and odors, corrosion damage, and system failures when they occur.

180A BUILDING CODE I, ARCHITECTURAL DESIGN PROVISIONS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: CTCH 250 and eligibility for ENGL 156.
Introduction to the Building Code, concentrating on the permit process and fundamental architectural design requirements involving occupancies, maximum allowable area, type of construction, proximity to property lines, exiting, fire protection, disabled access, elevators, and construction safety. This course is the first in a series of two which will familiarize the student with building code provisions relating to the design and construction of residential and commercial structures. The emphasis will be on requirements which limit or specify the building space to be created.

180B BUILDING CODE II, STRUCTURAL DESIGN AND MATERIAL PROVISIONS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Application of the Building Code, concentrating on basic structural requirements for wood, concrete, steel, and masonry construction. The course will cover code provisions for site preparation, foundations, roofing, and interior/exterior finish materials. This course is the second in a series of two which will familiarize the student with building code provisions relating to the design and construction of residential and commercial structures. The emphasis will be on requirements relating to the structural design of the building and the materials used to create the building space.

181 NATIONAL ELECTRICAL CODE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: CTCH 169 and ENGL 156
Introduces the use of the National Electrical Code. Promotes an understanding of the electrical code necessary to the installation of such systems and the need to safeguard the public through uniformity and safety in building laws.

183 COMMERCIAL AND INDUSTRIAL WIRING SYSTEMS (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: CTCH 169 and EET 213
Presents planning, construction, and testing of a typical commercial electrical installation including: plans and specifications, applicable codes, load calculations, wire sizing, conduit fill analysis and bending, branch circuits, feeders, grounding practices, transient surge suppression, uninterruptable power supply selection and installation techniques. Additionally studies the responsibilities and knowledge required for professional industrial and commercial electricians working under current state certification requirements including: industrial electrical service power and lighting, feeder bus systems, panel boards, hazardous locations, power factor, ballasts, transformers, switching systems, grounding and bonding, installation techniques, and applying code requirements to all aspects of commercial and industrial wiring systems. Course developed in conjunction with the California Apprenticeship Council’s standards for the State Electrical Certification Examination. Same course as EET 183.

183A COMMERCIAL WIRING AND ELECTRICAL SYSTEMS (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: CTCH 169 or 2 years experience in the electrical field.
Prepares the student to become a Water Treatment Plant Operator, Grade 1 or Grade 2. Includes the study of plant operation, water sources and treatment, reservoir management, coagulation and flocculation, sedimentation, filtration, disinfection, taste and odor control, and corrosion control.

183B INDUSTRIAL WIRING AND ELECTRICAL SYSTEMS (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: CTCH 169 or 183A or 2 years experience in the electrical field.
Studies the responsibilities and knowledge required for professional industrial electricians working under current state certification requirements including: the industrial electrical service, power and lighting, feeder bus systems,
panelboards, fiber optics and other high bandwidth data cabling systems, harmonics and filtering, hazardous locations, power factor, ballasts, transformers, switching systems, grounding and bonding, installation techniques, and applying code requirements to all aspects of industrial wiring systems. Course developed in conjunction with the California Apprenticeship Council’s standards for the State Electrical Certification Examination.

193 **CONSTRUCTION TECHNOLOGY SPECIAL TOPIC** (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

201 **PLANE SURVEYING** (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: MATH 229 or equivalent
Introduces the principles and practices of surveying, including the use of the engineer’s tape, level, transit, and the use of an EDM (Electronic Distance Measurement). This equipment will be used to perform computations for horizontal and vertical distances, profiles, azimuths and bearings, traverse closures, topographic mapping, earthwork and land grading, and horizontal and vertical curves. Maps and land description also will be discussed.

Transfer: CSU; UC.

247 **INDEPENDENT STUDIES: CONSTRUCTION TECHNOLOGY** (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the technical field in which the study is to be undertaken.
Provides an opportunity for in-depth study or practicum experience by an individual student in a selected topic in the construction technology area with support and direction from an instructor.
Transfer: CSU.

250 **MATERIALS OF CONSTRUCTION** (3.00)
4.00 hours per week: (2.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents the use and application of construction processes and materials for residential, commercial, heavy and highway construction. Covers topics such as elements of city planning, contracting, designing, construction finance, and real estate principals.
Transfer: CSU.

284 **INTRODUCTION TO SOLAR TECHNOLOGY** (3.5)
5.50 hours per week: (2.50 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisite: EET 213
Introduces basic concepts in solar energy including: the photovoltaic industry, solar radiation and electrical power, site surveying and planning, components of solar systems, cells modules and arrays, batteries, charge controllers and inverters. Addresses topics on the NABCEP PV entry level certification exam.

Transfer: CSU.

285 **SOLAR TECHNOLOGY DESIGN AND CONSTRUCTION** (3.5)
5.50 hours per week: (2.50 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisite: EET 284
Builds on basic concepts from introduction to solar technology (EET 284), expanded topics include: solar system sizing, mechanical and electrical integration, utility interconnection, permitting and inspection, commissioning, maintenance, troubleshooting and economical analysis. Addresses topics on the NABCEP PV entry level certification exam.

Transfer: CSU.

287 **INTRODUCTION TO GREEN TECHNOLOGY** (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisite: EET 284
Introduces students to Green Building technologies. Investigates environmental trades impact on society, conservation fundamentals, energy management concepts, basics of retrofits, energy efficient building techniques and solar and wind energy principles.

Transfer: CSU.

**COUNSELING [COUN]**

156 **STUDENT SUCCESS** (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Pass/No Pass Only
Advisories: ENGL 156
Prepares students for a successful college experience. College skills will include the understanding of campus/community diversity, communication, financial planning for college, utilizing campus/community resources, setting educational priorities to include looking at major and certificate programs, and understanding of college rules, regulations, and policies.

254 **CAREER EXPLORATION** (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Assesses the student’s interests, skills, personality, values, and includes career research in a planning process. Applies assessment information to occupational possibilities and choice of college majors.

Transfer: CSU.
### CRIMINAL JUSTICE [CJ]

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<th>Hours per week</th>
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<tr>
<td>193</td>
<td>CRIMINAL JUSTICE SPECIAL TOPIC</td>
<td>0.50</td>
<td>0.00</td>
<td>Lecture</td>
<td>0.00</td>
<td>Associate Degree Applicable</td>
<td>Letter Grade or Pass/No Pass</td>
<td>Examines a special topic in the field of study related to the discipline offering this course.</td>
</tr>
<tr>
<td>202</td>
<td>INTRODUCTION TO CRIMINAL JUSTICE</td>
<td>3.00</td>
<td>3.00</td>
<td>Lecture</td>
<td>3.00</td>
<td>Associate Degree Applicable</td>
<td>Letter Grade Only</td>
<td>Presents an overview of the history, theory, organization and practices of the criminal justice system and the interrelationship between the criminal justice system and society as a whole. Studies the origin, development and application of crime causation theories. Includes exploration and analysis of the roles, structure, and function of criminal justice agencies. Integrates an examination of the criminal justice system with a critical analysis of the system as an instrument of societal control and change.</td>
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<tr>
<td>204</td>
<td>PRINCIPLES AND PROCEDURES OF THE</td>
<td>3.00</td>
<td>3.00</td>
<td>Lecture</td>
<td>3.00</td>
<td>Associate Degree Applicable</td>
<td>Letter Grade Only</td>
<td>Examine and analyze due process in criminal proceedings from investigation through trial, sentencing, and appeal. Includes a review of statutory law, and state and federal constitutional case law.</td>
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<tr>
<td>206</td>
<td>CONCEPTS OF CRIMINAL LAW</td>
<td>3.00</td>
<td>3.00</td>
<td>Lecture</td>
<td>3.00</td>
<td>Associate Degree Applicable</td>
<td>Letter Grade Only</td>
<td>Presents elements of the penal code and general laws about crimes against persons, property, standards of morality, and the state.</td>
</tr>
<tr>
<td>208</td>
<td>LEGAL ASPECTS OF EVIDENCE</td>
<td>3.00</td>
<td>3.00</td>
<td>Lecture</td>
<td>3.00</td>
<td>Associate Degree Applicable</td>
<td>Letter Grade Only</td>
<td>Presents kinds of evidence and principles of admissibility, witness competency, privileged communications, and hearsay. Includes the procedures to be followed in evidence collection and preservation.</td>
</tr>
<tr>
<td>210</td>
<td>PRINCIPLES OF INVESTIGATION</td>
<td>3.00</td>
<td>3.00</td>
<td>Lecture</td>
<td>3.00</td>
<td>Associate Degree Applicable</td>
<td>Letter Grade Only</td>
<td>Presents investigation fundamentals of crime scene search, collecting/ recording evidence, interviews and interrogation. Covers procedures used in investigating various kinds of criminal activity.</td>
</tr>
<tr>
<td>213</td>
<td>CONCEPTS OF ENFORCEMENT SERVICES</td>
<td>3.00</td>
<td>3.00</td>
<td>Lecture</td>
<td>3.00</td>
<td>Associate Degree Applicable</td>
<td>Letter Grade Only</td>
<td>Presents concepts, responsibilities, and techniques of police patrol in handling ordinary police occurrences, including public service responsibilities.</td>
</tr>
<tr>
<td>224</td>
<td>COMMUNITY, DIVERSITY AND THE JUSTICE</td>
<td>3.00</td>
<td>3.00</td>
<td>Lecture</td>
<td>3.00</td>
<td>Associate Degree Applicable</td>
<td>Letter Grade Only</td>
<td>Explores the complex dynamic relationships between the community and the justice system. Examines the role that race, ethnicity, gender, sexual orientation, social class and culture play in the administration of justice. Presents the challenges of administering justice within a diverse and evolving multicultural population and imparts cultural competence and facilitation of conflict resolution.</td>
</tr>
<tr>
<td>226</td>
<td>INVESTIGATIVE REPORT WRITING</td>
<td>2.00</td>
<td>2.00</td>
<td>Lecture</td>
<td>2.00</td>
<td>Associate Degree Applicable</td>
<td>Letter Grade Only</td>
<td>Develops proper investigative report writing skills. Provides practice in drafting investigative reports that are used in the administration of justice. Emphasis is on proper use of terminology, attention to detail, clarity, organization, and accuracy in report writing.</td>
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<tr>
<td>228</td>
<td>INTRODUCTION TO CORRECTIONS</td>
<td>3.00</td>
<td>3.00</td>
<td>Lecture</td>
<td>3.00</td>
<td>Associate Degree Applicable</td>
<td>Letter Grade Only</td>
<td>Presents the history, operation, management, and procedures of the adult and juvenile correctional systems, including probation and parole. Examines the general operation of correctional institutions and the associated legal issues. Includes an examination of correctional policy and its impact on society.</td>
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<td>DISTANCE ED [DIST]</td>
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<tr>
<td>101</td>
<td>INTRODUCTION TO ONLINE COURSES</td>
<td>0.50</td>
<td>1.50</td>
<td>Lab</td>
<td>1.50</td>
<td>Associate Degree Applicable</td>
<td>Letter Grade Only</td>
<td>Introduces students to the different types of technologies utilized in a distance education course. Students will</td>
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</tbody>
</table>
determine if distance education is right for them and learn academic and technological skills for success in distance education and technology mediated courses.

**DRAMA [DRA]**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units (0.50 to 2.00)</th>
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<tbody>
<tr>
<td>193</td>
<td>DRAMA SPECIAL TOPIC</td>
<td>0.50 to 4.00</td>
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<tr>
<td></td>
<td>0.00 hours per week: (0.00 lecture hours)</td>
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<td></td>
<td>Associate Degree Applicable</td>
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<td>Letter Grade or Pass/No Pass</td>
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<td></td>
<td>Examines a special topic in the field of study related to the discipline offering this course.</td>
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<tr>
<td>200</td>
<td>ACTING I</td>
<td>(3.00)</td>
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<td></td>
<td>5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)</td>
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<td></td>
<td>Associate Degree Applicable</td>
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<td>Letter Grade Only</td>
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<td></td>
<td>Explores basic acting theory to performance and develops the skills of interpretation of drama through acting. Special attention is paid to skills for performance: memorization, stage movement, vocal production, and interpretation of text.</td>
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<td>Transfer: CSU; UC.</td>
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<tr>
<td>201</td>
<td>ACTING II</td>
<td>(3.00)</td>
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<td></td>
<td>5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)</td>
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<td></td>
<td>Associate Degree Applicable</td>
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<td>Letter Grade Only</td>
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<td>Advisories: DRA 200</td>
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<td></td>
<td>Continues the exploration of theories and techniques used in preparation for the interpretation of drama through acting. The emphasis will be placed on deepening the understanding of the acting process through character analysis, monologues, and scenes with special emphasis on styles and forms of acting. Students may perform in an Acting Showcase at semester’s end.</td>
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<td>Transfer: CSU; UC.</td>
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<tr>
<td>207</td>
<td>INTRODUCTION TO THEATRE</td>
<td>(3.00)</td>
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<td>3.00 hours per week: (3.00 lecture hours)</td>
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<td>Associate Degree Applicable</td>
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<td>Focuses on the relationship of theatre to various cultures throughout history, and on the contributions of significant individual artists. This course introduces students to elements of the production process including playwriting, acting, directing, design, and criticism. Students will also survey different periods, styles and genres of theatre through play reading, discussion, films and viewing and critiquing live theatre, including required attendance of theatre productions. Transfer: CSU; UC (For UC, maximum credit one course between DRA 206 and 207).</td>
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<tr>
<td>209</td>
<td>INTRODUCTION TO THEATRE DESIGN</td>
<td>(3.00)</td>
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<td>5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)</td>
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<td>Associate Degree Applicable</td>
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<td>Introduces the student to the theories and practices of theatrical design as it applies to scenery, properties, lighting, sound, costumes and make-up. Includes an overview of theatrical equipment and construction techniques necessary to realize the design. Transfer: CSU; UC.</td>
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<td>211</td>
<td>STAGECRAFT</td>
<td>(3.00)</td>
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<td></td>
<td>6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)</td>
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<td>Associate Degree Applicable</td>
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<td>Letter Grade or Pass/No Pass</td>
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<td>Introduces the student to the theories and practices of stagecraft. This comprehensive course covers the principles and safe execution of scenery construction, scenic art, properties, stage lighting, and audio through lecture and practical lab experience. Topics also include: design process, professionalism, and theatre performance spaces. Transfer: CSU; UC.</td>
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<tr>
<td>211B</td>
<td>ADVANCED STAGECRAFT</td>
<td>(3.00)</td>
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<td>6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)</td>
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<td>Associate Degree Applicable</td>
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<td>Letter Grade or Pass/No Pass</td>
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<td>Continues the study of theatre shop equipment and basic construction techniques needed for design, fabrication, and finishing of stage scenery and props. Transfer: CSU; UC.</td>
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<tr>
<td>236</td>
<td>INTRODUCTION TO THEATRICAL COSTUME CONSTRUCTION</td>
<td>(3.00)</td>
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<td>5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)</td>
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<td>Associate Degree Applicable</td>
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<td>Letter Grade or Pass/No Pass</td>
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<td>Explores the basic areas of costume construction. Topics include fabrics, color, patterns, sewing techniques, costume pieces, and accessories. Period styles, costume analysis, and basic design are also covered. It offers experience in constructing costumes for theatrical productions. Field trips may be required. Transfer: CSU.</td>
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<td>240</td>
<td>TECHNICAL THEATRE PRACTICUM</td>
<td>(3.00)</td>
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<td></td>
<td>6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)</td>
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<td>Associate Degree Applicable</td>
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<td>Letter Grade or Pass/No Pass</td>
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<td>Offers skill building lab opportunities in lighting, sound, scenery construction, props, and scenic art. Lab sessions are tailored to students’ current area of study. This course may be taken four times for credit. Transfer: CSU.</td>
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<tr>
<td>247</td>
<td>INDEPENDENT STUDIES: DRAMA</td>
<td>(0.50 to 2.00)</td>
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<td></td>
<td>1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)</td>
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<td>Associate Degree Applicable</td>
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<td>Letter Grade or Pass/No Pass</td>
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<td>Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken. Provides an opportunity for an in-depth study or practicum experience by an individual student in a selected topic of drama, under the direction of an instructor. Transfer: CSU.</td>
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<tr>
<td>248</td>
<td>REHEARSAL AND PERFORMANCE IN PRODUCTION</td>
<td>(3.00)</td>
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<td></td>
<td>6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)</td>
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</tbody>
</table>
201 Child growth and development (3.00)
3.00 hours per week: (3.00 lecture hours, 0.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ENGL 156
Presents a study of human development, and major milestones, from conception to adolescence; including cognitive (language), physical, social and emotional development, both typical and atypical, in order to foster an understanding of human behavior. In the process of studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages.
Transfer: CSU; UC.

202 Child, family and community (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ENGL 156
Examines the developing child in a societal context focusing on the interrelationship of family, school and community and emphasizes historical and socio-cultural factors. The processes of socialization and identity development will be highlighted, showing the importance of respectful, reciprocal relationships that support and empower families.
Transfer: CSU; UC.

203 Curriculum for young children (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents an overview of knowledge and skills related to providing appropriate curriculum and environments for young children from birth to age 6. Students will examine a teacher's role in supporting development and fostering the joy of learning for all young children using observation and assessment strategies emphasizing the essential role of play. An overview of content areas will include but not be limited to: Language and literacy, social and emotional learning, sensory learning, art and creativity, math and science.
Transfer: CSU.

204 Health, safety, and nutrition (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduction to the Title 22 Community Care Licensing laws, regulations, standards, center specific sun exposure and poison control policies and procedures, Red Cross and Playground Safety policies, and environmental rating scales for early childhood and infant/toddler programs and curriculum related to child health safety and nutrition. The key components that ensure physical health, mental health and safety for both children and staff will be identified along with the importance of collaboration with families and health professionals. Focus on integrating the concepts into everyday planning and program development for all children.
Transfer: CSU.

205 Introduction to Early Childhood Education: Principles and Practices (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Advisories: Concurrent enrollment in ECE 206 is highly recommended
Provides an overview of Early Childhood Education, educational requirements, compensation for teachers in California, and developmentally appropriate curriculum planning and teaching methods. This course reviews the historical roots of early childhood programs and the evolution of the practices promoting advocacy, professional ethics and identity.
Transfer: CSU.

206 Observation, recording techniques and assessment (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: Concurrent enrollment in ECE 205 is highly recommended
Explores techniques in observing, documenting and assessing the development and behavior of children. Anecdotal records, checklists, rating systems, portfolios and multiple assessment strategies will be explored.
Transfer: CSU.
Demonstrates developmentally appropriate early childhood teaching competencies under guided supervision. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment; and knowledge of curriculum content areas will be emphasized as students design, implement, and evaluate experiences that promote positive development and learning for all young children.

Transfer: CSU.

211 MUSIC AND MOVEMENT ACTIVITIES FOR YOUNG CHILDREN (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 156
Presents techniques and guidelines for teaching movement exploration, physical education, and music to the preschool through third grade child. Examines the child's need for effective movement skills and musical experiences. Meets Title XXII requirements: DS 3, DS 5.

Transfer: CSU.

215 TEACHING IN A DIVERSE SOCIETY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ENGL 156
Explores the issues of diversity and social justice and applies these concepts to early education programs. Self examination and reflection contribute to a deepening understanding of how to best support children as they gain a sense of identity and become respectful and confident members of our complex, diverse society. Various classroom strategies will be explored, emphasizing a culturally and linguistically appropriate anti-bias approach to creating a multicultural classrooms.

Transfer: CSU.

210 PRACTICUM: FIELD EXPERIENCE (3.00)
7.00 hours per week: (1.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ECE 201, 202, 203, 205 and 206,
Department of Social Services Title XXII, Section 101215B requires current TB clearance
Corequisites: ECE 209
Advisories: ENGL 156
Demonstrates developmentally appropriate early childhood teaching competencies under guided supervision. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment; and knowledge of curriculum content areas will be emphasized as students design, implement, and evaluate experiences that promote positive development and learning for all young children.

Transfer: CSU.
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education. Presents techniques for working with parent(s), including: development of long-range plans, interview and guidance skills, and the ability to work with small and large groups. Meets Title XXII requirements: DS 6 Basic.

Transfer: CSU.

245 ADULT SUPERVISION, EVALUATION AND STAFF RELATIONS IN ECE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ECE 207 or one year of Early Childhood Education teaching experience

Presents principles and practices in staff relations and the supervision and evaluation of staff in early childhood programs. Includes the study of the method of clinical supervision and performance evaluation, leadership styles, group dynamics, conflict resolution, staff development, staff diversity, staff roles and responsibilities. Meets Title XXII requirements: DS 6 Advanced: DS 6 Advanced

Transfer: CSU.

246 ADMINISTRATION AND SUPERVISION OF EARLY CHILDHOOD SCHOOLS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ECE 244 or ECE 245

Presents principles and practices in supervision and management of preschools, child care centers, and other programs. Includes the study of program planning, organizing, budgeting requirements, developing personnel policy, doing record keeping, following legal requirements and establishing relationships with community, parents, and regulatory agencies. Meets Title XXII requirements: DS 6 Advanced.

Transfer: CSU.

ECONOMICS [ECON]

193 ECONOMICS SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Examines a special topic in the field related to the discipline offering this course.

201A PRINCIPLES OF ECONOMICS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: MATH 123 or equivalent
Advisories: ENGL 156

Introduces the concepts and tools of macroeconomic analysis, especially as they apply to the United States economy. Includes the economizing problem; resource allocation between the private and public sectors; national income determination; fiscal and monetary policies as they relate to business cycles; and alternative views of Keynesians, Monetarists and supply-siders as they relate to solving economic problems.

Transfer: CSU; UC.

201B PRINCIPLES OF ECONOMICS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: MATH 123
Advisories: MATH 127

Presents introductory concepts pertaining to choices of individual economic decision-makers. Topics include scarcity, specialization and trade, market equilibrium, consumer demand, elasticity, production and cost theory, market structures, factor markets, market failure, and international trade.

Transfer: CSU; UC.

247 INDEPENDENT STUDIES: ECONOMICS (0.50 to 2.00)
1.50 - 6.00 hours per week: (0.00 lecture hours, 1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.

Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Economics under the direction of an instructor.

Transfer: CSU.

ELECTRONICS & ELECTRICAL TECH [EET]

119 STATE ELECTRICIAN TRAINEE TOPICS (2.00)
3.00 hours per week: (1.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade Only

Presents topics related to job-site safety, OSHA requirements for safely working on energized circuits, reading blueprints, schematics, wiring & ladder diagrams. Network cabling topics including high bandwidth cable theory, applications and testing. Low voltage alarm system topics. Introduction to HVAC operational theory, general system testing and troubleshooting.

183 COMMERCIAL AND INDUSTRIAL WIRING SYSTEMS (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: CTCH 169 and EET 213

Presents planning, construction, and testing of a typical commercial electrical installation including: plans and specifications, applicable codes, load calculations, wire sizing, conduit fill analysis and bending, branch circuits, feeders, grounding practices, transient surge supression, uninterruptable power supply selection and installation techniques. Additionally studies the responsibilities and knowledge required for professional industrial and commercial electricians working under current state certification requirements including: industrial electrical service power and lighting, feeder bus systems, panel boards, hazardous locations, power factor, ballasts, transformers, switching systems, grounding and bonding, installation techniques, and applying code requirements to all aspects of commercial and
industrial wiring systems. Course developed in conjunction with the California Apprenticeship Council's standards for the State Electrical Certification Examination. Same course as CTCH 183.

213 ELECTRONICS FUNDAMENTALS (6.00)
8.00 hours per week: (5.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Completion of or concurrent enrollment in
MATH 123 or MATH 127
Introduces a broad range of topics in electricity and electronics. Fundamentals of DC, AC, transistors, and digital logic are all addressed with heavy emphasis on basic concepts. Circuit analysis methods and troubleshooting will be studied using a hands-on approach.
Transfer: CSU.

224 INDUSTRIAL ELECTRONICS (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: EET 113 and EET 111 or EET 213
Advisories: EET 216
Course includes basic topics related to industrial electronics. A brief review of analog circuits is expanded upon to develop more advanced circuit concepts. Topics include FET’s, SCR’s, basic components involved in motor control, DC and AC motors, and their controller circuits will be covered. Operational amplifiers will be covered, and their applications to sensor instrumentation. Transducers and applications to various sensors for heat, flow, force, etc. will be developed. Troubleshooting techniques for the above topics will be incorporated with each section.
Transfer: CSU.

227 FLUID AND PNEUMATIC TECHNOLOGY (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Presents basic topics related to fluid and pneumatic systems and devices. Basic physics relating to fluid hydraulics and pneumatics will lead into applied topics such as tanks, pumps, pump filters, accumulators, actuators, valves, compressors, and pressure regulators. Some advanced topics such as physical locomotion as related to horsepower and torque calculations. In depth applications of accumulator circuits, directional control valves, sequencers, pilots and solenoid controlled valves. Application of relay and PLC circuits address in laboratory and field environment.
Transfer: CSU.

228 PLC AUTOMATION AND SOLAR MONITORING (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: EET 213
Presents basic topics related to Programmable Logic Controllers (PLC) and SCADA data acquisition systems. Topics include a discussion of the PLC’s purpose, basic operation, functions, and applications. PLC architecture and hardware will be investigated, including I/O structures and configurations, central processing unit, and power supplies. PLC programming basics including: relay ladder logic, extended relay instructions, timers and counters, math functions, data and bit manipulation will be studied. Programs will be written and debugged, in a laboratory environment, that interface to electromechanical, hydraulic, pneumatic and Solar monitoring equipment. PLC peripherals and accessories will also be studied as well as SCADA software configuration.
Transfer: CSU.

257 COMPUTER INSTRUMENTATION AND CONTROL (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: EET 224
Course includes topics related to basic process instrumentation and control developed in conjunction with Pacific Gas and Electric’s (PG&E’s) I&C technician training program. A brief review of industrial electronics is expanded upon to develop more advanced process instrumentation and control concepts. Topics include advanced applications of components used in both DC and AC motor control, recorders, control valves and actuators, temperature sensors, pressure sensors, level sensors, flow sensors and instrumentation maintenance techniques.
Transfer: CSU.

267 POWER SYSTEMS AND ROTATING ELECTRICAL MACHINERY (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: EET 224
Course includes topics related to fundamental industrial electrical maintenance training developed in conjunction with Pacific Gas and Electric’s (PG&E’s) Electrical Maintenance Training Program. A brief review of electrical theory and practical troubleshooting is expanded upon to develop comprehensive electrical power system concepts. Topics include power drawings and circuit diagrams, grounding-cabling and conduit, meters, power transformers, circuit protection, relays, rotating electrical machinery, electrical testing equipment, bolting practices, controllers, safety and fire protection.
Transfer: CSU.

EMERGENCY MEDICAL SERVICES [EMS]

102 EMERGENCY MEDICAL TECHNICIAN-REFRESHER (1.50)
1.50 hours per week: (1.50 lecture hours)
Associate Degree Applicable
Pass/No Pass Only
Prerequisites: Current CA Emergency Medical Technician certificate or a CA EMT/county EMT certificate that has not been expired for more than 2 years.
Reviews and updates knowledge and skills required to qualify for the State of California Emergency Medical Technician certification. Current CA EMT certification will need to be
received in the Nursing/Allied Health Department office in order to register for this course.

Repeatable.

102T EMERGENCY MEDICAL TECHNICIAN-TRANSITION (1.50)
1.50 hours per week: (1.50 lecture hours)
Associate Degree Applicable
Pass/No Pass Only
Prerequisites: Student must show proof of completion of ICS-100, ICS-700 and HAZMAT First Responder Awareness level training (or the equivalent to these courses). This may be taken as a pre-req or concurrently.

Designed for NREMT EMT-Basic to retain their National Registry status at the new Emergency Medical Technician level under the new EMS education standards. If you are an NREMT EMT-Basic who has an expiration date of March 31, 2011, you must complete a transition course by March 31, 2015. If your expiration date is March 31, 2012, then you must complete a transition course by March 31, 2016. To transition to the EMT level, the NREMT-Basic is not required to complete a National EMS certification examination. Completion of a transition course is not necessary to maintain California EMT certification. This transition course is for maintaining NREMT only. Student must show proof of completion of ICS-100, ICS-700 and HAZMAT First Responder Awareness level training (or the equivalent to these courses) to receive a transition course completion certificate from Cuesta. Instructions for submitting proof of completion will be provided by your instructor.

Repeatable 1 time(s).

103 HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONAL (1.50)
1.50 hours per week: (1.50 lecture hours)
Associate Degree Applicable
Pass/No Pass Only
Focus is safety in hazardous materials response as an emergency responder. After successful completion of this course, the student will receive a California State certificate for Hazardous Materials First Responder “Operational” level. The CA Certification meets the requirements of Title 8 CCR Sec. 5192 (q) and is required by emergency providers. A certification fee is required prior to completion of the course.

Repeatable 3 time(s).

105 PARAMEDIC PREPARATORY (1.50)
1.50 hours per week: (1.50 lecture hours)
Associate Degree Applicable
Pass/No Pass Only
Introduces the student who may be interested in paramedicine to pre-hospital concepts. Emphasis is on a strong base of EMT skills prior to considering a career in paramedicine. The course is designed to prepare the student for the paramedic training. Topics include anatomy and physiology review, patient assessment, electrocardiology, basic pharmacology and study habits as it applies to paramedic-level training.

Repeatable 1 time(s).

105L PARAMEDIC PREPARATORY LAB (0.50)
0 hours per week: (1.80 lab hours)
Associate Degree Applicable
Pass/No Pass Only

Prerequisites: Current county EMT certificate; American Heart Association Healthcare Provider CPR or Red Cross Professional Rescuer card; Must be at least 18 years of age on the first day of class.
Corequisites: EMS 105
Introduces the student to a ride-a-long experience exposing them to a working Paramedic on 911 systems in the field of EMS. The purpose is to watch how paramedics work with patients, Fire Departments, Police Departments, hospital staff, families and bystanders on scene, and nurses in the convalescent homes and other settings. Also, focuses on observation of how paramedics interact and work while on a call.

107A ADVANCED CARDIAC LIFE SUPPORT (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Pass/No Pass Only
Prerequisites: Current CPR for Health Care Providers Certificate and NRAD 204D or must be a licensed MD, RN, Physician Assistant or Paramedic with prior ECG knowledge.
Teaches Advanced Cardiac Life Support knowledge and skills necessary to provide the appropriate early treatment for cardiopulmonary arrest. Based on current American Heart Association guidelines.

107B PEDIATRIC ADVANCE LIFE SUPPORT (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Pass/No Pass Only
Prerequisites: Current CPR for Health Care Providers Certificate and NRAD 204D or must be a licensed MD, RN, Physician Assistant or Paramedic with prior ECG knowledge.
Teaches Pediatric Advanced Life Support knowledge and skills necessary to provide the appropriate early treatment for pediatric emergencies. Based on current American Heart Association guidelines.

107C PREHOSPITAL TRAUMA LIFE SUPPORT (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Pass/No Pass Only
Prerequisites: Must be a licensed Emergency Medical Responder, EMT, Paramedic, RN, Physician Assistant, or Physician. Military healthcare providers are also welcome.
Provides knowledge and skills taught to provide pre-hospital trauma life support appropriate for the care of the trauma patient. National Association of Emergency Medical Technicians based course.

193 EMERGENCY MEDICAL SERVICES SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

201 EMERGENCY MEDICAL TECHNICIAN (8.50)
9.50 hours per week: (8.00 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Student must be 18 years of age by the first
210 PARAMEDIC THEORY I (17.00)
18.00 hours per week: (16.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Admission into Paramedic Program
Apply knowledge of anatomy and physiology relevant to paramedic advanced life support training for emergency medical services. This includes cardiovascular, respiratory, pediatric, OB/GYN, and other emergency medical service training. Providing professional, non-discriminatory care for all people in their time of crisis. Perform as an EMS public servant Paramedic showing competency, ethical, confident entry-level healthcare. This course meets the minimum hours required to complete paramedic training in the state of California. Course content based on the guidelines and authority of the Title 22, Division 9, of the California Code or regulations and the US Department of Transportation Emergency Medical Technician-Paramedic Standard National Curriculum.
Transfer: CSU.

211 PARAMEDIC THEORY II (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: EMS 210
Corequisites: EMS 211L, EMS 212, EMS 213A
Apply knowledge of anatomy and physiology relevant to paramedic advanced life support training for emergency medical services. The study of medical disease and traumatic related injuries for Paramedic training which meets the requirements of the National Standard Curriculum. Includes ACLS, PALS, and PHTLS training and certification. Providing professional, non-discriminatory care for all people in their time of crisis. Perform as an EMS public servant Paramedic showing competency, ethical, confident entry-level healthcare. This course meets the minimum hours required to complete paramedic training in the state of California. Course content based on the guidelines and authority of the Title 22, Division 9, of the California Code or regulations and the US Department of Transportation Emergency Medical Technician-Paramedic Standard National Curriculum.
Transfer: CSU.

211L PARAMEDIC SKILLS (1.50)
4.50 hours per week: (4.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Corequisites: EMS 211, EMS 212, EMS 213A
Apply knowledge of anatomy and physiology relevant to paramedic advanced life support training for emergency medical services. This includes cardiovascular, respiratory, traumatic injuries, pediatric, OB/GYN, and other emergency medical service training. This lab portion provides supervised application of cognitive knowledge and skills in acute patient care.
Transfer: CSU.

212 PARAMEDIC CLINICAL (3.50)
10.50 hours per week: (10.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Corequisites: EMS 211, EMS 211L, EMS 213A
Provide clinical application of advance life support concepts in acute patient care for the Paramedic Student. Opportunities for increasing skill performance in the clinical (hospital) setting. This course meets the minimum hours required to complete paramedic training in the state of California. Course content based on the guidelines and authority of the Title 22, Division 9, of the California Code or regulations and the US Department of Transportation Emergency Medical Technician-Paramedic Standard National Curriculum.
Transfer: CSU.

213A PARAMEDIC INTERNSHIP I (2.00)
6.00 hours per week: (6.00 lab hours)
Associate Degree Applicable
Pass/No Pass Only
Corequisites: EMS 211, 211L, EMS 212
Apply the internship phase of paramedic training, which allows the student to be assigned to an emergency response vehicle with a field preceptor to establish advanced life support patient care responsibilities. This includes cardiovascular, respiratory, traumatic injuries, pediatric, OB/GYN, and other emergency medical service training. This portion of paramedic training provides supervised application of cognitive knowledge and skills in acute patient care. EMS 213A and EMS 213B meet the minimum hours for required to complete paramedic internship training in the state of California. Course content based on the guidelines and authority of the Title 22, Division 9, of the California Code or regulations and the US Department of Transportation Emergency Medical Technician-Paramedic Standard National Curriculum.
Transfer: CSU.

213B PARAMEDIC INTERNSHIP II (7.00)
7.50 hours per week: (7.50 lab hours)
Associate Degree Applicable
Pass/No Pass Only
Prerequisites: EMS 213A
Apply the last internship phase of paramedic training, which allows the student to be assigned to an emergency response vehicle with a field preceptor to establish advanced life support patient care responsibilities. This includes cardiovascular, respiratory, traumatic injuries, pediatric, OB/GYN, and other emergency medical service training. This portion of paramedic training provides...
supervised application of cognitive knowledge and skills in acute patient care. EMS 213A and EMS 213B meet the minimum internship hours required to complete paramedic training in the state of California. Course content based on the guidelines and authority of the Title 22, Division 9, of the California Code or regulations and the US Department of Transportation Emergency Medical Technician-Paramedic Standard National Curriculum.

Transfer: CSU.

**ENGINEERING [ENGR]**

**125 AUTOCAD**

2.00 hours per week: (1.33 lecture hours, 0.67 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: CIS 210 or basic knowledge of a Windows operating environment

Introduction to AutoCAD. Topics include basic drawing commands, layers, dimensioning, and editing objects. Intended for those students wanting to learn the software and not necessarily how to draw. Ideal for professional engineers and architects or students in architecture or interior design. This course is exactly the same material as the first six weeks of ENGR 226 (18 week course).

**193 ENGINEERING SPECIAL TOPIC**

0.50 to 4.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Examines a special topic in the field of study related to the discipline offering this course.

**210 COMPUTATIONAL METHODS FOR ENGINEERS**

3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Completion of or concurrent enrollment in MATH 265A
Advisories: PHYS 205A or 208A

Methodology and techniques for solving engineering/science problems using numerical-analysis computer-application programs MATLAB and EXCEL. Technical computing and visualization of problems in mechanics, electrical circuits, thermal systems, fluid systems and other branches of engineering.

Transfer: CSU; UC.

**217 INTRODUCTION TO ELECTRONIC CIRCUIT ANALYSIS**

6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: PHYS 208B

Presents an integrated transient and steady-state analysis of linear DC and AC circuits by use of the mesh and node approach. Examines network theorems, phasors, complex-frequency concepts, and computer circuit analysis.

Transfer: CSU; UC.

**219 DIGITAL DESIGN**

6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Prerequisites: CIS 217 or CIS 231

Presents standard material on binary arithmetic, Boolean algebra, Combinational and sequential logic circuits, finite state machines, for computer and electrical engineers. Hardware Description Language (HDL) is used to synthesize digital logic circuits in Programmable Logic Devices (PLDs).

Transfer: CSU.

**226 ENGINEERING DRAWING I**

6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only

Introduction to engineering drawing using AutoCAD. Topics include geometric construction, orthographic projection, isometrics, sectionals, auxiliaries, descriptive geometry, dimensioning, and working drawings. The first six weeks of this course are the same as ENGR 125.

Transfer: CSU; UC.

**246 MATERIALS ENGINEERING**

2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: CHEM 201A and MATH 265A
Corequisites: ENGR 246L

Presents the fundamentals of the structure of matter. Introduces physical and mechanical properties of materials including metals, alloys, ceramics, semi-conductors, and polymers. Provides a study of heat treatments, materials selection, corrosion phenomena, and equilibrium diagrams.

Transfer: CSU; UC.

**246L ENGINEERING MATERIALS LAB**

3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Corequisites: ENGR 246

Presents laboratory experiments on the heat treatment and resulting proper ties of metals, effects of cold deformation of metals, brittle-ductile fracture behavior, equilibrium phase relationships, corrosion, mechanical behavior of polymers, as well as properties of semiconductor devices.

Transfer: CSU; UC.

**247 INDEPENDENT STUDIES: ENGINEERING**

0.50 to 2.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the technical field in which the study is to be undertaken.

Provides an opportunity for in-depth study or practicum experience by an individual student in a selected topic in the engineering area with support and direction from an instructor.

Transfer: CSU.

**248 INTRODUCTION TO ENGINEERING**

1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 156

Broad overview of the field of engineering, including professional societies and their student chapters, professional licensing and registration, professional codes of ethics, the
elements of engineering design, and the scope of analysis and design activities undertaken by private and public sector civil design professionals.

Transfer: CSU; UC.

250 ENGINEERING STATICS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: PHYS 208A
Analyzes forces on structures in equilibrium, properties of forces, moments, couples and resultant, conditions for equilibrium, friction, centroids, and area moments of inertia. Introduces mathematical modeling and problem-solving utilizing vector mathematics.
Transfer: CSU; UC.

251 ENGINEERING DYNAMICS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Analyzes the dynamics associated with motion of rigid bodies and particles, including velocity, acceleration, relative motion, energy, work, momentum, and impulse. Utilizes vector mathematics.
Transfer: CSU; UC.

252A STRENGTH OF MATERIALS I (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ENGR 250
Study of stresses, strains, and deformations associated with axial, torsional, and flexural loading of bars, shafts, and beams. Includes analysis of elementary determinate and indeterminate mechanical and structural systems.
Transfer: CSU; UC (For UC, both ENGR 252A and 252B must be completed in order to receive transfer credit).

252B STRENGTH OF MATERIALS II (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: 252A
Study of stress and strain transformations, analysis of beam deflection and rotation, indeterminate beams, and column buckling.
Transfer: CSU; UC (For UC, both ENGR 252A and 252B must be completed in order to receive transfer credit).

ENGLISH [ENGL]

099 BASIC READING AND WRITING (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Prerequisites: AC5K 036 with a minimum grade of C or better AC5K 050 with a minimum grade of C or better and ESL 054 with a minimum grade of C or better or ESL 045 with a minimum grade of C or better and ENGL 156 or higher
Introduces students to the language arts through intensive reading, writing, and critical thinking. Emphasizes the process approach to reading and writing. Provides a basic course in sentence and paragraph construction, with limited introduction to the essay.

156 COLLEGE READING AND WRITING (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Placement Exam or ENGL 099 or ENGL 099E with a minimum grade of C or better.
Provides a basic course in college reading and writing with individual attention to sentence structure, paragraph and essay structure, grammar, and critical thinking skills.

193 ENGLISH SPECIAL TOPICS (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

201A ENGLISH COMPOSITION (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Placement Exam or ENGL 156 with a grade of C or better, or equivalent.
Provides a study of and practice in the use of language and writing of argumentative/analytical essays and research papers.
Transfer: CSU; UC.

201B COMPOSITION: INTRODUCTION TO LITERATURE/CRITICAL THINKING (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ENGL 201A
Provides an introduction to the study of literature with an emphasis in both literary composition and critical thinking. This course develops critical thinking and writing skills through the close study of major genres of literature: poetry, fiction, and drama. Students receive instruction in analytical and argumentative writing by studying literature and criticism and by identifying sound and fallacious methods of reasoning in assessments of literature.
Transfer: CSU; UC.
201C ENGLISH COMPOSITION: CRITICAL THINKING (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ENGL 201A
Presents an advanced composition course beyond ENGL 201A which emphasizes critical thinking, including reasoning, rhetoric, reading, and information fluency in order to develop argumentative skills for diverse contexts and audiences.
Transfer: CSU; UC.

205 INTRODUCTION TO POETRY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ENGL 201A
Introduces students to the formal and stylistic elements of poetry, providing them with a shared vocabulary for recognizing and analyzing different literary forms, and developing their reading, writing, and critical discussion skills by analyzing exemplary texts from a variety of historical periods, genres, and cultures.
Transfer: CSU; UC.

206 INTRODUCTION TO THE NOVEL (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ENGL 201A
Advisories: ENGL 201B
Introduces the study of the novel with emphasis on understanding, analysis, and appreciation of the novel through an in-depth examination of a variety of literary works.
Transfer: CSU; UC.

212A AMERICAN LITERATURE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ENGL 201A
Presents a survey of American literature from the pre-colonial period to the Civil War. Introduces the study of major American writers against their historical backgrounds. Such writers as Bradstreet, Paine, Franklin, Jefferson, Poe, Cooper, Irving, Bryant, Melville, Hawthorne, Longfellow, Emerson, Thoreau, Whitman, and Dickinson are studied.
Transfer: CSU; UC.

212B AMERICAN LITERATURE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ENGL 201A
The study of major America writers from the Civil War up through contemporary times. Includes writers such as Twain, Howells, Crane, London, Hemingway, Steinbeck, Faulkner, Wright, Dos Passos, Frost, Pound, Eliot, Stevens, Cummings, O'Neill, Tennessee Williams, Arthur Miller, O'Connor, Alice Walker, Berryman, Lowell, Sexton and Plath.
Transfer: CSU; UC.

213 MULTICULTURAL VOICES IN AMERICAN LITERATURE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ENGL 201A
Introduces current literary study which focuses upon issues of race, gender, class, sexual orientation, and ethnicity in American literature. Surveys American history and culture in the context of its multicultural literary tradition from the early Native American tradition to present day. Emphasizes the formation of minority discourse against and within American mainstream culture and its literary tradition. Uses poems, novels, short stories, and essays for study.
Transfer: CSU; UC.

215 SHAKESPEARE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ENGL 201A
Introduces Shakespeare’s works with emphasis on analysis of character and structured scene and requires preparation of critical papers based on analytical reading and investigation.
Transfer: CSU; UC.

216 LITERATURE AND FILM (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ENGL 201A
Presents the techniques of literary criticism to analyze films and the literary works that inspired them. Examines narrative in film and the criteria for evaluating films and literature emphasizing objective analysis and comparison and contrast.
Transfer: CSU; UC.

217 LITERATURE BY WOMEN (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ENGL 201A
Presents a survey of literature by women of English-speaking countries from the Middle Ages to the 21st century, with an emphasis on comparing historically oppressed women writers (including African-American and lesbian writers) to those in the mainstream. Authors covered include Phillis Wheatley, Anne Bradstreet, Mary Wollstonecraft, Jane Austen, Sojourner Truth, Harriet Beecher Stowe, Kate Chopin, Willa Cather, Gertrude Stein, Virginia Woolf, Zora Neale Hurston, Anne Sexton, Maya Angelou, Adrienne Rich, Toni Morrison, Sylvia Plath, Audre Lorde, Alice Walker, and Louie Erdrich.
Transfer: CSU; UC.

231 CREATIVE WRITING (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ENGL 201A
Presents an opportunity for creative literary expression
and emphasizes techniques in writing poems, and/or short stories, and/or plays for informal discussion and criticism by the class and by the instructor. Provides the opportunity to discover one's talent and to practice writing skills.

Transfer: CSU; UC.

237 INTRODUCTION TO FILM STUDY AND AESTHETICS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 201A
Introduces the close analysis of films ranging from the era of silent film to contemporary times. By examining the form, content, aesthetics, and meaning of a diverse series of films, students will be able to identify the historical and cultural significance of this art form. Topics include critical analysis of the function of visual design, editing, sound, genre forms, and ideology in a variety of narrative and non-narrative films produced by key filmmakers in cinema history.
Transfer: CSU; UC.

244A EUROPEAN LITERATURE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ENGL 201A
Presents a survey of European literature from the early Greeks up through the Renaissance of the 15th and 16th centuries. Major works and authors covered include Homer, Sophocles, Aristophanes, Plato, Aristotle, Virgil, Ovid, Catullus, “The Song of Roland,” Dante, Boccaccio, Petrarch, Rabelais, Cellini, Erasmus, Machiavelli, and Cervantes.
Transfer: CSU; UC.

244B EUROPEAN LITERATURE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ENGL 201A
Presents a survey of European literature from the Neo-classical Age up into the moderns of the 20th century. Major authors covered include Moliere, Racine, Voltaire, Rousseau, Goethe, Flaubert, Tolstoy, Ibsen, Chekhov, Baudelaire, Kafka, Sartre, and Camus.
Transfer: CSU; UC.

246A SURVEY OF BRITISH LITERATURE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ENGL 201A
Presents a survey of British literature from the Middle Ages through the 18th century. Introduces the study of significant British writers and texts against their historical backgrounds. Such writers as Margery Kempe, Julian of Norwich, Chaucer, Spenser, Shakespeare, Barbauld, Queen Elizabeth I, Donne, Milton, Swift, Pope, Montagu, Haywood, Johnson, and Austen will be studied.
Transfer: CSU; UC.

246B SURVEY OF BRITISH LITERATURE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ENGL 201A
Presents a survey of major British writers extending from the Romantic Period through the 20th century, focusing on such writers as William and Dorothy Wordsworth, Anna Letitia Barbauld, Olaudah Equiano, Mary and Percy Shelley, John Keats, Elizabeth Barrett Browning, Matthew Arnold, Elizabeth Gaskell, W. B. Yeats, T. S. Eliot, D. H. Lawrence, James Joyce, and Virginia Woolf.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: ENGLISH (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of English under the direction of an instructor.
Transfer: CSU.

ENGLISH SECOND LANGUAGE (ESL)

001 READING, WRITING, GRAMMAR AND CONVERSATION (6.00)
6.00 hours per week: (6.00 lecture hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Advisories: ESL Placement Test
Focuses on building English language skills for speakers of other languages with an emphasis on reading, writing, grammar, listening and speaking at the beginning level. May be taken concurrently with ESL 015, ESL 025, or ESL 035.

002 ESL READING, WRITING, AND GRAMMAR, LEVEL 2(6.00)
Associate Degree Non-Applicable
Pass/No Pass Only
6.00 hours per week: (6.00 lecture hours)
Advisories: High-beginning score on the ESL placement test or successful completion of ESL 001 with a grade of Pass
Focuses on building English language skills for speakers of other languages with an emphasis on reading, writing, grammar, listening and speaking at the high-beginning level. May be taken concurrently with ESL 015, ESL 025 or ESL 035.

015A BEGINNING LEVEL CONVERSATION (2.00 to 3.00)
2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Advisories: Beginning-level score on the oral component of the ESL placement test
Focuses on basic communication skills in listening comprehension and speaking for speakers of other languages and enables the beginning-level student to function in common English-speaking situations. Prepares students for ESL 025A, 025B or 025C.
015B BEGINNING LEVEL CONVERSATION (2.00 to 3.00)
2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Advisories: Beginning-level score on the oral component of the ESL placement test
Focuses on basic communication skills in listening comprehension and speaking for speakers of other languages and enables the beginning-level student to function in common English-speaking situations. Prepares students for ESL 025A, 025B or 025C.

015C BEGINNING LEVEL CONVERSATION (2.00 to 3.00)
2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Advisories: Beginning-level score on the oral component of the ESL placement test
Focuses on basic communication skills in listening comprehension and speaking for speakers of other languages and enables the beginning-level student to function in common English-speaking situations. Prepares students for ESL 025A, 025B or 025C.

025A INTERMEDIATE LEVEL CONVERSATION (2.00 to 3.00)
2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Advisories: Intermediate-level score on the oral component of the ESL placement test or completion of ESL 015 or 015A or 015B or 015C with a Passing grade.
Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the intermediate-level student to function in everyday English-speaking situations. Prepares students for ESL 035A, 035B or 035C.

025B INTERMEDIATE LEVEL CONVERSATION (2.00 to 3.00)
2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Advisories: Intermediate-level score on the oral component of the ESL placement test or completion of ESL 015 or 015A or 015B or 015C with a Passing grade.
Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the intermediate-level student to function in everyday English-speaking situations. Prepares students for ESL 035A, 035B or 035C.

025C INTERMEDIATE LEVEL CONVERSATION (2.00 to 3.00)
2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Advisories: Intermediate-level score on the oral component of the ESL placement test or completion of ESL 015 or 015A or 015B or 015C with a Passing grade.
Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the intermediate-level student to function in everyday English-speaking situations. Prepares students for ESL 035A, 035B or 035C.

035A ADVANCED LEVEL CONVERSATION (2.00 to 3.00)
2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Advisories: Intermediate-level score on the oral component of the ESL placement test or completion of ESL 025 or 025A or 025B or 025C with a Passing grade.
Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the advanced-level student to function in academic, professional and everyday English-speaking situations.

035B ADVANCED LEVEL CONVERSATION (2.00 to 3.00)
2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Advisories: Intermediate-level score on the oral component of the ESL placement test or completion of ESL 025 or 025A or 025B or 025C with a Passing grade.
Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the advanced-level student to function in academic, professional and everyday English-speaking situations.

035C ADVANCED LEVEL CONVERSATION (2.00 to 3.00)
2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Advisories: Intermediate-level score on the oral component of the ESL placement test or completion of ESL 025 or 025A or 025B or 025C with a Passing grade.
Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the advanced-level student to function in academic, professional and everyday English-speaking situations.

043 INTERMEDIATE GRAMMAR (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Advisories: ESL 002 with a grade of Pass or a qualifying score on ESL placement assessment
Focuses on building English language skills for speakers of other languages with an emphasis on grammar at the intermediate level. Provides instruction in present, past, and future tenses. Prepares students for ESL 044. May be taken concurrently with ESL 053, ESL 025A, 025B, or 025C.

044 HIGH-INTERMEDIATE GRAMMAR (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Advisories: ESL 043 with a grade of C or better or a qualifying score on ESL placement assessment
Focuses on building English language skills for speakers of other languages with an emphasis on grammar at the high-intermediate level. Provides instruction in present perfect, gerunds and infinitives, adjective clauses, and active vs. passive voice. May be taken concurrently with ESL 054, ESL 035A, 035B, or 035C.

053 INTERMEDIATE READING AND WRITING (6.00)
6.00 hours per week: (6.00 lecture hours)
Associate Degree Non-Applicable
Focuses on building English language skills for speakers of other languages with an emphasis on reading and writing at the intermediate level. Provides instruction in paragraph writing. Develops reading comprehension skills and strategies. This course prepares students for ESL 054. May be taken concurrently with ESL 043, ESL 025A, 025B, or 025C.

054 HIGH-INTERMEDIATE READING AND WRITING (6.00)
6.00 hours per week: (6.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Advisories: ESL 053 with a C or better or a qualifying score on the ESL placement test.

Focuses on building English language skills for speakers of other languages with an emphasis on reading and writing at the high-intermediate level. Provides instruction in paragraph writing. Develops reading comprehension skills and strategies. This course prepares students for ESL 099E. May be taken concurrently with ESL 044, ESL 035A, 035B, or 035C.

061 BEGINNING LANGUAGE LAB (0.50 to 1.00)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Advisories: Open to beginning-level students whose first language is not English.
Provides self-paced, individualized English-language instruction for beginning-level students whose first language is not English. The lab focuses on writing, reading, grammar, and listening skills needed in beginning-level ESL courses. This course is open to beginning-level students whose first language is not English.

062 INTERMEDIATE LANGUAGE LAB (0.50 to 1.00)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Advisories: Open to intermediate-level students whose first language is not English.
Provides self-paced, individualized English-language instruction for intermediate-level students whose first language is not English. The lab focuses on writing, reading, grammar, and listening skills needed for intermediate-level ESL courses. This course is open to intermediate-level students whose first language is not English.

063 ADVANCED LANGUAGE LAB (0.50 to 1.00)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Advisories: Open to advanced-level students whose first language is not English.
Provides self-paced, individualized English-language instruction for advanced-level students whose first language is not English. The lab focuses on writing, reading, grammar, and listening skills needed for advanced-level ESL courses. This course is open to advanced-level students whose first language is not English.

099E ADVANCED READING AND WRITING (4.00 to 6.00)
4.00 - 6.00 hours per week: (4.00 - 6.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Advisories: ESL 054 with a C or better or a qualifying score on the ESL or English placement test.

Focuses on building English language skills for speakers of other languages with an emphasis on reading, writing, and critical thinking at the advanced level. Provides instruction in essay writing and academic reading. This course prepares students for English 156. May be taken concurrently with ESL 044, ESL 035A, 035B, or 035C.

193 ENGLISH AS A SECOND LANGUAGE SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Limitation on Enrollment: Open to students whose first language is not English.

Examines a special topic in the field of study related to the discipline offering this course.

193A LANGUAGE LAB (0.50 to 1.00)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Pass/No Pass Only
Provides self-paced, individualized instruction in Academic English, including oral and written communication skills for students who speak English as a second language. The lab focuses on writing, reading, listening, and speaking skills needed in college courses. This course is open to any student whose first language is not English.

701 ESL BEGINNING LITERACY - LEVEL 1 (0)
4.50 hours per week: (4.50 lecture hours)
Associate Degree Non-Applicable
Non-Credit/Non-Graded
Repeatable 3 time(s).

The purpose of this course is to provide pre-literate students who have extremely limited or no reading/writing skills in their primary language with basic English necessary to function successfully in everyday encounters.

702 ESL BEGINNING LITERACY - LEVEL 2 (0)
4.50 hours per week: (4.50 lecture hours)
Associate Degree Non-Applicable
Non-Credit/Non-Graded
Provides students with basic skills at the beginning-low level in English through listening/speaking practice. Lifeskills, grammar, pronunciation, vocabulary, history, government, and culture are taught.
Repeatable 3 time(s).

703 ESL BEGINNING HIGH - LEVEL 3 (0)
4.50 hours per week: (4.50 lecture hours)
Associate Degree Non-Applicable
Non-Credit/Non-Graded
Provides students with basic skills in English at the beginning-high level through listening/speaking practice. Lifeskills, grammar, pronunciation, vocabulary, history, government, and culture are taught.
Repeatable 3 time(s).
704  ESL INTERMEDIATE LOW - LEVEL 4  (0)
  4.50 hours per week: (4.50 lecture hours)
  Associate Degree Non-Applicable
  Non-Credit/Non-Graded
Provides students with basic skills in English at the intermediate-low level through listening/speaking practice. Lifeskills, grammar, pronunciation, vocabulary, history, government, and culture are taught.
  Repeatable 3 time(s).

705  ESL INTERMEDIATE HIGH - LEVEL 5  (0)
  4.50 hours per week: (4.50 lecture hours)
  Associate Degree Non-Applicable
  Non-Credit/Non-Graded
Provides students with basic skills in English at the intermediate-high level through listening/speaking practice. Lifeskills, grammar, pronunciation, vocabulary, history, government, and culture are taught.
  Repeatable 3 time(s).

706  ESL ADVANCED - LEVEL 6  (0)
  4.50 hours per week: (4.50 lecture hours)
  Associate Degree Non-Applicable
  Non-Credit/Non-Graded
Provides students with basic skills in English at the advanced level through listening/speaking practice. Lifeskills, grammar, pronunciation, vocabulary, history, government, and culture are taught.
  Repeatable 3 time(s).

707  U. S. CITIZENSHIP  (0)
  3.00 hours per week: (3.00 lecture hours)
  Associate Degree Non-Applicable
  Non-Credit/Non-Graded
Designed to provide non-U.S. citizens with an in-depth study of the federal and state system of government and the U. S. Constitution. This class will also prepare students for the U.S. Citizenship and Immigration Service application process and oral interview.
  Repeatable.

FAMILY STUDIES (FMST)

193  FAMILY STUDIES SPECIAL TOPIC  (0.50 to 4.00)
  0.00 hours per week: (0.00 lecture hours)
  Associate Degree Applicable
  Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

202  CHILD, FAMILY AND COMMUNITY  (3.00)
  3.00 hours per week: (3.00 lecture hours)
  Associate Degree Applicable
  Letter Grade or Pass/No Pass
Studies patterns of family living in contemporary society, emphasizing the varying roles and interaction of family members and factors which affect family life. Discusses cultural, social, economic, racial, and ethnic differences. Focuses on the developing child and emphasizes the influences of family and community. Same as ECE 2. Meets Title XXII requirements: DS 2.
  Transfer: CSU; UC.

205  LIFE MANAGEMENT  (3.00)
  3.00 hours per week: (3.00 lecture hours)
  Associate Degree Applicable
  Letter Grade or Pass/No Pass
Life Management provides individuals with skills for understanding and using internal and external resources to function effectively in society now and in the future. Major topics covered in the course include: the effects of cultural forces and future trends on values, standards, and goals; skills for decision making, time, personal energy, stress, and conflict management; and techniques for improving self-esteem and self-understanding, values clarification, and interpersonal relationships.
  Transfer: CSU.

210  INTRODUCTION TO HUMAN SERVICES  (3.00)
  3.00 hours per week: (3.00 lecture hours)
  Associate Degree Applicable
  Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents an overview and history of the human services, with emphasis on the groups needing services in contemporary society. Acquaints students with career opportunities in, and the education and job requirements of the different services.
  Transfer: CSU.

212  HUMAN DEVELOPMENT: LIFE SPAN  (3.00)
  3.00 hours per week: (3.00 lecture hours)
  Associate Degree Applicable
  Letter Grade or Pass/No Pass
Advisories: ENGL 156
Integrates the physical, social, emotional and cognitive aspects of human development throughout the lifespan. Discusses the developmental tasks facing people at various points in the life cycle. Explores the way social interaction and cultural institutions shape the development of the individual. Meets Title XXII requirements: DS 1.
  Transfer: CSU; UC (For UC, maximum credit of one course between FMST 212 and 215).

213  ETHNIC IDENTITY AND DEVELOPMENT PATTERNS  (3.00)
  3.00 hours per week: (3.00 lecture hours)
  Associate Degree Applicable
  Letter Grade or Pass/No Pass
Interrogates the influence of ethnic identity on psycho-social developmental processes of major U.S. ethnic groups. Examines psychological theories of ethnic identity development and how ethnicity impacts the development and functioning of intra-psychological processes; interpersonal relationships; and mental health. Analyzes research methodology and current research on the developing person and multicultural psychology. Discusses the psychological contents of culture and its relationship to mental processes and behaviors.
  Transfer: CSU; UC.

214  FAMILY, RELATIONSHIPS AND INTIMACY  (3.00)
  3.00 hours per week: (3.00 lecture hours)
  Associate Degree Applicable
  Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presented sociological, psychological, and cross-cultural concepts of intimate relationships and the family unit. Focuses on diversity within and the development of committed relationships and the family unit. Emphasizes intimacy dynamics, communication processes, and assessment of functionality and wellness.

Transfer: CSU; UC.

215 DEVELOPMENTAL PATTERNS OF WOMEN (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156

Examines major theories and research illuminating the relationship between gender and women's development across the lifespan. Particular emphasis is given to the evaluation of how the socio-cultural construction of gender influences psychological processes and interpersonal relationships.

Transfer: CSU; UC (For UC, maximum credit of one course between FMST 212 and 215).

216 THE STUDY OF PARENTING: THEORY AND PRACTICE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156

Presents background for understanding parent-child relationships in the changing social environment. Examines common problems in child rearing, and cultural influences on parenting. Emphasizes development of a parenting philosophy and development of effective parenting behavior across the lifespan.

Transfer: CSU.

218 HUMAN SEXUALITY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156

Presents an overview of the complex social, psychological, and psychological aspects of human sexuality. Examines responsible use of sexuality as a part of life adjustment.

Transfer: CSU; UC.

247 INDEPENDENT STUDIES: FAMILY STUDIES (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of family studies under the direction of an instructor.

Transfer: CSU.

270 INTRO TO ADDICTION STUDIES: ADDICTION AND THE COMMUNITY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156

Explores historical, psychological, and sociological perspectives on the use, abuse, and social control of psychoactive drugs. Presents in depth analysis of the theoretical models of the biopsychosocial nature of addiction, the dynamics of addiction, the impact of addiction on children, families and society with emphasis on special populations, contemporary treatment and prevention approaches, and the addiction counseling profession.

Transfer: CSU.

271 GROUP PROCESS AND PRACTICE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: FMST 210 and FMST 270

Presents and develops basic competency in theory and techniques of group process and practice used in the helping professions including task-oriented, psychoeducational, counseling, and psychotherapy groups with specific populations.

Transfer: CSU.

272 DRUG PREVENTION AND EDUCATION (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: FMST 270

Presents and develops basic competency in the history, theories, research, and current approaches to substance abuse education and prevention including public policy, media, age, gender, ethnic and culture-specific considerations and models, environmental risk reduction, harm reduction, and healthy alternatives to substance use.

Transfer: CSU.

278 FAMILIES AND ADDICTION (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: FMST 270 and ENGL 156

Examines common patterns of family structure and functioning often correlated with substance abuse and addiction including the major types of family systems and dynamics. Reviews basic clinical practice including therapeutic approaches, skills, and techniques for effective intervention and treatment modalities for both individuals and the family system.

Transfer: CSU.

279 TREATMENT AND CASE MANAGEMENT (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: FMST 210 and FMST 270

Presents theories, skills, techniques, and legal and ethical practices fundamental to client treatment and case management. Includes guidelines for developing assessments, diagnoses, and the implementation of treatment plans. Emphasis is on working with chemically dependent individuals, survivors of intimate partner abuse, the homeless population, and individuals who are mentally impaired.

Transfer: CSU.

280 BASIC INTERVIEWING AND COUNSELING SKILLS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: FMST 210 and FMST 270
Presents and develops basic competency in one-on-one counseling skills relevant to the helping professions with emphasis on motivational interviewing and client empowerment approaches. Places a strong emphasis on professional ethics and boundaries. Skills may be applied in counseling, mediation, negotiation and interpersonal settings.
Transfer: CSU.

288 ADDICATION STUDIES FIELDWORK & SEMINAR (7.00)
17.00 hours per week: (2.00 lecture hours, 15.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: FMST 213, FMST 270, FMST 271, FMST 272, FMST 279, FMST 280, HEED 206
Provides the required 250 hours of internship for students seeking a degree or certificate in Addiction Studies and/or state certification as an alcohol and drug counselor. Course components include 15 hours a week of fieldwork in a licensed chemical dependency agency and 2.0 hours a week of seminar/classroom activities.
Transfer: CSU.

FRENCH [FR]

110 BEGINNING FRENCH CONVERSATION AND READING (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents basic vocabulary and pronunciation needed to converse in French. Students will also develop listening comprehension, reading skills and knowledge and understanding of French-speaking cultures.

120 FRENCH CONVERSATION AND READING (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: FR 110 or equivalent
Presents a continuation of FR 110 with intensive practice of oral communication skills and students will develop listening and reading strategies to access authentic cultural information.

193 FRENCH SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

201 FRENCH I (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents a topic-based introduction to contemporary French language and culture with an emphasis on listening comprehension, oral interaction, culture-centered reading and writing basic French. Social and cultural aspects of the French-speaking world are presented along with some of the most essential structures and vocabulary.

Transfer: CSU; UC.

202 FRENCH II (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: FR 201 or equivalent
Presents a continuation of FR 201 with intensive, topic-based practice in oral interaction, culture-centered reading and writing, and listening comprehension using recordings and video clips from the French-speaking world.
Transfer: CSU; UC.

203 FRENCH III (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: FR 202 or equivalent
Presents a continuation of FR 202 with intensive, topic-based practice in listening comprehension, cultural readings and writing, and oral interaction including group discussion.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: FRENCH (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Provides an opportunity for in-depth study by an individual student in a selected topic of French under the direction of an instructor.
Transfer: CSU.

GEOGRAPHY [GEOG]

201 PHYSICAL GEOGRAPHY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Studies human interaction with the basic elements of the physical environment. Includes climate, vegetation, soils, landforms, and their patterns of distribution.
Transfer: CSU; UC.

202 CULTURAL GEOGRAPHY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Studies human interaction with the basic elements of the cultural environment. Includes language, religion, economy, and other cultural phenomena and their patterns of distribution.
Transfer: CSU; UC.

GEOLOGY [GEOL]

193 GEOLOGY SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

**210 PHYSICAL GEOLOGY** (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156, MATH 123

Introduces the principles of geology with emphasis on Earth processes. Explores the evidence for the internal structure and origin of the Earth and the processes that change and shape it. Laboratory component focuses on the identification of rocks and minerals, topographic and geologic map interpretation to understand the work of water, wind, ice and gravity and the effects of tectonic and volcanic activity.

Transfer: CSU; UC.

**211 HISTORICAL GEOLOGY** (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: GEOL 210 or GEOL 220 or GEOL 212 and MATH 123 and ENGL 156.

Presents the theory of the origin and evolution of the earth and its lifeforms; emphasizing global tectonics, methods of geologic dating, stratigraphy, paleontology, and paleogeography of North America.

Transfer: CSU; UC.

**212 GEOLOGIC HAZARDS, MAN, AND THE ENVIRONMENT** (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156

Studies geologic hazards as they relate to human interaction with the environment. Emphasizes the cause of earthquakes, their recording, location, and measurement. Also covers flooding, landslides, subsidence, and volcanic hazards.

Transfer: CSU; UC.

**220 GEOLOGY OF CALIFORNIA** (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156

Introduces the principles and processes of the physical and historical geology of California.

Transfer: CSU; UC.

**225 INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS** (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Introduces the concepts, techniques, and tools of a Geographic Information System (GIS), including data acquisition, management, manipulation, spatial analysis, and cartographic output. Emphasizes training in the use of technology and software in order to provide students with skills and a conceptual base on which they can build further expertise in GIS. Includes exercises using GIS as a tool for solving real-world problems across a wide spectrum of disciplines. Focuses on development of spatial reasoning skills with applications in fields such as natural hazards, environmental assessment, and resource management.

Transfer: CSU; UC.

**229A GEOLOGICAL SCIENCE FIELD STUDIES** (1.00)
2.72 hours per week: (0.50 lecture hours, 2.22 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: GEOL 210 and GEOL 211 or GEOL 220
Presents an on-site field study of Yosemite, the Sierra Nevada, Mono Basin, Long Valley Caldera, and Owens Valley area.

Transfer: CSU; UC.

**229B GEOLOGICAL SCIENCE FIELD STUDIES** (1.00)
2.72 hours per week: (0.50 lecture hours, 2.22 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: GEOL 210 and GEOL 211 or GEOL 220
Presents an on-site field study of the Transverse Ranges, central San Andreas fault, Mojave desert, and the Death Valley area.

Transfer: CSU; UC.

**GERMAN [GER]**

**110 BEGINNING GERMAN CONVERSATION AND READING** (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: GER 110
Presents an introduction to contemporary German with emphasis on basic vocabulary and pronunciation skills needed to converse in German, interpretive communication skills and awareness of the links between language and culture.

**120 GERMAN CONVERSATION AND READING** (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: GER 110
Presents a continuation of GER 110 with emphasis on interpersonal and interpretive communication skills, including reading strategies for authentic cultural material and expanding awareness of the relationship between language and culture.

**193 GERMAN SPECIAL TOPIC** (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

**201 GERMAN I** (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: GER 110
Presents a topic-centered introduction to contemporary German language and culture with emphasis on interpersonal, interpretive and presentational communication skills and awareness of the links between language and culture.

Transfer: CSU; UC.
202 GERMAN II (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: GER 201 or equivalent
Presents a continuation of GER 201 with emphasis on interpersonal, interpretive and presentational communication skills, including reading strategies for authentic cultural material and expanding awareness of the relationship between language and culture.
Transfer: CSU; UC.

203 GERMAN III (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: GER 202 or equivalent
Presents a continuation of GER 202 with further development of interpersonal, interpretive, and presentational communication skills and continued awareness of cultural implications of language use.
Transfer: CSU; UC.

204 GERMAN IV (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: GER 203 or equivalent
Presents a continuation of GER 203 with emphasis on interpersonal, interpretive and presentational communication skills involving abstract topics and continued development of cultural knowledge and understanding based on social and historical context.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: GERMAN (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for in-depth study by an individual student in a selected topic of German under the direction of an instructor.
Transfer: CSU.

HEALTH EDUCATION [HEED]

193 HEALTH EDUCATION SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

202 HEALTH EDUCATION (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents the major health topics and provides an introduction to health careers, emphasizing the prevention of non-communicable conditions, promotion of health and fitness throughout the lifespan, and the application of current research in health to affect behavior and lifestyle changes. Health issues will be discussed from a multi-dimensional perspective using relevant examples from a variety of diverse populations, including predominant ethnic minority groups.
Transfer: CSU; UC (For UC, maximum credit of one course between HEED 202, 203, and 208).

203 WOMEN’S HEALTH ISSUES (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents major health issues of special significance to women cross culturally. Emphasis will be placed on current trends in the prevention of chronic diseases and health disorders, the promotion of a positive body image, and self-empowerment. Identification of significant cultural obstacles of access for women’s health care by non-dominant groups are presented. In addition, traditional, as well as, experiential and cooperative teaching/learning strategies will be used to explore the application of lifestyle changes to individual health beliefs and practices.
Transfer: CSU; UC (For UC, maximum credit of one course between HEED 202, 203, and 208).

204 STANDARD FIRST AID AND CPR (CARDIOPULMONARY RESUSCITATION) (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Provides information and training in the immediate and temporary emergency care in case of accident or illness. The student will learn to assess a victim’s condition and incorporate proper treatment. Standard first aid, C.P.R., and AED certificate examination(s) will be granted upon successful completion of requirements.
Transfer: CSU; UC.

206 HEALTH ASPECTS OF DRUG USE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents an in depth analysis of the major health problems associated with the use, misuse, and abuse of drugs including herbs/plants, performance enhancing, over-the-counter, prescription, controlled, and designer drugs. Emphasizes the metabolism of drugs, drug-drug and herb-herb interactions, addiction from an age, gender, and ethnic perspective, and the impact of substance use and abuse on a variety of cultures.
Transfer: CSU; UC.

208 MULTICULTURAL HEALTH (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
HISTORY [HIST]

203A HISTORY OF WORLD CIVILIZATIONS (3.00)

3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 156

Surveys World Civilizations from antiquity to the 1500's, with a particular emphasis on the dynamic interaction and comparison of peoples and cultures. The focus is on the role played by social, political, economic, cultural, and religious forces in shaping the major world civilizations and the legacy of these subsequent civilizations for our world today. The course will analyze these forces within the context of such historical concepts as cause and effect, multiple causation, and historical interpretation.

Transfer: CSU; UC.

203B HISTORY OF WORLD CIVILIZATIONS (3.00)

3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 156

Surveys World Civilizations from the 1500's to the present, with a particular emphasis on the increased integration of peoples and cultures as a result of the continuing process of globalization. The focus is on the transformations of human society and human social relations caused by such ideas as scientific racism, nationalism, imperialism, and constitutional government. This course also covers trends including the increasing prevalence of migration, the changing nature of warfare, the harnessing of fossil fuels, the growing integration of global economies, and the scientific and technological advances that continue to revolutionize humanity's understanding and relationship to the natural world. This course will investigate the roles played by social, political, economic, cultural, and religious forces in shaping the major world civilizations, and the legacy of these subsequent civilizations for our world today. The course will analyze these forces within the context of such historical concepts as cause and effect, multiple causation, and historical interpretation.

Transfer: CSU; UC.
207B HISTORY OF THE UNITED STATES (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Surveying United States History from 1865 to the present. It also analyzes many of America’s political, social, economic, and intellectual institutions, as they impact ethnic, racial, gender, and class relations, and how these influence contemporary life. This course also examines this nation's increasing involvement in world affairs. These analyses are set within the context of such historical concepts as cause and effect, multiple causation, and historical interpretation.
Transfer: CSU; UC.

210 HISTORY OF CALIFORNIA (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces the concepts and issues that have shaped the history of California. Emphasizes the physical environment, the indigenous Indian culture, the Hispanic culture, and the American culture. Analyzes political, social, and economic factors.
Transfer: CSU; UC.

212 HISTORY OF MEXICAN AMERICANS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ENGL 156
Examines the historical and contemporary experience of people of Mexican descent from pre-Contact indigenous Mexican societies to the present, focusing on the legacies of the U.S.-Mexican War, history of Mexican immigration, U.S.-Mexico relations, and the struggle for citizenship and civil rights.
Transfer: CSU; UC.

233 HISTORY OF AFRICAN AMERICANS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Examines the historical, cultural, political, economic, and social development of people of African descent from 1619 to the present, focusing on the legacies of slavery, abolitionism, emancipation, segregation, urban black migration, economic exploitation, and the continuous forms of black resistance in the struggle for civil rights.
Transfer: CSU; UC.

237 HISTORY OF AMERICAN WOMEN (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Surveys the social, political, economic, and cultural history of women in America from pre-European Native American societies through the late twentieth century, with particular emphasis on the marginalization of women and their struggles for justice, power, and equality in America.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: HISTORY (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of history under the direction of an instructor.
Transfer: CSU.

260 HISTORY OF THE SAN SIMEON REGION (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: HIST 207B, HIST 210, ART 203, ART 204
Focuses on the North Coast of San Luis Obispo County, the San Simeon region, using the methods of environmental and public historical studies. The course will analyze and interpret the diverse communities present at different times in the San Simeon area, paying special attention to land use, social and cultural patterns, group relations and gender roles. Following a natural history and geographic study of the area, the class will move chronologically from the earliest human communities to the near present.
Transfer: CSU.

INTERIOR DESIGN [ID]

193 INTERIOR DESIGN SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

247 INDEPENDENT STUDIES: INTERIOR DESIGN (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of interior design under the direction of an instructor.
Transfer: CSU.

270 INTRODUCTION TO INTERIOR DESIGN (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Recognize the skills and explain the profession of Interior Design including career options. Introduce industry standards pertaining to design principles, social responsibility, and presentation techniques.
Transfer: CSU.
272 ARCHITECTURAL DRAFTING AND STRUCTURE FOR INTERIOR DESIGN (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents the tools and techniques required for architectural drafting standards and lettering, while introducing the understanding of foundations, structure, and non-structural systems.
Transfer: CSU.

274 INTERIOR DESIGN STUDIO 1 (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ID 272
Advisories: ENGL 156
Demonstrate the elements and principles of design, concepts, and skills pertaining to two and three dimensional design including freehand and constructed representation of visual communication of ideas, objects and environments. Develop applications of color and concepts pertaining to color theory.
Transfer: CSU.

276 PRINCIPLES OF GREEN DESIGN (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ID 270, ID 272
Examine the history, philosophical, and practical principles of Green Design. Environmental issues, sustainable materials and methods, and application in professional practice are explored. The course provides a foundation for evaluation of materials, processes, and applications of design components related to the principles of sustainability and environmentally responsible design.
Transfer: CSU.

278 INTERIOR DESIGN STUDIO 2 (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: ID 274
Demonstrate foundational and evidence-based design skills for individual spaces within the commercial and residential built environment to include universal theory, sustainability standards, and building codes. An emphasis is placed on lighting theory, application of luminaries, and lighting design.
Transfer: CSU.

280 MATERIALS AND METHODS OF INTERIOR DESIGN (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Explain and examine textiles, materials, finishes, furniture, and equipment pertaining to residential and commercial interior design including performance, liability, construction, installation, and maintenance. Identify and examine textiles in regard to fiber, construction, finishes, testing, and codes used for Interior Design. Formulate the application and selection of appropriate fabrics applied to various forms and structures based on their properties, performance criteria, and environmental attributes.
Transfer: CSU.

282 HISTORY OF INTERIOR DESIGN (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Examine the History of Interior Design in regard to furnishings, interiors and architecture from Ancient Mesopotamian to the present. Evaluate the influence of each period and research skills for developing historical designs for today’s clients and projects.
Transfer: CSU.

284 INTERIOR DESIGN STUDIO 3 (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: ID 278
Develop and analyze the principles relating to residential design. Demonstrate the design process; establish goals, collect and analyze facts, test concepts, determine needs, and state the problem. Examine all elements of environmental design, human factors, universal design, building controls, and codes pertaining to the residential environment. Assemble concept statements, drawings, studies of theories, and specifications in presentation form to be used as part of the students portfolio.
Transfer: CSU.

286 CAD FOR INTERIOR DESIGN (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: CIS 210
Advisories: ID 272
Demonstrate computer aided drafting, modeling, and rendering using industry standard software. Create 2 dimensional and 3 dimensional drawings for construction documentation as well as conceptual presentation graphics. Develop and design a presentation for a design project that will become part of a portfolio.
Transfer: CSU.

288 PROFESSIONAL PRACTICE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Illustrate the business practices found in the field of residential and commercial interior design from types of firms, contracts, and ordering, to business etiquette.
Transfer: CSU.

290 INTERIOR DESIGN STUDIO 4 (4.00)
4.00 hours per week: (4.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ID 284
Presents applications of the principles of sustainable and
healthy interiors to the commercial environment. Emphasis is placed on the design process; space planning and analysis; and the identification and solution of design problems. Also included will be the study of traffic flow patterns, human factors, lighting, indoor air quality, and codes and regulations, with the emphasis on the U.S. Green Building Council’s Leadership in Energy and Environmental Design (LEED) program.

Transfer: CSU.

JOURNALISM [JOUR]

193 JOURNALISM SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Examines a special topic in the field of study related to the discipline offering this course.

201A NEWS WRITING AND REPORTING (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156

Introduces techniques of news reporting and writing. Provides intensive practice in gathering and evaluating information and writing basic news stories. Considers ethical and legal aspects of publications. Concentrates on the lead and simple story types, organization and structure of news stories, and the language and style of journalism.

Transfer: CSU.

201B INTRODUCTION TO MASS COMMUNICATION (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 156

Presents a survey of the field of journalism, media, and opportunities, including an introduction to journalism literature, news analysis, comparison of journalistic styles, and an introduction to the writing and structure of news stories.

Transfer: CSU; UC.

201C JOURNALISM FIELD STUDIES (0.50 to 1.00)
0.50 - 1.00 hours per week: (0.50 - 1.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156

Presents on-site studies of local, state, or national government entities, and/or publications and broadcasting stations. Students must pay their proportional part of the expenses resulting from transportation, meals, and lodging.

Transfer: CSU.

202A INTRODUCTION TO NEWS PRODUCTION (4.00)
8.00 hours per week: (2.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156

Introduces hands-on preparatory news production using state-of-the-art technology to produce “The Cuestonian,” the student newspaper. Presents all aspects of the newspaper business including reporting, writing, photography, word processing, typesetting, editing, graphic design, composition, layout, desk-top publishing, and distribution.

Transfer: CSU.

202B NEWS PRODUCTION (4.00)
8.00 hours per week: (2.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: JOUR 202A

Involves students in editorial positions using state-of-the-art computer technology to produce “The Cuestonian,” the student newspaper. Continues the study of all aspects of the newspaper business.

Transfer: CSU.

202C NEWS PRODUCTION (4.00)
8.00 hours per week: (2.00 lecture hours, 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: JOUR 202B

Involves students in major hands-on editorial positions and leadership in using state-of-the-art computer technology to produce “The Cuestonian,” the student newspaper. Continues the study of all aspects of the newspaper business.

Transfer: CSU.

203 FEATURE WRITING (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 201A

Introduces feature writing techniques. Presents critical analysis of markets for nonfiction articles and practice in research and preparation of articles for both magazines and newspapers.

Transfer: CSU.

205 MULTIMEDIA JOURNALISM (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: JOUR 201A and ENGL 156

Introduces the fundamentals of gathering, producing and presenting content for digital media. Explores ethical issues and stresses multimedia storytelling.

Transfer: CSU.

225 PUBLIC RELATIONS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Introduces public relations theory and practice. Focuses on working with media outlets, writing press releases and executing public campaigns in private, public and nonprofit organizations.

Transfer: CSU.

247 INDEPENDENT STUDIES: JOURNALISM (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of journalism under the direction of an instructor.
Transfer: CSU.

**KINESIOLOGY ACTIVITIES [KINA]**

### 201 WEIGHT TRAINING (0.50 to 1.00)
(Formerly PEAC 270)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of journalism under the direction of an instructor.
Transfer: CSU.

### 202 STRENGTH TRAINING FOR SPORT PERFORMANCE (0.50 to 1.00)
(Formerly PEAC 271)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Presents the fundamentals of weight training and the principles involved in developing a strength and endurance conditioning program. Students will learn proper training techniques utilizing a variety of exercise modalities to achieve strength, endurance and core stability.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

### 203 ENDURANCE CIRCUIT WEIGHT TRAINING (0.50 to 1.00)
(Formerly PEAC 269)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Recognize that circuit weight training is an approach to physical fitness that involves quick bursts of exercise with minimal rest intervals between each burst. The “circuit” in the term is a reference to students will move around a circuit to access different types of weight training equipment during their exercise sessions.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

### 204 POWER LIFTING (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Designed to offer students a chance to power train. Students will develop an understanding of power lifting and how to implement it into a fitness plan. Power lifting is a system of heavy resistance and low repetition exercise that builds power in large muscle groups. Recommended for students with experience in weight training.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

### 205 RESISTANCE TRAINING (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Presents a guided strength training course designed to sculpt and strengthen the body for general and/or sport specific fitness. The course utilizes muscular strength and endurance training using a variety of modalities and equipment including but not limited to: free weights, bars, exercise tubes, medicine balls, body weight, stability balls and cables.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

### 206 TRX FULL BODY FITNESS (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Presents the fundamentals of weight training and the principles involved in developing a strength and endurance conditioning program. Students will learn proper training techniques utilizing a variety of exercise modalities to achieve strength, endurance and core stability.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

### 207 ADVANCED TRACK & FIELD APPLICATIONS (2.00)
(Formerly PEAC 209)
6.00 hours per week: (6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Advisories: KINA 208

Designed for students of advanced skills and abilities in track and field. Fundamentals of jumping, throwing, sprinting, hurdling and distance running will be stressed. Recommended for those interested in club sport and/or intercollegiate competition.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

### 208 TRACK AND FIELD TECHNIQUES (1.00)
(Formerly PEAC 275)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade Only

Provides skills and techniques in multiple events for the sport of track & field.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

### 212 CARDIO STEP TRAINING (1.00)
(Formerly PEAC 264)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Presents a total fitness program, including cardiovascular, muscular strength and flexibility fitness through a step training program.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

### 213 ZUMBA (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Incorporates the Pilates method into a strengthening and stretching benefits. Poses are incorporated into the workout for their muscular usage to develop and challenge core strength. Various Yoga aerobic conditioning exercises. Pilates mat exercises are systematic alignment is taught by utilizing the barre to warm-up while also performing strengthening, lengthening, and breathing techniques from Pilates and Yoga. Correct anatomical alignment is taught by utilizing the barre to warm-up while also performing strengthening, lengthening, and aerobic conditioning exercises. Pilates mat exercises are used to develop and challenge core strength. Various Yoga poses are incorporated into the workout for their muscular strengthening and stretching benefits.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

214 CIRCUIT STEP TRAINING (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents a circuit mode of cardiovascular muscle endurance and core fitness activities, utilizing interval training and various exercise stations.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

217 KICKBOXING FOR FITNESS (0.50 to 1.00)
(Formerly PEAC 210)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents the concepts of cardiorespiratory fitness, muscular endurance, muscular strength, and flexibility of exercise through high-intensity kickboxing techniques.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

222 PILATES (0.50 to 1.00)
(Formerly PEAC 206)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents a progressive exercise program using the Pilates method. Exercises encompass the strength and flexibility fitness components, while focusing on alignment, efficiency of movement, balance and coordination.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

223 PILATES BARRE (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents a fitness method that teaches the fundamentals of the Pilates technique using the ballet barre as a tool. Pilates Barre utilizes the barre warm-up in a complimentary fashion with various principles, exercises, poses, stretches, and breathing techniques from Pilates and Yoga. Correct anatomical alignment is taught by utilizing the barre to warm-up while also performing strengthening, lengthening, and aerobic conditioning exercises. Pilates mat exercises are used to develop and challenge core strength. Various Yoga poses are incorporated into the workout for their muscular strengthening and stretching benefits.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

224 CORE PILATES (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Incorporates the Pilates method into a strengthening and general core fitness and sport training course. Students will improve overall movement fluidity, breathing techniques, kinesthetic awareness, proprioception, core strength, and endurance while integrating the mind/body connection during movement based on the original techniques developed by Joseph H. Pilates. Students will learn principles of proper alignment, strength, endurance, flexibility, balance, and coordination using intermediate level mat exercises.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

227 INDOOR CYCLING FOR FITNESS (0.50 to 1.00)
(Formerly PEAC 260)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents the concepts of cardio-respiratory fitness, muscular endurance, muscular strength and flexibility in a cycling format. Students will use a combination of cardio-respiratory training and strength work using stationary bikes to enhance overall fitness and health levels.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

231 CARDIO BOOTCAMP (0.50 to 1.00)
(Formerly PEAC 288)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents the fundamentals and techniques of total body fitness including cardiovascular fitness, strength, agility and flexibility training. Students will learn proper techniques and exercise progression in a predominantly outdoor environment.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

232 CARDIO ENDURANCE CONDITIONING (0.50 to 1.00)
(Formerly PEAC 266)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents a programmed method of cardiovascular/respiratory fitness through walking, running, swimming and/or cycling.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

233 SPORT SPECIFIC CONDITIONING (0.50 to 1.00)
(Formerly PEAC 267)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Presents general and sport-specific conditioning methods for intercollegiate athletes. Course is designed to meet conditioning needs using a variety of modalities including running, swimming, cycling and resistance training.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

234 CROSS FITNESS TRAINING (0.50 to 1.00)
(Formerly PEAC 265)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.

Provides an opportunity for an in-depth study or skill development experience by an individual student in a selected topic of physical education under the direction of an instructor.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

251 DISTANCE RUNNING FOR INDIVIDUAL SUCCESS (0.50 to 1.00)
(Formerly PEAC 274)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Presents the key ingredients of successful distance running and their application to lifelong fitness. The class will prepare students for competitive distance running; 10k - 1/2 marathon distances.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

252 INTRODUCTION TO TRAIL RUNNING (0.50 to 1.00)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Presents key concepts of a successful trail running program including health related fitness, appropriate gear, and trail running techniques. The course prepares student for trail running for recreation and/or competition.

Transfer: CSU.

256 VOLLEYBALL TECHNIQUES (0.50 to 1.00)
(Formerly PEAC 297)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Provides progressive instruction for skill development in both offensive and defensive systems of volleyball. Skills practice as well as rules and strategy of game play will be presented.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

261 SOCCER (0.50 to 1.00)
(Formerly PEAC 295)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Introduces techniques, tactics, skills, rules and attitudes inherent to the sport of soccer.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

266 WRESTLING (0.50 to 1.00)
(Formerly PEAC 250)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Presents the basic skill techniques involved in Folkstyle Wrestling. Emphasizes active participation in drill and scrimmage situations.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).
267  FREESTYLE WRESTLING  (0.50 to 1.00)
(Formerly PEAC 252)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents the basic skill techniques involved in International
Wrestling: Freestyle and Greco-Roman. Designed for both
the beginning and advanced wrestler.
Transfer: CSU; UC (UC credit limit of 4 semester credits
total in PEAD, KINA and ATHL courses).

271  BASKETBALL TECHNIQUES  (0.50 to 1.00)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Students must possess advanced collegiate
athletics skills and knowledge to participate, which will be
determined by the instructor.
Considers broad aspects of intercollegiate basketball.
Emphasizes offensive and defensive floor strategies, the
physical conditioning necessary for engaging in competitive
sports, and the responsibilities required of a player who par-
ticipates in a team activity.
Transfer: CSU; UC (UC credit limit of 4 semester credits
total in PEAD, KINA and ATHL courses).

272  FUNDAMENTALS OF BASKETBALL  (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Considers broad aspects of intercollegiate basketball.
Emphasizes offensive and defensive floor strategies, the
physical conditioning necessary for engaging in competitive
sports, and the responsibilities required of a player who par-
ticipates in a team activity.
Transfer: CSU; UC (UC credit limit of 4 semester credits
total in PEAD, KINA and ATHL courses).

277  BASKETBALL TECHNIQUES AND
APPLICATIONS  (0.50 to 1.00)
(Formerly PEAC 292)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Emphasizes basic skills, techniques, theories, strategies, and
rule interpretations used in basketball.
Transfer: CSU; UC (UC credit limit of 4 semester credits
total in PEAD, KINA and ATHL courses).

278  BASKETBALL FOR LIFETIME FITNESS  (0.50 to 1.00)
(Formerly PEAC 293)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: Prior participation in a high school, collegiate
or club level basketball program or consent of instructor.
Presents major concepts of basketball offense and defense,
taught and played in game-like situations.
Transfer: CSU; UC (UC credit limit of 4 semester credits
total in PEAD, KINA and ATHL courses).

281  SOFTBALL FUNDAMENTALS  (0.50 to 1.00)
(Formerly PEAC 296)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents theory, practice, and strategy of fastpitch softball.
Transfer: CSU; UC (UC credit limit of 4 semester credits
total in PEAD, KINA and ATHL courses).

286  ADVANCED BASEBALL APPLICATIONS  (2.00)
(Formerly PEAC 294)
6.00 hours per week: (6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: KINA 287
Designed for students of advanced ability in baseball. Fun-
damentals of offense, defense and advanced strategies will be
stressed. Recommended for those interested in intercol-
legiate competition.
Transfer: CSU; UC (UC credit limit of 4 semester credits
total in PEAD, KINA and ATHL courses).

287  BASEBALL TECHNIQUES  (1.00)
(Formerly PEAC 291)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents the skills, drills, theory and practice of advanced
baseball. Presents individual and team instruction to devel-
op player's own personal skills in a competitive atmosphere.
Transfer: CSU; UC (UC credit limit of 4 semester credits
total in PEAD, KINA and ATHL courses).

292  SWIMMING & DIVING APPLICATIONS  (2.00)
(Formerly PEAC 299)
6.00 hours per week: (6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Designed for students of advanced ability in swimming.
Fundamentals of all four competitive strokes and advanced
strategies of how to compete as an individual/team will be
incorporated. Recommended for those interested in intercol-
legiate competition.
Transfer: CSU; UC (UC credit limit of 4 semester credits
total in PEAD, KINA and ATHL courses).

293  SWIMMING TECHNIQUES  (0.50 to 1.00)
(Formerly PEAC 240)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: Float in water.
Emphasizes developing the fundamental techniques of
swimming. All strokes will be taught along with elementary
diving and basic survival skills. Endurance training and
cardiovascular fitness will be discussed.
Transfer: CSU; UC (UC credit limit of 4 semester credits
total in PEAD, KINA and ATHL courses).

294  LAP SWIMMING  (0.50 to 1.00)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: Swim 25 yards.
Provides training for students wishing to improve swim-
mimg skills in order to increase recreational enjoyment,
to improve stroke technique, and to increase endurance, strength, and stamina.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, KINA and ATHL courses).

KINESIOLOGY THEORY [KINE]

**201 INTRODUCTION TO KINESIOLOGY**

3.00 hours per week: (3.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Presents the study of kinesiology including the history, subdisciplines, future trends, and career opportunities in the areas of teaching, coaching, allied health, and fitness professions.

Transfer: CSU; UC.

**202 PRINCIPLES OF COACHING**

3.00 hours per week: (3.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Presents current theory and practice in coaching education, including sport pedagogy, physiology, psychology, administration, and risk management. Issues of performance and competition specific to child, youth, and collegiate coaching are emphasized. The course is designed to prepare students to take the American Sport Education Program Coaching Principles Certification Exam and/or the California Interscholastic Federation Exam.

Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses).

**213 INTRODUCTION TO PREVENTION AND CARE OF ATHLETIC INJURIES**

3.00 hours per week: (3.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Advisories: ENGL 156

Provides the student with basic exposure to the care and prevention of activity injuries. Includes general principles in sports medicine and athletic training.

Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses).

**214 FOUNDATIONS FOR FITNESS**

3.00 hours per week: (3.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Advisories: ENGL 156

Presents the physiological principles and other factors that provide the foundations for the development and maintenance of optimal physical fitness.

Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses).

**215 THEORY OF BASEBALL**

2.00 hours per week: (2.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Advisories: ENGL 156

Presents all the fundamental phases of defensive and offensive baseball. Lectures, chalkboard discussion, demonstrations, and video studies are included in the course.

Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses).

**216 THEORY OF TRACK AND FIELD AND CROSS COUNTRY**

2.00 hours per week: (2.00 lecture hours)

Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 156

Introduces the basic description and knowledge of all track and field and cross country events. Provides advanced understanding of rules, regulations, and organization of track and field and cross country including community events.

Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses).

**218 GROUP EXERCISE LEADERSHIP**

3.00 hours per week: (3.00 lecture hours)

Associate Degree Applicable
Letter Grade Only
Advisories: KINE 201 and ENGL 156

Presents the fundamentals of exercise programming and group class leadership. Students will demonstrate skills in assessment and monitoring of group fitness participants, learning methods of teaching group exercise classes, including general and special populations, as well as how to apply principles of adherence and motivation to group exercisers. Class will prepare students to take the ACSM Certified Group Fitness Instructor exam.

Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses).

**220 WELLNESS: PERSONALIZED FITNESS AND NUTRITION FOR LIFE**

4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Presents and applies the scientific principles of fitness and nutrition for a well lifestyle. Upon completion of the course, the student will be able to continue applying and implementing the fitness principles, wellness parameters, and nutritional guidelines into their personal lifestyles.

Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses).

**224 PERSONAL TRAINING CERTIFICATION**

3.00 hours per week: (2.00 lecture hours, 3.00 lab hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Advisories: BIO 212

Presents the principles of fitness training and its application to personal training for the health and fitness professional. Upon completion of this course, the student will be prepared to take the NASM personal trainer certification test.

Transfer: CSU.

LEADERSHIP [LDER]

**193 LEADERSHIP SPECIAL TOPIC**

0.50 to 4.00 hours per week: (0.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Examines a special topic in the field of study related to the discipline offering this course.
247 INDEPENDENT STUDIES: LEADERSHIP (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or skill development experience by an individual student in a selected topic of Leadership under the direction of an instructor.
Transfer: CSU.

253 PEER COUNSELING (2.00)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: Completion of or concurrent enrollment in ENGL 156
Peer Counseling is a practicum experience that helps to address positive mental health concepts. It prepares students to assist other students with issues and problems facing many college students, including self-acceptance, problem solving/decision making, and interpersonal relationships.
Transfer: CSU.

256 CAMPUS PEER EDUCATOR (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Pass/No Pass Only
Prerequisites: LDER 253
This course is designed for students who are interested in or who have been invited to be a campus peer educator. Peer education is a leadership program which takes the knowledge gained from LDER 253 and applies it in a way to promote healthy behaviors and wellness among all members of the Cuesta College community.
Transfer: CSU.

261A PHILOSOPHY OF LEADERSHIP (1.50)
1.50 hours per week: (1.50 lecture hours)
Associate Degree Applicable
Letter Grade Only
Studies group and individual leadership techniques. Identifies, classifies, and analyzes the components essential to the development of leadership. Includes definitions, traits and behaviors of leadership, personal considerations in leadership, listening skills, personal values, and problem solving. Recommended for all first-time elected or appointed officers in the Student Senate; and recommended for officers of other organizations with a voting position on the Student Senate.
Transfer: CSU.

261B LEADERSHIP: SUCCESS STRATEGIES SEMINAR (1.50)
1.50 hours per week: (1.50 lecture hours)
Associate Degree Applicable
Letter Grade Only
This course is designed to help students create greater success in college and in life. In so doing, discover those inner qualities necessary to become an effective leader. Such qualities touched on include personal responsibility; motivating purpose; taking effective action; building mutually supportive relationships; gaining heightened self awareness; developing emotional maturity; and believing in yourself.
Transfer: CSU.

262 STUDENT LEADERSHIP (1.00 to 3.00)
3.00 - 9.00 hours per week: (3.00 - 9.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: Completion of or concurrent enrollment in LDER 261A or LDER 261B for first-time elected or appointed officers in the Student Senate
Provides membership experience in the Student Senate with additional leadership experiences in the planning and implementation of student activities and services. Allows students to initiate on-campus and off-campus community projects and programs.
Transfer: CSU.

263 EXPLORING LEADERSHIP-MAKING A DIFFERENCE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Transfer: CSU.

LEGAL [LGL]

193 LEGAL SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examine a special topic in the field of study related to the discipline offering this course.

217 INTRODUCTION TO LAW (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces the student to the study of law and the interrelationship between law and society as a whole. Addresses the fundamental but seemingly contradictory functions the law serves as an instrument of both social control and social change. Also examines the critical role the law plays in conflict resolution, especially with regard to conflicts between majority and minority interests in society. Explores the evolution and social impact of different legal systems, competing sources of the law, and conflicting theories of the law. Integrates an examination of selected procedural and substantive areas of the law with a critical analysis of these areas as sources of social control, social change, and conflict mediation among various social groups.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: LEGAL (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected legal topic under the direction of an instructor.

Transfer: CSU.

**LIBRARY/INFO TECHNOLOGY [LIBT]**

**193 LIBRARY INFORMATION SPECIAL TOPIC (0.50 to 4.00)**
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

**201 INTRODUCTION TO LIBRARY SERVICES (1.00)**
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: DIST 101
Advisories: ENGL 156 with a minimum grade of C or better
Surveys the history, organization, services, personnel and functions of libraries and information centers. Provides beginning library/information technology students with an introduction and overview to the field and identifies job opportunities.

Transfer: CSU.

**202 INTRODUCTION TO WEB TECHNOLOGIES AND CONCEPTS (1.00)**
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Letter Grade only
This class introduces students to the wide range of concepts and technologies involved in web publishing, and management as well as employment opportunities. Topics will include the discussion and demonstration of multimedia and web technologies, web development languages, Internet publishing ethics, network fundamentals, marketing, management, and industry employment outlook.

Transfer: CSU.

**204 ORGANIZING INFORMATION (3.00)**
4.00 hours per week: (2.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade Only.
Prerequisites: LIBT 201
Advisories: ENGL 156
A practical introduction to the tasks involved with cataloging book and nonbook library materials. Includes descriptive cataloging using AACR2, subject cataloging, and classification. Covers MARC formats as well as their use in the OCLC bibliographic utility and local automated library systems.

Transfer: CSU.

**205 LIBRARY/INFORMATION CENTER COLLECTIONS (3.00)**
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: LIBT 201
Provides an overview of how to select, purchase, and organize print, electronic, and other materials to stock library/information center collections.

Transfer: CSU.

**206 INTRODUCTION TO THE INTERNET (1.00)**
2.00 hours per week: (0.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade Only
Designed to prepare students to use the Internet for personal and academic needs. This course is an introduction to various features and components of the Internet. Emphasis is also placed on the location and evaluation of Internet resources.

Transfer: CSU.

**207 WEB PAGE DEVELOPMENT (3.00)**
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Designed to prepare students to understand XHTML and the steps necessary to the effective design and development of a web site. All elements of web page design will be covered including such topics as content, navigation and aesthetics. The student will have the opportunity to demonstrate mastery of the subject by working on a collaborative web site project. This class is for the student who is new to web page development.

Transfer: CSU.

**208 LIBRARY SUPERVISORY SKILLS (1.00)**
1.00 hours per week: (1.00 lecture hours, 0.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: LIBT 201
Introduces supervisory skills within the context of a library department or branch. Covers how to train, motivate, counsel and evaluate employees, time management, delegation of work, preparation of memos and statistical reports.

Transfer: CSU.

**209 LIBRARY PUBLIC SERVICES (3.00)**
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: LIBT 201
Surveys all major library services provided to the public. Focuses on the philosophy, policies and procedures associated with reference/information and circulation services. Major emphasis is placed on skill building in defining and executing search strategies that answer information questions from the public.

Transfer: CSU.

**210 SCHOOL LIBRARY/MEDIA CENTER SERVICES (3.00)**
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: LIBT 201
Explores the role of the school library media program in the educational community. Introduces students to the basic skills and competencies necessary to provide effective school library media programs for grades K-12.
Transfer: CSU.

212 RESEARCH SKILLS FOR INFORMATION AGE (1.00)
1.00 hours per week: (1.00 lecture hours, 0.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
An information literacy course for students wishing to improve their research skills. This course will prepare students to effectively address different information questions, problems or issues by providing them with the skills to locate, interpret, analyze, synthesize, evaluate and communicate information.
Transfer: CSU.

213 ADVANCED INTERNET SEARCHING (1.00)
2.00 hours per week: (0.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Focuses on advanced search techniques, strategies, and concepts to locate a variety of information resources for personal and academic needs. Students will learn how to formulate effective search queries, select appropriate information resources, and retrieve and evaluate information from these resources.
Transfer: CSU.

214 INFORMATION TECHNOLOGY INTERNSHIP (2.00)
5.00 hours per week: (0.50 lecture hours, 4.50 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Completion of with a grade of C or better
or concurrent enrollment in 10 Library/Information Technology units from LIBT 201, LIBT 204, LIBT 205, LIBT 206, LIBT 208, LIBT 209, LIBT 215, or LIBT 217 or ten Web Development Technologies units from ART 220, BUS 243, BUS 248, LIBT 202, LIBT 206, LIBT 207, LIBT 211, LIBT 216, or LIBT 217 and Consent of the instructor.
Provides structured on-the-job experience in an appropriate information technology environment. (e.g., information center, library, business, etc.)
Transfer: CSU.

215 TECHNOLOGY IN THE WORKPLACE (2.00)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
This course offers a practical look at proper approaches and techniques used to understand, utilize and troubleshoot workplace technology- particularly computer and multimedia technology.
Transfer: CSU.

216 MULTIMEDIA APPLICATIONS FOR THE WEB (2.00)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: LIBT 207
Focus is on the various ways of creating, editing, and presenting multimedia content for use on the web.

217 ETHICS IN THE INFORMATION AGE (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Focuses on ethical and legal issues of information access and publishing as applicable to the Internet. Include a basic knowledge of copyright laws, security and privacy issues, Internet advertising, and the appropriate use of the Internet as an information delivery system.
Transfer: CSU.

218 CONNECTING ADOLESCENTS WITH LITERATURE AND LIBRARIES (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Explores the literature and electronic resources essential for library technicians to work effectively with adolescents in the information age. Issues of materials selection, evaluation and youth programming will be related to teenage trends, popular culture, multiculturalism and other contemporary subjects of importance to adolescents.
Transfer: CSU.

220 FUNDAMENTALS OF CASCADING STYLE SHEETS (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: LIBT 207 or CAOA 269
Introduces the fundamentals of CSS for the Web Page Developer. The essential elements such as selectors, positioning, floating, and vertical alignment, tables, and other topics will be explored.
Transfer: CSU.

247 INDEPENDENT STUDIES: LIBRARY/INFORMATION TECHNOLOGY (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: LIBT 201 and other preparatory course work
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Library/Information Technology (more specialized than is covered in the curriculum) under the direction of an instructor.
Transfer: CSU.

LICENSED VOCATIONAL NURSING [LVN]

101 THEORY I: FUNDAMENTALS, MOTHER/BABY AND ACUTE ADULT (7.00)
7.00 hours per week: (7.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Program admission
Corequisites: LVN 101A and LVN 101AL and LVN 101B
Prepares students to practice vocational nursing. The Caring Framework is used for the study of nursing fundamentals,
nursing process, and standard nursing and medical care for a variety of common disease states. The course compares and contrasts nursing care systems and roles employed in health maintenance, acute illness, surgical care, rehabilitation nursing for adults and elderly, and perinatal nursing. Adapting standard nursing care to meet the needs of the elderly is a focus for the LVN role.

Repetible 1 time(s).

101A SKILLS THEORY I: ADULT, MOTHER/BABY AND MEDICATION ADMINISTRATION (7.00)
7.00 hours per week: (7.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Corequisites: LVN 101 and LVN 101AL and LVN 101B
Apply theory and demonstration of basic nursing skills based on scientific principles: Use legal and LVN Scope to learn safe patient care and nursing skills. Apply relevant steps in the nursing process: assessment, planning, implementing, evaluation and documentation. Application of pharmacology and methods that foster safe medication administration are a major focus. Methods for basic nursing skills and care of the perinatal patient and newborn are introduced.

Repetible 1 time(s).

101AL SKILLS LAB I: BASIC CARE, ADULT, MOTHER/BABY, MEDICATION ADMINISTRATION (2.50)
7.50 hours per week: (7.50 lab hours)
Associate Degree Applicable
Pass/No Pass Only
Corequisites: LVN 101 and LVN 101A and LVN 101B
Provides opportunity for supervised practice of basic nursing skills in a simulated clinical setting. During their practice, students apply relationships between theory concepts and nursing skills relevant to steps in the nursing process: assessment, planning, implementing, evaluations and documentation. Emphasis is placed on meeting critical elements of hands-on skills, practicing and consistent method of medication administration, and practicing documentation with patient interactions. Students demonstrate competent skill performance in a simulated clinical setting.

Repetible 1 time(s).

101B CLINICAL I: MEDICATION ADMINISTRATION, BASIC CARE (5.00)
15.00 hours per week: (15.00 lab hours)
Associate Degree Applicable
Pass/No Pass Only
Corequisites: LVN 101 and LVN 101A and LVN 101AL
Apply fundamental principles of theory and skills courses in the care of patients in long term-care, physical rehabilitation settings. Mental & spiritual health concepts and sociocultural aspects are explored as they apply to individually assigned patients.

Repetible 1 time(s).

102 THEORY II: PERIOPERATIVE, PEDIATRICS, CHRONIC DISEASE (7.00)
7.00 hours per week: (7.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: LVN 101B
Corequisites: LVN 102A and LVN 102AL and LVN 102B
Prepares the licensed vocational student nurse to care for patients and integrate concepts of perioperative nursing, pediatric nursing, chronic disease and dependent care across the lifespan. Concepts fundamentals to the leadership, supervision and delegation roles are presented.

Repetible 1 time(s).

102A SKILLS THEORY II: PERIOPERATIVE, PEDIATRICS, CHRONIC DISEASE (7.00)
7.00 hours per week: (7.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: LVN 101B
Corequisites: LVN 102 and LVN 102AL and LVN 102B
Applies nursing concepts and skills through theory and demonstration to more complex clients based on scientific principles. Concepts from theory include chronic disease, perioperative problems, and pediatric assessment and skills. Planning and implementing patient care is relevant to steps in the nursing process: assessment, planning, implementing, evaluation and documentation.

Repetible 1 time(s).

102AL SKILLS LAB II: PERIOPERATIVE, PEDIATRICS, CHRONIC DISEASE (2.50)
7.50 hours per week: (7.50 lab hours)
Associate Degree Applicable
Pass/No/Pass Only
Prerequisites: LVN 101B
Corequisites: LVN 102 and LVN 102A and LVN 102B
Provide opportunities for supervised practice of specific nursing skills in a simulated clinical setting. During their practice, students apply relationships between theory concepts and nursing skills relevant to steps in the nursing process: assessment, planning, implementing, evaluations and documentation. Emphasis is placed on meeting critical elements of hands-on skills, adhering to a consistent method of medication administration, and practicing documentation and patient interactions for pediatric clients, clients with chronic illness, and dependent care clients. Tools for leadership and supervision are also practiced.

Repetible 1 time(s).

102B CLINICAL II: ADULT ACUTE, MOTHER/BABY, PEDIATRIC CARE (5.00)
15.00 hours per week: (15.00 lab hours)
Associate Degree Applicable
Pass/No Pass Only
Prerequisites: LVN 101B
Corequisites: LVN 102 and LVN 102A and LVN 102AL
Applies concepts and skills learned with integration to the care of the acute adult, the obstetric, neonate, and pediatric client. An emphasis on normal growth and development process in relationship to disease is emphasized. The family as a whole system of interactions for patient teaching and the administration of culturally sensitive care is applied to diverse clinical setting. Application of the critical elements for clinical skills performance.

Repetible 1 time(s).
103 THEORY III: COMMUNITY AND MENTAL HEALTH NURSING  (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: LVN 102B
Corequisites: LVN 103A and LVN 103B
Prepares student in community health and mental health nursing. Also prepares student for NCLEX exam success.
Repeatable 1 time(s).

103A SKILLS THEORY III: COMMUNITY AND MENTAL HEALTH NURSING  (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: LVN 102B
Corequisites: LVN 103 and LVN 103B
Applies nursing concepts through theory and demonstration of advanced vocational nursing skills based on scientific principles. Planning & implementing patient care for patients in the community and psychiatric setting. Emphasis is placed on the unique needs of the mental health and community based patient with multiple health care needs. NCLEX preparedness is also presented.
Repeatable 1 time(s).

103B CLINICAL III: MENTAL HEALTH, TEAM LEADING, PRECEPTORSHIP  (3.00)
16.50 hours per week: (16.50 lab hours)
Associate Degree Applicable
Pass/No Pass Only
Prerequisites: LVN 102B
Corequisites: LVN 103 and LVN 103A
Prepares students to make the transition from student vocational nurse to entry-level practice. The principles learned in co-requisites and previous theory and skills level courses are applied to care of patients in skilled nursing settings. Students are challenged with more complicated patients in a variety of settings, including caring for the patient with mental health priorities. This course also includes a 108 hour preceptorship component at the end of the semester.
Repeatable 1 time(s).

104 BASIC INTRAVENOUS THERAPY, BLOOD ADMINISTRATION, AND PHLEBOTOMY  (1.50)
1.50 hours per week: (1.50 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: LVN 103B or May have current and active LVN license from the Board of Vocational Nursing and Psychiatric Technicians of the State of California.
Corequisites: LVN 104L
Prepares the Licensed Vocational Nurse who has successfully completed LVN 103B or its equivalent to initiate intravenous therapy, phlebotomy, and blood product transfusion. This course prepares the LVN for certification that meets standards of the California State Board of Vocational Nurses and Psychiatric Technicians.

104L BASIC INTRAVENOUS THERAPY, BLOOD ADMINISTRATION, AND PHLEBOTOMY LAB  (0.50)
1.50 hours per week: (1.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: LVN 103B or May have current and active LVN license from the Board of Vocational Nursing and Psychiatric Technicians of the State of California.
Corequisites: LVN 104
Prepares students to perform venipuncture and initiate and monitor administration of IV fluid, blood and blood products, and withdraw venous blood for diagnostic purposes. (Formerly part of LVN 004 as one class)

193 LVN SPECIAL TOPICS  (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

MATHEMATICS [MATH]

003 ARITHMETIC  (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Provides a review of the basic skills of arithmetic. Designed as a transitional course for students who have either not taken a mathematics course for a considerable period of time or who have been in a tutorial program. This course is organized in a regular classroom setting to prepare students for a pre-algebra course.

007 PREALGEBRA  (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Prerequisites: MATH 003
Presents the mathematical concepts and arithmetic skills necessary for success in elementary algebra and for further work in mathematics. The concepts are applied to numerous practical problems in order to demonstrate their applicability to real life situations. Not open to students with credit in MATH 123 or its equivalent or any course for which MATH 123 is the prerequisite.

008 INTRODUCTION TO FACTORING  (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Introduces the student to methods of factoring polynomials. Presents the topic from geometric, numeric and algebraic perspectives. Multi-sensory approaches will include manipulatives and graphing. Students should have proficiency in whole number arithmetic skills, including positives and negatives and knowledge of procedures for solving simple linear equations.

021 TWO-SEMESTER BEGINNING ALGEBRA: PART 1  (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Prerequisites: MATH 007
Presents the first half of a two-semester course in beginning algebra for the student who has no algebraic background.
This course enables students to complete the equivalent of Elementary Algebra, (MATH 123) at a slower pace. Successful completion of MATH 021 or equivalent and MATH 122 is equivalent to MATH 123.

112 CONVERTING MEASUREMENTS        (1.00)  
  1.00 hours per week: (1.00 lecture hours)  
  Associate Degree Applicable  
  Pass/No Pass Only  
Introduces the student to methods of converting from one measurement unit to another. Emphasis will be on basic applications from nutrition, nursing, chemistry, physical sciences and other disciplines.

114 WORD PROBLEMS                    (1.00)  
  1.00 hours per week: (1.00 lecture hours)  
  Associate Degree Applicable  
  Pass/No Pass Only  
This course presents strategies for successfully solving word problems such as distance, mixture, work and others at the elementary and intermediate algebra level. This course is intended to help students with word problems in MATH 123 and MATH 127.

122 TWO-SEMESTER BEGINNING ALGEBRA: PART 2 (5.00)  
  5.00 hours per week: (5.00 lecture hours)  
  Associate Degree Applicable  
  Letter Grade or Pass/No Pass  
  Prerequisites: MATH 021 with a minimum grade of C or better  
Presents the second half of a two-semester course in beginning algebra for the student who has no algebraic background. This course enables the students to complete the equivalent of Elementary Algebra (MATH 123) at a slower pace. Successful completion of MATH 021 or equivalent and MATH 122 is equivalent to MATH 123.

123 ELEMENTARY ALGEBRA               (5.00)  
  5.00 hours per week: (5.00 lecture hours)  
  Associate Degree Applicable  
  Letter Grade or Pass/No Pass  
  Prerequisites: MATH 007  
Presents a first course in algebra for the student without any algebraic background. Topics include solving linear equations and inequalities, solving quadratic equations by factoring, polynomial expressions, factoring, graphing linear equations and inequalities in the variables, solving systems of two linear equations and radical expressions and equations.

126A TWO-SEMESTER INTERMEDIATE ALGEBRA-PART 1 (5.00)  
  5.00 hours per week: (5.00 lecture hours)  
  Associate Degree Applicable  
  Letter Grade or Pass/No Pass  
  Prerequisites: MATH 122 or MATH 123  
Presents the first half of a two-semester course in intermediate algebra. This course enables students to complete the equivalent of Intermediate Algebra (MATH 127) at a slower pace. Topics include factoring polynomial expressions, simplifying rational expressions, absolute value equations and inequalities, functions and relations, and solving systems of linear equations and inequalities.

126B TWO-SEMESTER INTERMEDIATE ALGEBRA-PART 2 (5.00)  
  5.00 hours per week: (5.00 lecture hours)  
  Associate Degree Applicable  
  Letter Grade or Pass/No Pass  
  Prerequisites: MATH 126A  
Presents the second half of a two-semester course in Intermediate Algebra. This course enables students to complete Intermediate Algebra (MATH 127) at a slower pace. Topics include functions and relations, quadratic equations, exponential and logarithmic functions, inverse functions, and sequences and series.

127 INTERMEDIATE ALGEBRA             (5.00)  
  5.00 hours per week: (5.00 lecture hours)  
  Associate Degree Applicable  
  Letter Grade or Pass/No Pass  
  Prerequisites: MATH 123  
Broadens and adds to the concepts of elementary algebra. Such additions include rational expressions, quadratic equations, functions, exponential and logarithmic functions, inverse of functions, solving systems of two or more linear equations, and sequences and series.

128 APPLIED BEGINNING AND INTERMEDIATE ALGEBRA (6.00)  
  6.00 hours per week: (6.00 lecture hours)  
  Associate Degree Applicable  
  Letter Grade or Pass/No Pass  
  Prerequisites: MATH 007 with a minimum grade of C or better  
Accelerated preparation for Introduction to Applied Statistics (Math 236) or College Mathematics for the Humanities (Math 230). Topics include calculations and error analysis on real number data, development of equations, formulas, and functions as mathematical models, exploratory data analysis, introduction to probability, and the development of statistical literacy. This course is designed for students who want an alternative to the Math 123/Math 127 sequence for meeting the math requirement of the Associates degree, or who intend to take Math 236, MATH 232 or Math 230 to meet transfer requirements. Not intended for science, technology, engineering, math, or business majors.

193 MATH SPECIAL TOPIC               (0.50 to 4.00)  
  0.00 hours per week: (0.00 lecture hours)  
  Associate Degree Applicable  
  Letter Grade or Pass/No Pass  
Examines a special topic in the field of study related to the discipline offering this course.

229 TRIGONOMETRY                     (4.00)  
  4.00 hours per week: (4.00 lecture hours)  
  Associate Degree Applicable  
  Letter Grade Only  
  Prerequisites: MATH 127 or MATH 126B and geometry or equivalent courses with a grade of C or better  
  Advisories: MATH 242  
Presents trigonometry from a function approach using both right triangle and circular relationships. The relationships between the angles and sides of triangles and relationships between central angles and the coordinates of points on a circle are developed. The course is designed to prepare the
student for further study in the mathematics required in the sciences and technical areas.

Transfer: CSU.

230 **COLLEGE MATHEMATICS FOR THE HUMANITIES**  
(3.00)  
3.00 hours per week: (3.00 lecture hours)  
Associate Degree Applicable  
Letter Grade Only  
Prerequisites: MATH 127  

Presents applications of intermediate algebra and critical thinking to solving contemporary problems in mathematics. Topics include mathematical reasoning with four additional topics selected from number systems, number theory, finance, computer applications, probability, statistics and mathematical modeling.  
Transfer: CSU; UC.

231 **TRIGONOMETRY WITH GEOMETRIC FOUNDATIONS**  
(5.00)  
5.00 hours per week: (5.00 lecture hours)  
Associate Degree Applicable  
Letter Grade Only  
Prerequisites: MATH 127  

Presents the entire content of MATH 229 Trigonometry with topics from geometry. Topics include trigonometric functions, equations, graphs, identities, and solution of triangles. Also includes geometric congruence, properties of polygons, parallel lines, similarity, areas, and volumes.  
Transfer: CSU; UC.

232 **COLLEGE ALGEBRA**  
(3.00)  
3.00 hours per week: (3.00 lecture hours, 0.00 lab hours)  
Associate Degree Applicable  
Letter Grade Only  
Prerequisites: MATH 127 or MATH 126B or equivalent with a grade of C or better  

Presents a study of college algebra and analytic geometry with an emphasis on mathematical modeling. Covers such topics as algebraic equations and inequalities, functions and graphs, zeros of functions rational functions, exponential and logarithmic functions, parametric equations, conic sections, systems of equations and inequalities, matrices, determinants, sequences and series, and probability. The course is designed to prepare the student for calculus.  
Transfer: CSU; UC (For UC, maximum credit of one course between MATH 232 and MATH 242).

247 **INTRODUCTION TO STATISTICS**  
(4.00)  
4.00 hours per week: (4.00 lecture hours)  
Associate Degree Applicable  
Letter Grade Only  
Prerequisites: MATH 127  

Presents a study of basic descriptive and inferential statistics designed to prepare students for work in the fields of economics, business, psychology, education, mathematics and applied science.  
Transfer: CSU; UC (For UC, 4 credit maximum between MATH 236 and 247).

255 **CALCULUS FOR BUSINESS AND MANAGEMENT**  
(3.00)  
3.00 hours per week: (3.00 lecture hours)  
Associate Degree Applicable  
Letter Grade Only  
Prerequisites: MATH 242 with a minimum grade of C or better  

Presents a study of the techniques of calculus with emphasis placed on the application of these concepts to business and management related problems. The applications of derivatives and integrals of functions including polynomials, rational, exponential and logarithmic functions are studied.  
Transfer: CSU; UC (For UC, maximum credit of one course between MATH 255 and 265A).

265A **CALCULUS I**  
(5.00)  
5.00 hours per week: (5.00 lecture hours)  
Associate Degree Applicable  
Letter Grade Only  
Prerequisites: MATH 229 or MATH 231 and MATH 242  

Presents a study of analytic geometry, limits, continuity, the calculus of algebraic, trigonometric, exponential and logarithmic functions as well as applications of the derivative and integral. Every topic will be taught geometrically, numerically, and algebraically.  
Transfer: CSU; UC (For UC, maximum credit of one course between MATH 255 and 265A).

265B **CALCULUS II**  
(5.00)  
5.00 hours per week: (5.00 lecture hours)  
Associate Degree Applicable  
Letter Grade Only  
Prerequisites: MATH 265A  

Presents a continuing study on integration, some first and second order differential equations, infinite sequences and series, Taylor series, parameterized curves, polar curves, vectors, and their applications. Every topic will be taught geometrically, numerically and algebraically.  
Transfer: CSU; UC.
283 CALCULUS III: MULTIVARIABLE CALCULUS  (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: MATH 265B
Presents a study of vectors, differentiation and integration of multiple variable functions, parametric curves in two and three dimensions, optimization, line integrals, and the calculus of vector fields. Specific topics include vector functions, partial derivatives, surfaces, parametric equations, multiple integrals (with rectangular, polar, cylindrical, and spherical coordinates), and vector calculus (including line integrals, flux integrals, Greens Theorem, the Divergence Theorem, and Stokes Theorem). Every topic will be taught geometrically, numerically, and algebraically.
Transfer: CSU; UC.

287 LINEAR ANALYSIS  (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: MATH 265B
Presents a study of separable and linear ordinary differential equations with selected applications; numerical and analytical solutions; second order differential equations; Laplace transforms. Delves into Linear Algebra with a study of vectors in n-space, matrices, linear transformations, eigenvalues, eigenvectors, diagonalization; applies linear algebra in the study of systems of linear differential equation.
Transfer: CSU; UC.

MEDICAL ASSISTING [MAST]

109 PHLEBOTOMY  (2.50)
2.78 hours per week: (2.78 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Student must be 18 years of age by the first class meeting. Proof of high school or equivalent education.
Corequisites: MAST 109L and Health Care Provider CPR
Advisories: NRAD 222
Designed to prepare the student in essential blood specimen collecting skills to fulfill CA State phlebotomy certificate requirements. Student is required to bring a valid CA driver’s license or CA photo ID card to the first class meeting to show proof of age. Must be 18 years or older to be certified.
Repeatable 1 time(s).

109L PHLEBOTOMY EXTERNSHIP  (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Pass/No Pass Only
Prerequisites: Student must be 18 years of age by the first class meeting.
Corequisites: MAST 109
Advisories: NRAD 222
Provide students the opportunity of an externship to apply knowledge and skills to an acute and/or ambulatory care laboratory setting.
Repeatable 1 time(s).

110 MEDICAL ASSISTING BASICS  (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Introduces the medical assisting role and responsibilities, professionalism, and medical terminology. Concepts of anatomy, physiology, and computer basics are presented to facilitate entry level medical assisting practice.

111 MEDICAL ASSISTING FAST TRACK  (11.00)
11.33 hours per week: (11.33 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: MAST 110 with a minimum grade of C or better or Concurrent enrollment in MAST 110; Student must be 18 years of age by the first class meeting
Corequisites: MAST 111L and Current Health Care Provider CPR and Standard First Aid
Advisories: NRAD 222
Prepares the student for entry level employment as a medical assistant and eligibility for approved state or national certification exam. Must be 18 years or older to be certified.

111L MEDICAL ASSISTING FAST TRACK LAB  (1.00)
3.78 hours per week: (3.78 lab hours)
Associate Degree Applicable
Pass/No Pass Only
Prerequisites: Student must be 18 yrs of age by the first class meeting.
Corequisites: MAST 111 and Current Health Care Provider CPR and Standard First Aid
Provides the opportunity to apply theory during skills lab practice and externship. Placement in a community front and back office site helps the student perform various skills, communications techniques and professionalism under the direction of a preceptor. This experience provides marketability for employment as a medical assistant and eligibility for approved state or national certification exam. Must be 18 years or older to be certified.

193 MEDICAL ASSISTING SPECIAL TOPIC  (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

METEOROLOGY [METE]

212 INTRODUCTION TO METEOROLOGY  (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: MATH 123 or equivalent
Advisories: ENGL 156
Introduces the fundamentals of meteorology, including the nature and origin of the atmosphere. Topics include atmospheric circulation, humidity, cloud formation, precipitation, storm growth, cyclone development, climates of the earth, and global climate change.
Transfer: CSU; UC.
### 193 MUSIC SPECIAL TOPIC

| Credits: 0.50 to 4.00 | Hours per week: (0.00 to 4.00) | Associate Degree Applicable | Letter Grade or Pass/No Pass |

Examines a special topic in the field of study related to the discipline offering this course.

### 193E CHORAL ENSEMBLE TOUR

| Credits: 3.00 | Hours per week: (9.00) | Associate Degree Applicable | Letter Grade or Pass/No Pass |

Studies, rehearses, and performs jazz and vocal chamber literature of French and American cultures. Nine performances in France, and two local performances (pre-tour and post-tour) will be a large part of the class.

### 201 FUNDAMENTALS OF MUSIC (MUSIC THEORY I)

*Formerly MUS 239*

| Credits: 3.00 | Hours per week: (3.00) | Associate Degree Applicable | Letter Grade or Pass/No Pass |

Advisories: No previous musical experience necessary

Provides an introduction and builds a foundation to the notation and primary elements of tonal music. Incorporates the following concepts: staff notation in treble and bass clefs, rhythm and meter; basic properties of sound; intervals; diatonic scales and triads; and diatonic chords.

Transfer: CSU; UC.

### 204A MUSIC THEORY II

| Credits: 3.00 | Hours per week: (2.50) | Associate Degree Applicable | Letter Grade Only |

Prerequisites: MUS 201 or placement test

Corequisites: MUS 205A

Advisories: Keyboard skills or Piano class.

Incorporates the concepts from Music Fundamentals (Music Theory I) and continues the four semester program. Some students with prior music training may be able to test into this course. Through guided composition and analysis, the course will include: an introduction to two-part counterpoint; voice leading involving four-part chorale writing; diatonic harmony; and an introduction to secondary/applied chords and modulation.

Transfer: CSU; UC.

### 204B MUSIC THEORY III

| Credits: 3.00 | Hours per week: (2.50) | Associate Degree Applicable | Letter Grade Only |

Prerequisites: MUS 204A

Corequisites: MUS 205B

Applies and develops the rhythmic, melodic, and harmonic materials of Music Theory II through ear training, sight singing, analysis, and dictation.

Transfer: CSU; UC.

### 204C MUSIC THEORY IV

| Credits: 3.00 | Hours per week: (2.50) | Associate Degree Applicable | Letter Grade Only |

Prerequisites: MUS 204B

Corequisites: MUS 205C

Applies and develops the rhythmic, melodic, and harmonic materials of Music Theory III through ear training, sight singing, analysis, and dictation.

Transfer: CSU; UC.

### 212 APPLIED MUSIC (PRIVATE LESSONS)

| Credits: 2.00 | Hours per week: (7.00) | Associate Degree Applicable | Letter Grade Only |

Corequisites: One of the following: MUS 201 or MUS 204A and 205A or MUS 204B and 205B or MUS 204C and 205C AND one of the following: MUS 223 or MUS 225 or MUS 227 or MUS 228 or MUS 229 or MUS 231 or MUS 245

Consists of individualized study of the appropriate techniques and repertoire for the specific instrument or voice being studied. The emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. The student is required to practice on campus a minimum of five hours per week, and to enroll and participate in a large performing music ensemble. Applied lessons are available in voice, piano, strings, guitar, woodwinds, brass, and percussion.

Transfer: 3 time(s).
220  **ELEMENTARY VOICE**  (2.00)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Presents a study of the techniques of voice training for solo singing. Music will range through appropriate song repertoire and selections from musicals. Class performance required.
Transfer: CSU; UC.

222  **INTERMEDIATE VOICE**  (2.00)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisite: MUS 220 or equivalent or audition and/or consent of instructor.
Provides an opportunity for students to continue with advanced study of singing and preparation of song repertoire on an individual basis. Public performance required.
Transfer: CSU; UC.

223  **VOCAL JAZZ ENSEMBLE**  (2.00 to 3.00)
6.00 - 9.00 hours per week: (0.00 lecture hours, 6.00 - 9.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Audition or consent of instructor.
Advisories: MUS 228 or MUS 229
Presents the study and performance of literature in the vocal jazz and popular music genre with emphasis upon vocal improvisation in the jazz and scat style. Student compositions and arrangements will be encouraged. Attendance at scheduled performances is required.
Repeatable 3 time(s).
Transfer: CSU; UC.

224  **VOCAL JAZZ WORKSHOP**  (2.00)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Audition or consent of instructor.
Practice and study vocal jazz literature and techniques. Introduce vocal jazz improvisation and vocal jazz harmonies.
Transfer: CSU; UC.

225  **WIND ENSEMBLE**  (2.00)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Audition or consent of director.
Studies, rehearses, and performs of wind band literature, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Choice of ensemble is based on each student's identified major instrument. Limited to those students who have had experience with wind and percussion instruments.
Repeatable 3 time(s).
Transfer: CSU; UC.

227  **CHAMBER MUSIC ENSEMBLE**  (1.00 to 3.00)
3.00 - 9.00 hours per week: (3.00 - 9.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Audition or consent of instructor.
Studies, rehearsals, and performs chamber music (small ensemble) literature, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester.
Repeatable 3 time(s).
Transfer: CSU; UC.

228  **MIXED CHORUS**  (1.00 to 3.00)
3.00 - 9.00 hours per week: (3.00 - 9.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Audition or consent of instructor.
Advisories: Knowledge of music notation
Presents the study and performance of appropriate choral literature selected from the wide variety of historic eras and musical styles from the 16th Century to the present. Public performance required.
Repeatable 3 time(s).
Transfer: CSU; UC.

229  **CHAMBER SINGERS**  (2.00)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Audition or consent of instructor.
Advisories: Previous choral experience
Studies, rehearses, and public performs madrigals and vocal chamber literature of all cultures and time periods. Frequent performances on and off campus will be a large part of the class with different music each semester.
Repeatable 3 time(s).
Transfer: CSU; UC.

231  **JAZZ ENSEMBLE (BIG BAND)**  (1.50 to 3.00)
2.50 - 5.00 hours per week: (1.00 - 2.00 lecture hours, 1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Ability to play an instrument and sight read. Audition or consent of instructor.
Provides for study, rehearsal, and public performance of big band literature. This course has an emphasis on the development of skills needed to perform this music in an ensemble. Attendance at scheduled performances is required.
Repeatable 3 time(s).
Transfer: CSU; UC.

232  **BEGINNING JAZZ IMPROVISATION**  (2.00)
3.00 hours per week: (1.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: MUS 201
Introduces students to the skills and principles of Jazz Improvisation. Includes a basic study of scales, chords and the transcription process
Transfer: CSU.

233  **JAZZ IMPROVISATION**  (2.00)
3.00 hours per week: (2.00 lecture hours, 1.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: Completion of MUS 201 or equivalent and concurrent enrollment in MUS 227

Provides an opportunity for analysis and practice of jazz improvisation. Includes study of scales, chords and the transcription process.

Transfer: CSU; UC.

234 ARRANGING, SCORING, AND ORCHESTRATION (2.00)

2.00 hours per week: (2.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Prerequisite: MUS 204B or equivalent and knowledge of jazz literature, styles and basic piano skills.
Advisory: Concurrent enrollment in MUS 223, MUS 225, MUS 227, MUS 228, MUS 229, MUS 231, or MUS 232A.

Provides an opportunity for composing, arranging and orchestrating for jazz ensembles and orchestras. Focuses on the analysis of jazz and classical harmonic practices, relation of contemporary melodic and rhythmic concepts to instrumentation.

Transfer: CSU; UC.

235 MUSIC APPRECIATION: CLASSICAL MUSIC (3.00)

3.00 hours per week: (3.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Advisories: ENGL 156

Surveys classical art music in western civilization. Topics studied include but are not limited to elements of music, basic musical forms, music periods, styles, and the role of music and musicians in the western world.

Transfer: CSU; UC.

237 MUSIC APPRECIATION: AMERICAN POPULAR MUSIC (3.00)

3.00 hours per week: (3.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Advisories: ENGL 156

Introduces the non-music major to the history and literature of the popular music movement in the United States. Emphasizes musical styles and personalities from the late forties to the present.

Transfer: CSU; UC.

238 MUSIC APPRECIATION: JAZZ HISTORY (3.00)

3.00 hours per week: (3.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Advisories: ENGL 156

Introduces the history and literature of jazz music in the United States. Emphasizes the styles and musical personalities involved from 1900 to the present. Designed for the non-music major.

Transfer: CSU; UC.

240 RECORDING ARTS I: FUNDAMENTALS OF AUDIO TECHNOLOGY (3.00)

3.00 hours per week: (3.00 lecture hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Advisories: MUS 201 with a minimum grade of C or better

Introduction to audio technology, including sound characteristics, signal flow, basic recording console functions, microphone types and techniques, signal processing, and mixing techniques.

Transfer: CSU.

241 RECORDING ARTS II: STUDIO WORKSHOP (3.00)

4.00 hours per week: (3.00 lecture hours, 1.00 lab hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Prerequisites: MUS 240

Provides the student with an in-depth introduction to audio equipment and techniques. Topics include basic studio procedures, equipment design and proper use of multitrack techniques using the Dididesign Pro Tools HD System and D-Command Console.

Transfer: CSU.

244A BEGINNING SMALL GROUP JAZZ PEDAGOGY PRACTICUM (1.00)

3.00 hours per week: (3.00 lab hours)

Associate Degree Applicable
Letter Grade Only

Prerequisites: MUS 245

Gives students a chance to develop rehearsal and teaching skills under the guidance of a master teacher in the small group jazz setting. Each student will be required to lead rehearsals and develop a notebook of rehearsal techniques.

Transfer: CSU.

244B ADVANCED SMALL GROUP JAZZ PRACTICUM (1.00)

3.00 hours per week: (3.00 lab hours)

Associate Degree Applicable
Letter Grade Only

Prerequisites: MUS 245

Gives students a chance to develop rehearsal and teaching skills under the guidance of a master teacher and experience leadership in the small group jazz setting. Each student will be required to lead rehearsals and develop a notebook of rehearsal techniques.

Transfer: CSU.

245 JAZZ WORKSHOP (2.00)

4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Prerequisites: Audition or consent of instructor.

Advisories: Ability to play an instrument

Performs music for small jazz ensembles, with an emphasis on the development of skills needed to publicly perform this music. The class is divided into different groups all playing different literature each semester. Stresses stylistic interpretation and ensemble playing.

Repeatable 3 times.

Transfer: CSU.

247 INDEPENDENT STUDIES: MUSIC (0.50 to 2.00)

1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)

Associate Degree Applicable
Letter Grade or Pass/No Pass

Prerequisite: Audition and/or consent of instructor

Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of music under the direction of an instructor.

Transfer: CSU.
258 ELEMENTARY PIANO (2.00)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Introduces the student to practical keyboard facility, sight reading, harmony and performance of elementary piano repertoire. Required for music majors.
Transfer: CSU; UC.

259 INTERMEDIATE PIANO (1.00 to 2.00)
2.00 - 4.00 hours per week: (0.50 - 1.00 lecture hours, 1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: MUS 258 or equivalent or audition and consent of the instructor.
The study and performance of concert piano literature from Baroque, Classic, Romantic, and 20th Century time periods. The student will develop and improve pianistic skills and repertoire.
Transfer: CSU; UC.

266 CHORAL MUSIC 1: MUSIC OF THE MASTERS (2.00)
4.00 hours per week: (1.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Audition for placement and consent of the instructor.
Study and performance of major historical choral works with emphasis on master composers. These include, but are not limited to, J.S. Bach, W.A. Mozart, Joseph Haydn, Felix Mendelssohn, Johannes Brahms, Ludwig van Beethoven, Giuseppe Verdi, Benjamin Britten, and Igor Stravinsky. Students will develop and improve choral music techniques through rehearsing great choral works. Auditions will be scheduled at the beginning of each semester. May be taken four semesters for credit.
Transfer: CSU; UC.

270 ELEMENTARY GUITAR (2.00)
3.00 hours per week: (1.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Audition for placement and consent of the instructor.
Introduces the techniques of playing the guitar. Topics include reading music, flat picking and finger picking, chords, and the playing of melodies. No previous musical experience is required. Students must provide their own acoustic or electric guitar.
Transfer: CSU; UC.

NURSING ASSISTANT [NAST]

148 NURSING ASSISTANT (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Corequisites: NAST 148L
Advisories: ENGL 156
Presents theory necessary for basic nursing care. Upon completion of this course, students are eligible to take the National Nurse Assistant Training and Assessment Program Test (NNAAP). Based on state background clearance and success on the NNAAP, students will obtain a certificate as a Certified Nurse Assistant in the state of California.
Repeatable 3 time(s).

148L NURSING ASSISTANT LAB (2.00)
6.00 hours per week: (6.00 lab hours)
Associate Degree Applicable
Pass/No Pass Only
Corequisites: NAST 148
Prerequisites: NAST 148
Presents skills necessary for basic nursing care. Requires supervised clinical experiences in a skilled nursing facility. Must be able to lift 50#. Upon completion of this course, students are eligible to take the National Nurse Assistant Training and Assessment Program Test (NNAAP). Based on state background clearance and success on the NNAAP, students will obtain a certificate as a Certified Nurse Assistant in the state of California.
Repeatable 3 time(s).

193 NURSING ASSISTANT SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

NURSING REGISTERED ASSOC. DEG. [NRAD]

004E NCLEX PREPARATION (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Non-Applicable
Pass/No Pass Only
Corequisites: NRAD 204B
Prerequisites: NRAD 204B
This course is to help prepare the RN student for the state licensing exam. Critical thinking strategies required to answer the NCLEX questions are presented. A portion of this class will be hands-on computer testing to simulate the state board testing format.

103H THIRD SEMESTER NURSING READINESS (0.50)
0.50 hours per week: (0.50 lecture hours)
Associate Degree Applicable
Pass/No Pass only
Corequisites: NRAD 203A
A course designed for registered nursing students entering the third semester. Nursing concepts necessary for success in the third semester are reviewed.

120 SUPPLEMENTARY NURSING SKILLS PRACTICE (0.50 to 3.00)
1.50 - 9.00 hours per week: (1.50 - 9.00 lab hours)
Associate Degree Applicable
Pass/No Pass Only
Corequisites: Enrollment in the nursing program
Provides the opportunity to practice nursing skills in a caring environment. Nursing skills will vary from the simple to the complex. Allows for demonstration and assessment of nursing skills and knowledge learned in nursing lecture and laboratory courses. Practice opportunities vary from highly structured to less structured simulated clinical situations.
Note: 0.5 unit required in first, second, and third semester.

Repeatable 3 time(s).

193 NURSING SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Examines a special topic in the field of study related to the discipline offering this course.

201 FOUNDATIONS OF NURSING/CARING (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 201A

Introduces caring theory as the essence of nursing. Foundational concepts include communication, teaching/learning, nursing process, life-span. Self-care and academic success principles are introduced. Surveys historical, social, legal, economic and ethical aspects of nursing, emphasizing critical thinking, patient advocacy and caring in a multicultural society.

Transfer: CSU.

201A NURSE CARING CONCEPTS (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Admittance into the registered nursing program
Corequisites: NRAD 201B

Applies the foundational caring concepts of communication, teaching, learning, nursing process, caring, energy and life span as a structure for nursing practice. Provides a foundation for health promotion in a multicultural society. Introduces independent learning modules.

Transfer: CSU.

201B NURSE CARING PRACTICUM I (5.00)
11.00 hours per week: (2.00 lecture hours, 9.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Admission to the registered nursing program and Current Health Care Provider CPR card is required
Corequisites: NRAD 201D

Applies nursing concepts to the practice of nursing. Presents related nursing procedures. Provides opportunities for student practice of procedures. Provides skill practice in lab setting for the student to perform nursing care for adults and geriatric clients through structured experiences in long-term care settings and acute care hospital settings. Student will identify personal biases as they relate to the provision of culturally sensitive nursing care. Application of nursing process and cultural concepts to individual nursing care.

Transfer: CSU.

201D DECISION MAKING DATA I (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: Admittance into the registered nursing program
Corequisites: NRAD 201A

Presents fundamental concepts and nursing care problems related to pharmacology, nutrition, fluid and electrolyte balance, diagnostic testing, and acute pain for the adult and geriatric client. Introduces math calculations for medication administration. Explores application of nursing process to nursing care problems. Cultural concepts pertinent to nursing care are presented.

Transfer: CSU.

202A NURSE CARING FAMILY CONCEPTS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: NRAD 201B and/or admission to the nursing program
Corequisites: NRAD 202B

Continues the study of caring concepts in greater depth and complexity. Teaches nursing care of the childbearing family, children and young through middle adulthood. Introduces family considerations in establishing short-term and long-term goals for health promotion. Continues focus on the individual assuming responsibility for health promotion and learning. Emphasizes planning, implementation and evaluation of nursing process in a multicultural society.

Transfer: CSU.

202B NURSE CARING PRACTICUM II (8.00)
20.00 hours per week: (2.00 lecture hours, 18.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: NRAD 201B and/or Admission to the nursing program and Current Health Care Provider CPR card is required
Corequisites: NRAD 202D

Applies nurse caring concepts to the clinical practice of nursing in a wide variety of health care settings. Presents related nurse caring skills. Provides opportunity to deliver relevant nursing care for maternity clients, infants, children, and young/middle-aged adults in structured clinical practice in a way that is culturally competent.

Transfer: CSU.

202D DECISION MAKING DATA II (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: NRAD 201B and/or Admission to the nursing program
Corequisites: NRAD 202A

Builds on fundamental concepts related to pharmacology, nutrition, diagnostic testing across the life span. Emphasis is placed on the role of the nurse in client education. Cultural concepts pertinent to nursing care problems are presented.

Transfer: CSU.

203 NURSING TRANSITIONS (1.00)
0.89 hours per week: (0.89 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: 30 Unit Option Program Admission
Corequisites: NRAD 203A

Introduces caring theory as the essence of nursing. Surveys legal and ethical aspects of nursing, emphasizing critical
thinking, patient advocacy and caring in a multicultural society. Provides an 8-week transition course required for 30 unit option students.

Transfer: CSU.

203A NURSE CARING CONCEPTS III (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: NRAD 202D and/or admission to the nursing program
Corequisites: NRAD 203B
Applies nurse caring concepts to care of child, adult, and elderly clients with goal setting, energy, and caring problems. Includes cultural diversity and ethnic considerations, men and women’s health, musculoskeletal, nutrition and elimination, degenerative nervous system, liver, skin, acute oxygenation, hematologic, and vascular problems. Emphasizes nursing intervention.

Transfer: CSU.

203B NURSE CARING PRACTICUM III (5.00)
11.00 hours per week: (2.00 lecture hours, 9.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: NRAD 202D and/or admission to the nursing program and Current Health Care Provider CPR card is required
Corequisites: NRAD 203D
Applies nurse caring concepts to the clinical practice of nursing in a variety of health care settings. Presents advanced nursing skills. Provides opportunity to implement culturally relevant nursing care to clients with varied health problems in a various clinical settings.

Transfer: CSU.

203D NURSE CARING FOR MEDICAL-SURGICAL CLIENTS (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: NRAD 202D and/or admission to the nursing program
Corequisites: NRAD 203A
Applies nursing interventions of prevention, maintenance, restoration and caring to a variety of health problems: neurologic, genito-urinary, renal, endocrine. Content is related to pathophysiology, life span, barriers to goal-setting, nursing process and teaching/learning. Emphasis is also placed on the impact that this situational crisis has on the client and families ability to cope.

Transfer: CSU.

204 NURSE LEADERSHIP/MANAGEMENT (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: NRAD 203D and/or admission to the nursing program
Corequisites: NRAD 204A
Continues to develop leadership and management content at the Associate Degree level as required for beginning practice. Includes the management process, assertion skills, organizational skills, decision making, and change theory.

Transfer: CSU.

204A NURSE CARING CONCEPTS FOR CLIENTS PSYCHIATRICALLY AT RISK (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: NRAD 203D and/or admission to the nursing program
Corequisites: NRAD 204B
Applies nurse caring concepts to planning nursing care for clients at risk from mental illness, dysfunction and crisis. Presents assessment techniques, nursing diagnoses and specific nursing interventions.

Transfer: CSU.

204B NURSE CARING FOR PEOPLE AT RISK PRACTICUM (6.00)
18.00 hours per week: (18.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: NRAD 203D and/or admission to the nursing program and Current Health Care Provider CPR card is required
Corequisites: NRAD 204D
Applies culturally sensitive nursing care for people at risk in health care settings, which are varied and more complex. Provides client care experiences in a less structured environment and with increasing independence. Includes preceptorship experience, which covers a designated period of time and a variety of clients across the life span in a variety of settings.

Transfer: CSU.

204D NURSE CARING FOR PEOPLE AT RISK CONCEPTS (2.00)
2.00 hours per week: (2.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: NRAD 203D and/or admission to the nursing program
Corequisites: NRAD 204
Applies nurse caring concepts to clients at risk. Emphasizes the nursing process as a framework for critical thinking for moderate to complex client situations. Introduces the critical care environment and establishment of priorities for clients in crisis. Emphasis is on clients with cardiovascular problems. Coping strategies, life style changes to promote health, and culturally relevant care are presented.

Transfer: CSU.

219 BEGINNING STUDENT INTERNSHIP (1.00 to 3.00)
3.00 - 9.00 hours per week: (3.00 - 9.00 lab hours)
Associate Degree Applicable
Pass/No Pass Only
Prerequisites: NRAD 202B
Provides the opportunity to practice selected nursing skills learned during the first year of Associate Degree Nursing course work under the supervision of a preceptor. Offers work experience in a participating agency.
Repeatable 2 time(s).
Transfer: CSU.
222 MEDICAL TERMINOLOGY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 156
Introduces medical terminology for body structure, body systems, and diagnostic work. Prefixes, suffixes and combined root forms are used to identify medical terms.
Repeatable 1 time(s).
Transfer: CSU.

222 CULTURAL ASPECTS OF FOOD (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: NUTR 210
Examines the impact of stereotypes, stigmas, and discrimination on the health of non-dominant ethnic/racial and select minority groups (women, children and religious) based on their heritage consistent food patterns and preferences. Various socio-political, industrial, environmental, communication styles, and psychological factors influencing assimilation and acculturation will be analyzed to promote prejudice reduction and understanding of the meaning of food to cultures around the world. Non-traditional and/or experiential teaching/learning strategies may be used to evaluate nutritional excesses as well as deficiencies across the life span.
Transfer: CSU.

NUTRITION [NUTR]

193 NUTRITION SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Letter Grade or Pass/No Pass
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

210 NUTRITION (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Examines nutritional needs throughout the life cycle including the interpretation of the chemical composition of food as applied to the utilization of nutrients in the body.
Transfer: CSU; UC.

211 INTRODUCTION TO NUTRITION FOR HEALTH PROFESSIONALS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
This course is designed for current or prospective members of health professions such as nurses, physicians, physician assistants, dietitians, dentists, dental hygienists, physical therapists and occupational therapists. Studies the nutritional needs of the human life cycle. Examines the biological function and chemical classification of nutrients. Relates nutrition concepts to health and disease.
Transfer: CSU.

213 FOOD SAFETY AND SANITATION (1.00)
(Formerly CUL 213)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines the principles of hygiene and sanitation and their application to food service operations. Emphasis is placed on the implementation of proper methods and procedures and the food handlers responsibility in maintaining high sanitation and safety standards.
Transfer: CSU.

218 MATERNAL & CHILD NUTRITION (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines the nutritional requirements of the pregnant woman, developing fetus, infant, toddler and child.
Transfer: CSU.

224 GERONTOLOGICAL NUTRITION (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156 and NUTR 210
Introduces the basic nutrition concepts and theories that impact the nutritional status of older persons. Emphasis is placed on the physiologic changes of aging and the effect on nutrition status; the factors that influence nutrient intakes and what diet and/or exercise changes may correct nutrition deficiencies and/or stabilize chronic diseases.
Transfer: CSU.

230 NUTRITION FOR FITNESS AND SPORT (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156 and NUTR 210
Presents a specialized course relating nutrition to physical performance and fitness. Explores current trends, controversies, and professional publications. Provides opportunity to analyze various dietary recommendations and relate them to specific physical needs.
Transfer: CSU.

232 FUNDAMENTALS OF FOOD (2.50)
(Formerly CUL 210)
5.00 hours per week: (1.25 lecture hours, 3.75 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Introduces the student to the culinary arts profession and the professional kitchen. Emphasis on basic cooking methods, equipment use, and ingredients provides the student with a beginning understanding of food chemistry and cooking techniques. The course includes “hands-on” experience managing the dining room and kitchen in the production of stocks, broths, sauces, gravies, soups, and breakfast cookery.
Transfer: CSU.

247 INDEPENDENT STUDIES: NUTRITION (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Provides an opportunity for an in-depth study or a practical experience by an individual student in a selected topic of nutrition under the direction of an instructor.
Transfer: CSU.

**OCEANOGRAPHY [OCEN]**

210 **OCEANOGRAPHY** (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: MATH 123
Advisories: ENGL 156

An introductory course designed to acquaint the student with general oceanography. Topics treated include the history and scope of oceanography, properties of sea water, ocean currents, ocean waves and tides, submarine morphology and geology, marine sediments, life in the sea, and the significance of the oceans to local and global environments.
Transfer: CSU; UC.

210L **OCEANOGRAPHY LABORATORY** (1.00)
3.00 hours per week: (3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: Completion of or concurrent enrollment in OCEN 210

Laboratory and field investigations of marine environments, including geologic, physical, chemical, and biological aspects of the ocean and coastal area. The course emphasizes changing physical factors and human activities as they affect the oceans.
Transfer: CSU; UC.

247 **INDEPENDENT STUDIES: OCEANOGRAPHY** (0.50 to 4.00)
0.80 - 6.00 hours per week: (0.80 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Provides an opportunity for an in-depth study or a practical experience by an individual student in a selected topic of Oceanography under the direction of an instructor.
Transfer: CSU.

205 **ADAPTED FITNESS: WEIGHT TRAINING** (0.50 to 1.00)
1.50 - 3.00 hours per week: (1.50 - 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Provides an individualized fitness program for students with a disability using resistive exercises and equipment. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised.
Repeatable 3 time(s).
Transfer: CSU; UC (UC credit limit of 4 semester credits in PEAD, KINA and ATHL courses).

**PARALEGAL [PLGL]**

131 **CURRENT ETHICAL ISSUES FOR PARALEGALS** (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Examines current ethical issues for paralegals using case law and examples of lawyer and paralegal misconduct.

147 **INDEPENDENT STUDIES: PARALEGAL** (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Provides an opportunity for an in-depth study or a practical experience by an individual student in a selected topic of Paralegal under the direction of an instructor.

193 **PARALEGAL SPECIAL TOPIC** (0.50 to 4.00)
0.00 - 0.00 hours per week: (0.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass

Examines a special topic in the field of study related to the discipline offering this course.

201 **INTRODUCTION TO PARALEGAL STUDIES** (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156

Introduces the professional responsibilities of the paralegal, including rules regarding ethical conduct and a basic overview of the legal system and research. Covers different law office management functions commonly performed by paralegals such as basic correspondence, billing and financial management, calendar and docket control management, file and record management, and library management.
Transfer: CSU.

203 **PARALEGAL INTERNSHIP** (3.00)
8.00 hours per week: (0.50 lecture hours, 7.50 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: PLGL 220, PLGL 201, PLGL 205

Provides students an opportunity to experience the responsibilities of an employee in a legal setting related to their courses in paralegal studies.
Transfer: CSU.

205 **CIVIL PROCEDURE and LITIGATION** (4.00)
5.00 hours per week: (3.50 lecture hours, 1.50 lab hours)
206 BUSINESS ORGANIZATIONS (3.00)
(Formerly LGL 206)
4.00 hours per week: (2.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces the student to the substantive law and procedural aspects of business organizations, including sole proprietorships, partner ships, limited liability companies, and corporations. Includes a study of the relative advantages and disadvantages of the different business organizations as related to formation, management, liability, dissolution, regulation, and taxation. Also includes an overview of such related areas as agency law, employment law, and business ethics.
Transfer: CSU.

207 FAMILY LAW (3.00)
(Formerly LGL 207)
4.00 hours per week: (2.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces the fundamental principles of California Family Law along with the terminology, procedures, and legal document and form preparation involved in family law matters. Topics include an overview of California law regarding marriage versus domestic partnerships, principles of community property law, marital and cohabitation agreements, legal separations, marital and domestic partnership dissolutions, annulments, spousal and domestic partner support, child custody and support, paternity, adoption, and domestic violence.
Transfer: CSU.

208 ESTATE PLANNING AND ADMINISTRATION (3.00)
(Formerly LGL 208)
4.00 hours per week: (2.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces the fundamental principles of estate planning and administration along with the terminology, procedures, and legal document and form preparation involved in estate planning and administration matters. Topics cover aspects of estate planning including the preparation of wills, trusts, and related documents along with aspects of estate administration including probate proceedings and estate disposition outside of probate.
Transfer: CSU.

209 TECHNOLOGY IN THE LAW OFFICE (3.00)
4.00 hours per week: (2.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: CIS 210
Introduces the student to the use of technology by paralegals in the law office. Includes an overview of technology in the law office and the ethical issues raised by the use of such technology. Covers computer applications in the law office including word processing and document assembly, spreadsheets, database management, law office management, case management and litigation support as well as electronic discovery. Also covers computer assisted legal research including CD-ROM and internet legal and factual research.
Transfer: CSU.

220 LEGAL RESEARCH AND WRITING (3.00)
(Formerly LGL 220)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
An introduction to the fundamental aspects of legal research by an in-depth analysis of case law, statutory law, and administrative law on both a federal and state level. Students will learn to locate authority relevant to selected legal issues. This skill is applied to writing clear and concise briefs, memoranda, and points and authorities employing the IRAC (issue, rule, analysis, conclusion) legal analytical formula.
Transfer: CSU.

PHILOSOPHY [PHIL]

205 INTRODUCTION TO THE BIBLE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces the literature of the Hebrew scriptures and the Christian New Testament through their history, literary conventions, authors, and sources.
Transfer: CSU; UC.

206 INTRODUCTION TO PHILOSOPHY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces the ideas and methods of major philosophers through the critical reading of selections from primary texts. Emphasis will be placed on the philosophical subfields of metaphysics, epistemology, and ethics. May also include philosophical examination of topics in religion, science, language, art, or politics.
Transfer: CSU; UC.

208 INTRODUCTION TO LOGIC (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces the basic principles of both deductive and inductive reasoning. Treatment of deductive reasoning emphasizes translation, truth tables, and natural deduction in sentential logic. Treatment of inductive reasoning emphasizes inductive argument forms, functions of language, and informal fallacies.

Transfer: CSU; UC.

209  WORLD RELIGIONS  (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 201A
Transfer: CSU; UC.

212  PHILOSOPHICAL CLASSICS IN THEORY OF REALITY AND OF KNOWLEDGE  (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 201A
Transfer: CSU; UC.

213  PHILOSOPHICAL CLASSICS IN ETHICS AND SOCIAL PHILOSOPHY  (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 201A
Studies problems in ethics and social philosophy by critically analyzing a selection of classic texts.
Transfer: CSU; UC.

247  INDEPENDENT STUDIES: PHILOSOPHY  (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for in-depth study or a practicum experience by an individual student in a selected topic of philosophy under the direction of an instructor.
Transfer: CSU.

PHYSICS [PHYS]

193  PHYSICS SPECIAL TOPIC  (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

193C  FIELD STUDIES IN PHYSICS  (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Explores the principles of nuclear physics at the particle accelerator in CERN, Switzerland.

205A  GENERAL PHYSICS  (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: MATH 229 or MATH 231 or equivalent
Presents the principles of statics and dynamics of particles and rigid bodies, harmonic motion, fluid mechanics, heat, thermodynamics, wave motion and sound using trigonometry.
Transfer: CSU; UC (For UC, credit for one series only between PHYS 205A-205B and PHYS 208A-208B-208C).

205B  GENERAL PHYSICS  (4.00)
6.00 hours per week: (3.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: PHYS 205A or equivalent
Presents the principles of geometric optics, physical optics, static and dynamic electricity and magnetism, introductory DC and AC circuit theory, modern physics topics (relativity, particles and waves, atomic structure, radioactivity and nuclear reactions) using trigonometry.
Transfer: CSU; UC (For UC, credit for one series only between PHYS 205A-205B and PHYS 208A-208B-208C).

208A  PRINCIPLES OF PHYSICS 1  (5.00)
7.00 hours per week: (4.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: MATH 265A or equivalent
Presents the principles of statics and dynamics of particles and rigid bodies, fluids, harmonic motion, heat and thermodynamics using calculus.
Transfer: CSU; UC (For UC, credit for one series only between PHYS 205A-205B and PHYS 208A-208B-208C).

208B  PRINCIPLES OF PHYSICS 2  (5.00)
7.00 hours per week: (4.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: PHYS 208A and MATH 265B
Presents the principles of wave motion, sound, geometric and physical optics, static and dynamic electricity and magnetism, D.C. and A.C. circuit theory and electromagnetic waves using calculus.
Transfer: CSU; UC (For UC, credit for one series only between PHYS 205A-205B and PHYS 208A-208B-208C).
208C MODERN PHYSICS (4.00)
4.00 hours per week: (3.00 lecture hours, 3 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: PHYS 208B
Presents the principles of relativity, waves and particles, Bohr theory, quantum mechanics and Schrodinger's equation, elementary atomic structure, nuclear structure and radioactivity using calculus and vector algebra.
Transfer: CSU; UC (For UC, credit for one series only between PHYS 205A-205B and PHYS 208A-208B-208C).

218 APPLIED PROBLEMS FOR CALCULUS-BASED PHYSICS (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Applicable
Pass/No Pass Only
Corequisites: PHYS 208A or PHYS 208B
Develops problem-solving skills that directly assist student mastery of concepts presented in PHYS 208 classes.
Transfer: CSU.

POLITICAL SCIENCE [POLS]

201 INTRODUCTION TO POLITICAL SCIENCE (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Surveys the scope, methods and theories of political science with special emphasis on contemporary political issues and problems.
Transfer: CSU; UC.

202 GOVERNMENT AND POLITICS OF THE UNITED STATES (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents an introduction to the institutions, operation, and policy outputs of the American political system at the national, state, and local levels. The structures and functions of American government will be explored in the context of their historical development and their relation to political power and interest today.
Transfer: CSU; UC.

204 WORLD POLITICS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Examines the nature of relations among states. Analyzes the basic forces affecting the formulation of foreign policy and the dynamics of international politics. Emphasizes contemporary problems affecting the United States of America in relation to other nations of the world.
Transfer: CSU; UC.

205 LAW AND POLITICS (3.00)
3.00 hours per week: (3.00 lecture hours, 0.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 201A
Introduces the political and constitutional context of major legal controversies, including but not limited to civil rights, civil liberties, presidential versus congressional power, and national versus state and local power.
Transfer: CSU; UC.

206 COMPARATIVE GOVERNMENT (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Studies and compares constitutional principles, institutions, governments, and political problems of selected foreign countries and regions. Emphasizes current political philosophies, developments, institutions, and practices on a regional basis.
Transfer: CSU; UC.

209 INTRODUCTION TO POLITICAL THEORY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: POLS 201 and ENGL 201A
Surveys the diversity of ideas and concepts in political thought from the ancients to the present, from Plato to contemporary feminism.
Transfer: CSU; UC.

PSYCHIATRIC TECHNICIAN [PSYT]

110 INTRODUCTION TO PSYCHIATRIC TECHNICIAN (6.5)
6.67 hours per week: (6.67 lecture hours)
Associate Degree Applicable
Pass/No Pass Only
Prerequisites: Admission to the Psychiatric Technician Program
Introductory psychiatric technician training program. Concepts necessary to practice safely and legally in a forensic mental institution are presented. The effect of culture and its affect on the client and care are presented.

193 PSYCHIATRIC TECHNICIAN SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Examines a special topic in the field of study related to the discipline offering this course.

207 NURSING SCIENCE (19.00)
31.12 hours per week: (13.56 lecture hours, 17.56 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: PSYT 110
Presents principles of Mental Health and Physical Health. Principles of Theory and Clinical Skills are applied in the
care of patients in Long Term Care and Respite Day Care facilities. Students demonstrate competent skill performance in a simulated clinical setting. Principles of Nursing Process, Standard Nursing Care for a variety of common diseases and care of the elderly are also a focus.

Transfer: CSU.

208 CARE OF THE DEVELOPMENTALLY DISABLED (17.50)
30.17 hours per week: (11.50 lecture hours, 18.67 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: PSYT 207

Transfer: CSU.

209 PSYCHIATRIC NURSING (18.50)
31.12 hours per week: (12.56 lecture hours, 18.56 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: PSYT 207

Transfer: CSU.

PSYCHOLOGY [PSYC]

200 RESEARCH METHODS FOR THE BEHAVIORAL AND SOCIAL SCIENCES (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: PSYC 201 and MATH 236 or MATH 247 with a minimum grade of C or better or consent of instructor.
Introduces research methods used in psychology and other social sciences. Topics include the logic and ethics of research; descriptive, correlational, and experimental methodology; instrumentation; strategies for searching research literature; basic statistical reasoning and methods; and the collection, analysis, interpretation, and reporting of research data.

Transfer: CSU; UC.

201 INTRODUCTORY PSYCHOLOGY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces psychology as the study of behavior and mental processes involving biological, psychological and social influences that provide the basis for human experience. Principles involved in brain function, learning, development, motivation, perception, personality and social adjustment present the basic concepts, vocabulary and methods of psychology.

Transfer: CSU; UC.

202 INTRODUCTION TO BIOLOGICAL PSYCHOLOGY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: PSYC 201
Presents an analysis of the biological bases of behavior and mental processes in terms of evolutionary, genetic, anatomical and physiological determinants. Examines heredity, development, cognitive processes, and the function of the nervous and endocrine systems.

Transfer: CSU; UC.

206 INTRODUCTION TO SOCIAL PSYCHOLOGY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: PSYC 201
This course considers individual human behavior in relation to the social environment. The power of the situation, other individuals, and the social group will be examined. Emphasized topics include: aggression, prejudice and stereotypes, interpersonal attraction, attitudes and attitude change, conformity, group phenomena, gender roles, cultural norms, person perception, and social cognition.

Transfer: CSU; UC.

233 PERSONALITY AND ADJUSTMENT (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: PSYC 201
Presents the scientific study of personality with an applied focus on how psychological science is used for personal growth and adjustment to life experiences. The course surveys different psychological perspectives and theoretical foundations of personality development and change, with consideration of the influence of personal relationships, culture, gender, ethnicity, historical context, and socio-economic status.

Transfer: CSU; UC.

247 INDEPENDENT STUDIES: PSYCHOLOGY (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of psychology under the direction of an instructor.

Transfer: CSU.
RECREATION ADMINISTRATION [REC]

201 INTRODUCTION TO RECREATION AND LEISURE SERVICES (3.00)
(Formerly REC 207)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 156
Introduces the history, philosophy, principles, organization and direction of recreation and leisure services in the public, voluntary, private and commercial sectors. Emphasizes functions, areas, facilities, clientele and career opportunities available within the profession.
Transfer: CSU.

203 INTRAMURAL AND RECREATIONAL SPORT PROGRAMMING (3.00)
4.00 hours per week: (2.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 156
Presents philosophy, foundations, policy and techniques underlying intramurals and recreational sport programming in schools, public, private and commercial recreation settings. Analyzes program design for club, informal, league and tournament formats. Discusses appropriate means for promotion, safety and risk management and participant recognition. Detailed sport program plan created.
Transfer: CSU.

204 RECREATION PROGRAM PLANNING (3.00)
4.00 hours per week: (2.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: ENGL 156
Presents a theoretical and practical approach to program planning, organization, implementation, and evaluation of recreation services in public, non-profit, private, and commercial settings. Emphasis on interrelationship of needs and interests of participants with goals and objectives, physical settings and activity content. Includes planning and conducting events under direct supervision of instructor and local agency supervisor.
Transfer: CSU.

206 INTRODUCTION TO THERAPEUTIC RECREATION (3.00)
4.00 hours per week: (2.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade Only
Introduction to special populations and therapeutic recreation. Concepts of therapeutic recreation will include history, social issues, professional issues, and basic program design adapted to benefit individuals with special needs.
Transfer: CSU.

208 RECREATION LEADERSHIP (3.00)
4.00 hours per week: (2.50 lecture hours, 1.50 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Presents the history, the philosophy, and the theory of recreation leadership and the associated techniques used by modern recreation and leisure professionals. Emphasizes leadership styles, characteristics and skills.
Transfer: CSU.

SOCIOLOGY [SOC]

201A INTRODUCTION TO SOCIOLOGY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces the basic principles of sociology including the study of the structure of human society, and the structure and process of group life.
Transfer: CSU; UC.

201B SOCIAL INSTITUTIONS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: SOC 201A and ENGL 156
Studies the major social institutions (family, economy, religion, education, and politics) including their structures and functions. Considers major works and draws comparisons between our institutions and those of other societies.
Transfer: CSU; UC.

202 SOCIAL PROBLEMS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: SOC 201A and ENGL 156
Examines current social problems and the sociological concepts, theories, and methods used in their analysis. Emphasis is on the role of power and ideology in the definition of social problems, the causes and consequences of social problems, and the methods of intervention. Topics include crime, poverty, gender inequality, race/ethnic inequality, and family problems.
Transfer: CSU; UC.

204 INTRODUCTION TO CRIMINOLOGY (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: SOC 201A and ENGL 156
Introduces the basic principles of criminology including the various theories of criminal behavior and the processing of delinquency and crime including arrest, trial, detention, and release from prison.
Transfer: CSU; UC.

206 RACE AND ETHNIC RELATIONS (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Introduces students to the sociological analysis of race, ethnicity, and racism, focusing on the US American context. Examines the experiences of racial and ethnic groups. Discusses the patterns of interaction between racial and ethnic
groups. Analyzes social and cultural factors that sustain racial and ethnic inequality. Evaluates efforts to achieve racial and ethnic equality.

Transfer: CSU; UC.

208 INTRODUCTION TO GENDER STUDIES (3.00)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: ENGL 156
Studies the interaction of gender and society. Introduces theories of gender differentiation, stratification, and gender roles. Discusses research methodology and examines current research on gender, both within and outside the United States. Investigates how social and cultural factors (e.g., race, class) have shaped the lives of men and women as well as how they have affected their social and cultural environments. Examines the role and status of U.S. women and men within the larger social structure. Women and men in varying cultural settings will be examined, with an emphasis on how social systems shape the roles of women and affect larger U.S. institutions.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: SOCIOLOGY (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of sociology under the direction of an instructor.
Transfer: CSU.

SPANISH [SPAN]

193 SPANISH SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

201 SPANISH I (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Presents a topic-based, introductory language acquisition course in standard contemporary Spanish, with emphasis on listening comprehension, oral interaction, culture-centered readings, and writing of basic Spanish. Social and cultural aspects of the Spanish-speaking world are presented along with the most essential structures and vocabulary. Typed written exercises and online multimedia practice activities are required.
Transfer: CSU; UC.

202 SPANISH II (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade Only

203 SPANISH II (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: SPAN 201
Presents a continuation of SPAN 201 with a topic-centered, intensive practice in listening comprehension, oral interaction, and writing. Selected readings from the Hispanic world include cultural vignettes, prose selections, and poetry. Typed written exercises and online multimedia practice activities are required.
Transfer: CSU; UC.

204 SPANISH IV (5.00)
5.00 hours per week: (5.00 lecture hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: SPAN 203
Presents an expansion of SPAN 203 focusing on 4 skills: listening, conversation, reading and presentational writing. Drawing from authentic materials, SPAN 204 is an intermediate course that provides a comprehensive grammar review, extensive oral practice and an introduction to literary concepts. Competency reflects the students’ emerging ability to perform both orally and in written form with complex situations. Online multimedia practice is required and includes audio and video and extensive online resources.
Transfer: CSU.

247 INDEPENDENT STUDIES: SPANISH (0.50 to 2.00)
1.50 - 6.00 hours per week: (1.50 - 6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Spanish under the direction of an instructor.
Transfer: CSU.

VOCATIONAL ESL [VESL]

701 WORK-RELATED CONVERSATIONAL SKILLS, LEVEL 1 (0)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Non-Applicable
Non-Credit/Non-Graded
Advisories: ESL placement evaluation or equivalent.
Focuses on work-related conversation, reading, and writing for the non-native speaker at the beginning level. No English is required.
Repeatable.
702 WORK-RELATED CONVERSATIONAL SKILLS, LEVEL 2 (0)
3.00 hours per week: (3.00 lecture hours)
Associate Degree Non-Applicable
Non-Credit/Non-Graded
Advisories: VESL 701 or equivalent.
Presents a continuation of VESL 701, focusing on work-related reading, conversation, and writing for the non-native speaker.
Repeatable.

715 COMMUNICATION SKILLS FOR WORKPLACE (0)
2.00 hours per week: (0.50 lecture hours, 1.50 lab hours)
Associate Degree Non-Applicable
Non-Credit/Non-Graded
Focuses on the basic verbal communication skills and cultural knowledge needed in job readiness and job search in the United States.
Repeatable.

WELDING (WELD)

175 BLUEPRINT READING AND MATERIALS PROCESSING (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: WELD 270A
Advisories: MATH 123
Provides students with instruction and experience with structural, architectural and shop blueprints commonly utilized in the welding industry. Interpretation, drawing, and application of skills will be applied to determining job cost, material acquisition and project construction.

176 WELDING POWER (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Applies principles of selection, maintenance, diagnostics and repair of various welding power supplies and external drive mechanisms. Includes instruction and hands on experiences in electrical principles as they pertain to machine selection, installation, operation and maintenance. Manual, semiautomatic and automatic equipment will be included as focus topics for this course.

193 WELDING TECHNOLOGY SPECIAL TOPIC (0.50 to 4.00)
0.00 hours per week: (0.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Examines a special topic in the field of study related to the discipline offering this course.

247 INDEPENDENT STUDIES: METALS TECHNOLOGY (2.00)
6.00 hours per week: (6.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: The student must have completed preparatory course work in the technical field in which the study is to be undertaken.

Provides an opportunity for in-depth study or practicum experience by an individual student in a selected topic in the Welding Technology area with support and direction from an instructor.
Transfer: CSU.

270A BASIC WELDING (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Provides for basic instruction in oxyacetylene and shielded metal arc welding. Begins with the fundamentals and quickly progresses through intermediate skills for welding steel. Includes information on cutting, braze welding, metallurgy, vertical arc welding and non-ferrous welding. An emphasis is placed on developing good manipulative welding skills for joining steel in the flat and horizontal positions.
Transfer: CSU.

270B ADVANCED WELDING (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: WELD 270A
Continues WELD 270A with emphasis placed on vertical and overhead welding with the shielded metal arc processes. Includes instruction on air carbon arc gouging, flux core arc welding, and development of welding procedures and techniques.
Transfer: CSU.

270C WELDING: GMAW & GTAW (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Prerequisites: WELD 270A
Presents advanced welding with Gas Tungsten Arc (Heliarc) Welding, Gas Metal Arc (Wire Feed) Welding and Flux Core Arc Welding processes on ferrous and nonferrous materials.
Transfer: CSU.

273 METALLURGY (3.00)
5.00 hours per week: (2.00 lecture hours, 3.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Emphasizes the mechanical and physical properties of ferrous and non-ferrous metals. Includes preparation and inspection of metal samples and manufacturing and forming processes.
Transfer: CSU.

277 METAL FABRICATION (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Prerequisites: WELD 270A
Provides an opportunity to design and construct major projects from metal. Manufacturing processes and production techniques are included in planning and developing projects.
Transfer: CSU.
280A  STRUCTURAL STEEL WELDING CERTIFICATION (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Advisories: Completion of or concurrent enrollment in WELD 270B.
Continues WELD 270B. Prepares the student to meet industry standards in shielded metal arc welding on plate steel. Includes performance and procedure qualification, workmanship, techniques, inspection. Provides opportunity for certification to the American Welding Society D1.1 Structural Welding Code.
Transfer: CSU.

280B  PIPE WELDING CERTIFICATION (3.00)
6.00 hours per week: (2.00 lecture hours, 4.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Advisories: WELD 270B
Prepares the student to meet industry standards in Shielded Metal Arc Welding (SMAW) on plate and pipe, as well as introduces Gas Tungsten Arc Welding (GTAW) on pipe. Includes workmanship and pipe fitting techniques, providing opportunity for certification to the American Society of Mechanical Engineers (ASME) Section IX Boiler and Pressure Vessel code.
Transfer: CSU.

WELLNESS [WELL]

000  ADULT FITNESS (0)
3.00 hours per week: (3.00 lab hours)
Associate Degree Non-Applicable
Non-Credit/Non-Graded
Presents an opportunity to begin or continue a lifetime fitness program. Students will participate in activities developing flexibility, muscular endurance, muscular strength, cardiovascular and general conditioning. Group or individual activities may include weight training, aerobics, step training, running, walking, water exercise, resistance workout, use of exercise equipment, etc.
Repeatable.

001  ADAPTED AQUATICS (0)
3.00 hours per week: (3.00 lab hours)
Associate Degree Non-Applicable
Non-Credit/Non-Graded
Provides an individualized aquatic exercise program for students with a disability. Improves flexibility, strength, and endurance using the water as a source of buoyancy and resistance.
Repeatable.

WORK EXPERIENCE [WEXP]

012  LIFE SKILLS FOR SUCCESS A: WHO AM I? (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Provides individuals with skills to function effectively in the workplace, school and the community. This course focuses on issues related to personal identity, values and goals, and self-esteem and through reality-based readings, discussions and activities fosters the skills needed to live and thrive in our society.

013  LIFE SKILLS FOR SUCCESS B: HOW DO I DECIDE? (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Provides individuals with skills to function effectively in the workplace, school and the community. This course focuses on issues related to decision-making, dealing with change, time and energy management through reality-based readings, discussions and activities fostering the skills needed to live and thrive in our society.

014  LIFE SKILLS FOR SUCCESS C: HOW MUCH DO I NEED? (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Provides individuals with skills to function effectively in the workplace, school and the community. This course focuses on issues related to financial literacy, personal budgeting and planning, and through reality-based readings, discussions and activities fosters the skills needed to live and thrive in our society.

015  LIFE SKILLS FOR SUCCESS D: STAYING HEALTHY (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Provides individuals with skills to function effectively in the workplace, school and the community. This course focuses on issues related to establishing a healthy lifestyle in the areas of physical, mental and sexual health, and through reality-based readings, discussions and activities fosters the skills needed to live and thrive in our society.

016  LIFE SKILLS FOR SUCCESS E: FINDING YOUR FUTURE (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Provides individuals with skills to function effectively in the workplace, school and the community. This course focuses on issues related to planning one’s future including identifying career interests and motivation, career paths, related educational opportunities, job market trends, basic elements of a job search portfolio; and through reality-based readings, discussions and activities fosters the skills needed to live and thrive in our society.

017  LIFE SKILLS FOR SUCCESS F: COMMUNITY LIVING A (1.00)
1.00 hours per week: (1.00 lecture hours)
Associate Degree Non-Applicable
Letter Grade or Pass/No Pass
Provides individuals with skills to function effectively in the workplace, school and the community. This course focuses
on issues related to getting along in the community such as housing, transportation, and public services; and through reality-based readings, discussions and activities fosters the skills needed to live and thrive in our society.

018  **LIFE SKILLS FOR SUCCESS Q: COMMUNITY LIVING B**  
1.00 hours per week: (1.00 lecture hours)  
Associate Degree Non-Applicable  
Letter Grade or Pass/No Pass  
Provides individuals with skills to function effectively in the workplace, school and the community. This course focuses on issues related to developing a sense of community and participating in the community; and through reality-based readings, discussions and activities fosters the skills needed to live and thrive in our society.

019  **LIFE SKILLS FOR SUCCESS R: LIVING HEALTHY RELATIONSHIPS**  
1.00 hours per week: (1.00 lecture hours)  
Associate Degree Non-Applicable  
Letter Grade or Pass/No Pass  
Provides individuals with skills to function effectively in the workplace, school and the community. This course focuses on issues related to building and maintaining healthy relationships; and through reality-based readings, discussions and activities fosters the skills needed to live and thrive in our society.

030  **WELLNESS ARTS**  
3.00 hours per week: (1.50 lecture hours, 1.50 lab hours)  
Associate Degree Non-Applicable  
Pass/No Pass Only  
Advisories: Consult with Wellness Arts Coordinator  
Provides art as a tool for processing, expressing and managing mental health issues as they relate to succeeding in a college environment. Examines internal and external factors that affect wellness in the college setting and strategies for managing them. Provides skills for establishing and assessing educational goals. Creates an atmosphere for team-building and self-discovery. Designed for students who struggle with levels of anxiety, sadness, intrusive thoughts, and social phobia that may make attending and succeeding in college difficult.

110  **CAREER PLANNING: COMPREHENSIVE**  
3.00 hours per week: (3.00 lecture hours)  
Associate Degree Applicable  
Pass/No Pass Only  
Advisories: ENGL 156  
Introduces a decision-making process that will help students envision and plan for a future that is productive, achievable, and stimulating. The culmination of this process is the development of an online career and education 10-year plan that can be used for advisory and academic coaching purposes and updated as students grow, change, or face transitions. The personalized 10-year plan provides the focus and intrinsic motivation to succeed in college, at work, and in life.

147  **INDEPENDENT STUDIES: WORK EXPERIENCE**  
0.00 hours per week: (0.00 lecture hours)  
Associate Degree Applicable  
Letter Grade or Pass/No Pass  
Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.  
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Work Experience under the direction of an instructor.

151L  **COOPERATIVE WORK EXPERIENCE LAB – GENERAL**  
0.50 to 2.50  
15.00 hours per week: (3.00 - 15.00 lab hours)  
Associate Degree Applicable  
Letter Grade Only  
Co-requisites: Choose one of the following courses: BUS 170, BUS 171, BUS 172, BUS 173, BUS 174, BUS 175, BUS 176, BUS 177, BUS 178, BUS 179, BUS 180, BUS 181, BUS 182, BUS 183, or WEXP 151 and must be working a minimum of 5 hours per week.  
Examines and provides information on work-related topics. Students enrolling in this class must have a job, working a minimum of 5 hours per week. For Summer, students must be enrolled in one other credit course, and be working a minimum of 7.5 hours per week.  
Repeatable 3 time(s).

193Q  **SURVEY OF MOTION PICTURE AND TELEVISION PRODUCTION**  
0.50 to 4.00  
0.00 hours per week: (0.00 lecture hours)  
Letter Grade Only  
Associate Degree Applicable  
Examines a special topic in the field of study related to the discipline offering this course.

193P  **SURVEY OF AUTOMOTIVE BODY REPAIR**  
2.00 hours per week: (0.50 lecture hours, 1.50 lab hours)  
Associate Degree Applicable  
Pass/No Pass Only  
Examines and provides information on work-related topics. Students enrolling in this class must have a job, working a minimum of 5 hours per week. For Summer, students must be enrolled in one other credit course, and be working a minimum of 7.5 hours per week.  
Repeatable 3 time(s).

193O  **SURVEY OF AUTOMOTIVE TECHNOLOGY**  
2.00 hours per week: (0.50 lecture hours, 1.50 lab hours)  
Associate Degree Applicable  
Pass/No Pass Only  
Examines and provides information on work-related topics. Students enrolling in this class must have a job, working a minimum of 5 hours per week. For Summer, students must be enrolled in one other credit course, and be working a minimum of 7.5 hours per week.  
Repeatable 3 time(s).

193R  **SURVEY OF OF PROCEDURES**  
2.00 hours per week: (0.50 lecture hours, 1.50 lab hours)  
Associate Degree Applicable  
Pass/No Pass Only  
Examines and provides information on work-related topics. Students enrolling in this class must have a job, working a minimum of 5 hours per week. For Summer, students must be enrolled in one other credit course, and be working a minimum of 7.5 hours per week.  
Repeatable 3 time(s).
Presents a basic overview of professional office procedures, with an emphasis on the foundational knowledge and skills required for a basic entry level administrative office support.

210  INTRODUCTION TO WORKPLACE READINESS  (3.00)
     3.00 hours per week: (3.00 lecture hours)
Associate Degree Applicable
Letter Grade or Pass/No Pass
Introduction of fundamentals for workplace readiness and job retention. Students will develop skills related to customer service, workplace attitude, written and oral communication, and ethical behavior; students will also create a resume and complete a job application, and develop qualities sought by employers.
Transfer: CSU.

252L  COOPERATIVE WORK EXPERIENCE LAB – OCCUPATIONAL  (0.50 to 3.50)
     20.00 hours per week: (2.90 - 20.00 lab hours)
Associate Degree Applicable
Letter Grade Only
Corequisites: Choose one of the following courses: BUS 170, BUS 171, BUS 172, BUS 173, BUS 174, BUS 175, BUS 176, BUS 177, BUS 178, BUS 179, BUS 180, BUS 181, BUS 182, BUS 183, or WEXP 252 and must be working a minimum of 5 hours per week.
Examine and provides information on work-related topics. Students enrolling in this class must have a job, working a minimum of 5 hours per week. For Summer, students must be enrolled in one other credit course, and be working a minimum of 7.5 hours per week.
Repeatable 3 time(s).
Transfer: CSU.

510  INTRODUCTION TO WORKPLACE READINESS  (0)
     3.55 hours per week: (2.22 lecture hours, 1.33 lab hours)
Associate Degree Non-Applicable
Non-Credit/Non-Graded
Introduction of fundamentals for workplace readiness and job retention. Students will learn to develop oral and written communication skills, complete an employment application, interview techniques, build interactive workplace relations, and develop qualities sought by employers.
Repeatable.