

INSTRUCTIONAL PROGRAMS

INSTRUCTIONAL DIVISION CHAIRS AND DIRECTORS

ASSOCIATE DEGREE REQUIREMENTS

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DEGREE AND CERTIFICATE REQUIREMENTS

INSTRUCTIONAL DIVISION CHAIRS AND DIRECTORS

CREDIT PROGRAMS**ACADEMIC SUPPORT/
DISABLED STUDENT
PROGRAMS AND SERVICES**

Patrick Schwab, Director
Academic Skills

ATHLETICS

Bob Mariucci, Director

BIOLOGICAL SCIENCES

Ron Ruppert, Chair
Biology

BUSINESS EDUCATION

Virginia Findley, Chair
Gary Rubin, North County Coordinator
Business Administration
Computer Applications/Office Administration
Computer Information Systems
Customer Service Academy
Economics
Hospitality
Legal
Paralegal
Real Estate
Work Experience

COUNSELING

Candelario Munoz, Director
Counseling

ENGLISH

Dennis Baeyen, Chair
Sean Boling, North County Coordinator
English

**ENGLISH AS A SECOND
LANGUAGE**

Douglas Pillsbury, Chair
Regina McKeown, North County Coordinator
English as a Second Language

**ENGINEERING AND
TECHNOLOGY**

Chris Akelian, Chair
Agricultural Technology
Architecture
Automotive Technology
Computer and Networking Technology
Construction Technology
Criminal Justice
Electronics and Electrical Technology
Engineering
Welding

FINE ARTS

Guyla Amyx, Chair
Art

HUMAN DEVELOPMENT

Don Norton, Chair
Jan Gillette, North County Coordinator
Culinary Arts
Early Childhood Education
Family Studies
Fashion Design and Merchandising
Interior Design
Nutrition

**LANGUAGES AND
COMMUNICATIONS**

Ralph Sutter, Chair
Beth-Ann Dumas, North County Coordinator
American Sign Language
Broadcast Communications
French
German
Journalism
Spanish
Speech Communications

**LIBRARY/LEARNING
RESOURCES**

Mark Stengel, Director
Library/Information Technology
Online

MATHEMATICS

Marie Larsen, Chair
Rich Taylor, North County Coordinator
Mathematics

NON-CREDIT PROGRAMS

Matthew Green, Director
Emeritus College
English as a Second Language
English as a Second Language, Vocational

**NURSING AND ALLIED
HEALTH**

Marcia Scott, Director of Nursing
Richard Scott, Director of Allied Health
Pam Peachey, Chair/Assistant Director
Fay Johnson, North County Coordinator
Emergency Medical Services
Licensed Vocational Nursing
Medical Assisting
Nursing Assistant
Nursing, Registered
Psychiatric Technician

PERFORMING ARTS

Jennifer Martin, Chair
Drama
Music

PHYSICAL EDUCATION

Walt Rehm, Chair
Dance
Health Education
Physical Education Adapted
Physical Education Activity
Physical Education Athletics
Physical Education Theory
Wellness

PHYSICAL SCIENCES

Kathy Jimison, Chair
Bret Clark, North County Coordinator
Astronomy
Chemistry
Geology
Oceanography
Physical Science
Physics

SOCIAL SCIENCES

Jane Morgan, Chair
Brent LaMon, North County Coordinator
Anthropology
Geography
History
Philosophy
Political Science
Psychology
Sociology

**STUDENT LIFE AND
LEADERSHIP**

Anthony Gutierrez, Coordinator
Leadership

ASSOCIATE DEGREE REQUIREMENTS

Associate Degree and Certificate Application

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" beginning on page 52.

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 (certain exceptions may apply to Allied Health certificate programs).

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, general education, 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 REQUIREMENT

Residency Requirements are met by completing coursework through Cuesta College. Credit-by-Exam, Advanced Placement credit and Military credit do not fulfill the requirement. Non-degree applicable coursework is acceptable.

- DEGREES - A minimum of 12 semester credits must be completed in residence at Cuesta College before a degree may be awarded.
- ADVANCED PLACEMENT CREDIT - A minimum of 12 semester credits must be completed in residence at Cuesta College before credit for AP exams will be applied.
- CERTIFICATE OF ACHIEVEMENT - A minimum of two of the required courses must be completed in residence at Cuesta College.
- CSU GENERAL EDUCATION CERTIFICATION - A minimum of 3 credits of general education coursework must be completed in residence at Cuesta College before certification may be granted.

- HOSPITAL DIPLOMA CREDIT - A minimum of 12 credits must be completed in residence at Cuesta College before credit can be awarded.
- MILITARY CREDIT - A minimum of 12 credits must be completed in residence at Cuesta College before military credit can be awarded.

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.

A.A., Liberal Arts Degrees (Non-Transfer)

The Associate of Arts in Liberal Arts Degree is designated for students who wish a broad knowledge of liberal arts and sciences plus additional coursework in an "Area of Emphasis."

ASSOCIATE IN ARTS DEGREE: Students must complete all of the required courses for Cuesta College AA/AS General Education Pattern.

Complete 18 credits in an "Area of Emphasis"

- Arts and Humanities
- Mathematics and Sciences
- Social and Behavioral Sciences

Where appropriate, courses in the Area of Emphasis may also be counted for a general education requirement. For depth, include a minimum of two courses from a single discipline. For breadth, include at least three disciplines.

Requires the following for graduation from Cuesta College:

- 60 semester credits overall
 - Lower division coursework only (use of upper division credits is subject to appeal)
- Residency credits
- Health Education
- Diversity
- English Competency
- Math Competency
- American Ideals/Institutions
- 2.00 GPA overall

Effective fall 2009, a grade of "C" or better is required for Area of Emphasis courses, and an overall GPA of 2.00 in general education coursework.

A.A., Liberal Arts Degrees (Transfer)

The Associate of Arts in Liberal Arts Degree is designated for students who wish a broad knowledge of liberal arts and sciences plus additional coursework in an "Area of Emphasis." The Associate of Arts in Liberal Arts Degree is an ideal choice for students planning on transferring to the California State University or University of California, as the student will satisfy their general education requirements with an additional focus on transferable coursework related to majors at CSU or UC.

Choose the general education pattern related to your education goal:

- Option I - CSU GE: complete all required courses for the CSU GE certification
- Option II - IGETC: complete all required courses for the IGETC certification

Complete 18 credits in an "Area of Emphasis"

- Arts and Humanities
- Mathematics and Sciences
- Social and Behavioral Sciences

Where appropriate, courses in the Area of Emphasis may also be counted for a general education requirement. For depth, include a minimum of two courses from a single discipline. For breadth, include at least three disciplines.

Either Option requires the following for graduation from Cuesta College:

- 60 semester transferable credits overall (CSU or UC)
Lower division coursework only (use of upper division credits is subject to appeal)
- Residency credits
- Health Education
- Diversity
- English Competency
- Math Competency
- American Ideals/Institutions
- 2.00 GPA overall

Effective fall 2009, a grade of "C" or better is required for Area of Emphasis courses, and an overall GPA of 2.00 in general education coursework.

Designated Degree

The following is required to graduate from Cuesta College with a Designated Degree.

- 60 semester transferable credits overall
Lower division coursework only (use of upper division credits is subject to appeal)
- Prescribed coursework in a specific major
- Residency credits
- Health Education
- Diversity
- English Competency (see new requirements effective fall 2009)
- Math Competency (see new requirements effective fall 2009)
- American Ideals/Institutions
- 2.00 GPA overall

Effective fall 2009, a grade of "C" or better is required in the major coursework, and an overall GPA of 2.00 in general education coursework.

GENERAL EDUCATION

General education is a coherent pattern of courses intended to serve three purposes: Taken as a whole, the program is intended to strengthen students' essential intellectual skills; broadly introduce students to the core concepts and methods of the major disciplines; and prepare students to lead enriched lives in our multicultural society. General education courses are distinguished 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 US culture and its governing institutions.

CRITERIA FOR GENERAL EDUCATION COURSES

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.

GENERAL EDUCATION CATEGORIES AND REQUIREMENTS

Categories of courses that fulfill general education requirements and the criteria for inclusion in each of the categories are as follows:

AREA A: PHYSICAL AND LIFE SCIENCES

After successfully completing courses in this category, students will understand the scientific method and its role in research, analyze problems in a structured way, and develop and employ strategies for solutions using scientific principles. Students will understand the empirical bases for current scientific theories, how those theories develop and change, and how they explain the natural world. Students also will appreciate the influence of scientific knowledge on the development of civilization.

Select one from the following courses:

Anthropology

201 Physical Anthropology (3)

Astronomy

210 Astronomy (3)

Biology

201A Biology (5)
204 General Bacterology (5)
205 Human Anatomy (4)
211 Life Science (3)
212 Human Biology (3)
216 Plants & People (4)
220 Environmental Biology (3)
221 General Ecology (4)
222 Introduction to Marine Science (3)
224 Principles of Natural History (3)

Chemistry

201A General College Chemistry
210 Introduction to Chemistry
210FL Introduction to Chemistry with Facilitator Assisted Learning (4)

211 Introductory Organic/Biochemistry (4)

Electronics Technology

213 Electronics Fundamentals (6)

Geology

- 210 Physical Geology (4)
 211 Historical Geology (4)
 212 Geologic Hazards, Man, and the Environment (3)
 220 Geology of California (3)

Nutrition

- 210 Nutrition (3)
 211 Introduction to Nutrition for Health Professionals (3)

Oceanography

210 Oceanography (3)

Physical Science

- 201A Physical Science: Physics and Chemistry (3)
 201B Physical Science: Astronomy and Geology (3)

Physics

- 205A General Physics (4)
 208A Principles of Physics (5)
 210 Introduction to Physics (3)
 130 Technical Physics (3)

Psychology

202 Introduction to Biological Psychology (3)

AREA B: SOCIAL AND BEHAVIORAL STUDIES

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

Select one from the following courses:

Anthropology

- 202 Archaeology (3)
 203 Cultural Anthropology (3)
 225 Contemporary Culture of the World (3)

Criminal Justice

202 Introduction to Criminal Justice (3)

Early Childhood Education

201 Child Growth and Development (3)

Economics

- 201A Principles of Economics (3)
 201B Principles of Economics (3)

Family Studies

- 212 Human Development Life Span (3)
 214 Marriage and Family Relations (3)
 215 Developmental Patterns of Women (3)
 270 Introduction to Addiction Studies: Addiction and the Community (3)

Geography

- 201 Physical Geography (3)
 202 Cultural Geography (3)

History

- 203A History of World Civilization (3)
 203B History of World Civilization (3)
 204A History of Western Civilization (3)
 204B History of Western Civilization (3)
 207A History of the United States (3)
 207B History of the United States (3)
 208A History of Latin America (3)
 208B History of Latin America (3)
 210 History of California (3)
 212 History of the Mexican-American (3)
 219 History of the Far East (3)
 233 Afro-American History (3)
 235 The History of African Civilization (3)
 237 History of American Women (3)
 239 The History of the Role of Women (3)
 260 History of the San Simeon Region (3)

Legal

217 Introduction to Law (3)

Political Science

- 201 Introduction to Political Science (3)
 202 Government and Politics of the United States (3)
 204 World Politics (3)
 205 Law and Politics (3)
 206 Comparative Government (3)
 209 Introduction to Political Theory (3)

Psychology

- 201 Introductory Psychology (3)
 206 Introduction to Social Psychology (3)
 233 Personality and Adjustment (3)

Sociology

- 201A Introduction to Sociology (3)
 201B Social Institutions (3)
 206 Minority Group Relations (3)
 208 Introduction to Women's Studies (3)

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. They will be able to 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.

Select one from the following courses:

American Sign Language

- 215A Beginning American Sign Language (3)
 215B American Sign Language II (3)
 215C American Sign Language III (3)
 215D American Sign Language IV (3)

Art

- 200 Art Appreciation (3)
 203 Survey of Art History: Old Stone Age through Gothic (3)

- 204 Survey of Art History: Renaissance through 19th Century (3)
 205 Survey of Art History: 20th Century (3)
 206 Survey of Art History: Non-Western Art (3)
 220 Fundamentals of 2-D Design (2-3)
 221 Beginning Drawing (2-3)
 240 Introduction to Print Media (2-3)
 270 3-Dimensional Design (2-3)
 271 Beginning Sculpture (2-3)
 280 Ceramics (2-3)

Drama

- 201A Principles of Acting (3)
 205 Introduction to Dramatic Literature (3)
 206 Theater Appreciation (3)
 207 Introduction to the Theatre (3)

English

- 201B English Composition: Introduction to Literature (3)
 205 Introduction to Poetry (3)
 206 Introduction to the Novel (3)
 212A American Literature (3)
 212B American Literature (3)
 213 Multicultural Voices in American Literature (3)
 215 Shakespeare (3)
 216 Literature and Film (3)
 217 Literature by Women (3)
 231 Creative Writing (3)
 244A European Literature (3)
 244B European Literature (3)
 246A Survey of British Literature (3)
 246B Survey of British Literature (3)

French

- 201 Elementary French (4)
 202 French (4)
 203 French (4)

German

- 201 Elementary German (4)
 202 German (4)
 203 German (4)

Interior Design

- 240 Design and History of Furniture: Ancient - 18th Century (3)
 245 Design and History of Furniture: 18th - 20th Century (3)

Music

- 230A Music History (3)
 230B Music History (3)
 235 Music Appreciation: Classical Music (3)
 237 Music Appreciation: American Popular Music (3)
 238 Music Appreciation: Jazz History (3)
 239 Fundamentals of Music (3)

Philosophy

- 205 Introduction to the Bible (3)
 206 Introduction to Philosophy (3)
 209 World Religions (3)
 212 Philosophical Classics in Theory of Reality (3)
 213 Philosophical Classics in Ethics and Social Philosophy (3)

Spanish

- 201 Elementary Spanish (4)
 202 Spanish (4)
 203 Spanish (4)

Speech

- 202A Oral Interpretation of Literature (3)

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.

The mathematics competency requirement is satisfied by completing Math 126B, 127 or a high 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. Students will be able to read critically in order to comprehend the central ideas and rhetorical techniques in the assigned texts. They also will be able to demonstrate an ethical use of various rhetorical techniques in their written work.

English

- 201A English Composition (4)

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. Students will also appreciate the strengths and limitations of the system, its logical structure, and its derivation.

Complete one of the following courses

Mathematics

- 126B Intermediate Algebra - Part 2 (5)
 127 Intermediate Algebra (5)
 229 Trigonometry (3)
 230 College Mathematics for the Humanities (3)
 231 Trigonometry with Geometric Foundations (5)
 232 College Algebra (3)
 236 Introduction to Applied Statistics (3)
 242 Pre-calculus Algebra (5)
 247 Introduction to Statistics (4)
 255 Calculus for Business and Management (3)
 265A Analytic Geometry and Calculus (5)
 265B Analytic Geometry and Calculus (5)
 283 Calculus (5)
 287 Linear Analysis (5)

AREA E: AMERICAN INSTITUTIONS

After successfully completing courses in this category, students will understand the impact of social, political, and economic forces in the historical development of the US. Students will be able to employ interpretative skills to analyze historical causes and effects. Students will have an enhanced understanding of the interrelationship among the

branches of our government over time. Students will also develop an understanding of US cultural and social diversity, and ethnic, gender, and class conflict.

Select one from the following courses:

History

- 207A History of the United States (3)
207B History of the United States (3)

Political Science

- 202 Government of the United States (3)

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.

Select one from the following:

Anthropology

- 203 Cultural Anthropology (3)
220 California Indians (3)

Business Education

- 260 International Business (3)

Early Childhood Education

- 215 Multicultural/Anti-bias Curriculum (3)

English

- 213 Multicultural Voices in American Literature (3)
217 Literature by Women (3)

Family Studies

- 215 Developmental Patterns of Women (3)

Health Education

- 203 Women's Health Issues (3)
208 Multicultural Health (3)

History

- 237 History of American Women (3)
239 History of the Role of Women (3)

Legal

- 217 Introduction to Law (3)

Nutrition

- 222 Food Customs and Culture

Psychology

- 206 Introduction to Social Psychology (3)

Sociology

- 202 Social Problems (3)
206 Minority Group Relations (3)
208 Introduction to Women's Studies (3)

Speech

- 212 Intercultural Communication (3)

Completion of one of the following degree or certificate programs will also satisfy the Diversity requirement:

- A.S., Nursing, Registered
- C.A., Nursing, Registered

- C.A., Nursing, Registered (30 Unit Option)

HEALTH REQUIREMENT

After successfully completing this requirement, students will be able to apply a breadth & 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 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.
- Evaluation of individual risk factors for chronic diseases from a genetic, environmental, and lifestyle perspective.
- Descriptive and discussion content about communicable diseases/infections (e.g., STI's, Hepatitis C) including symptoms and prevention.
- Analyzing the influence of environmental and nutritional concepts on food choices.
- Relating diet, exercise, and stress management to prevention of diseases and psychological wellbeing.
- 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.

Select one from the following:

Health Education

- 202 Health Education (3)
203 Women's Health Issues (3)
208 Multicultural Health (3)

Completion one of the following degree or certificate programs will also satisfy the Health Education requirement:

- A.S., Nursing, Registered
- C.A., Nursing, Registered
- C.A., Nursing, Registered (30 Unit Option)

DEGREE AND CERTIFICATE GENERAL INFORMATION

CAREER PROGRAMS

Cuesta College offers two types of academic programs with occupational emphasis: programs leading to an Associate in Arts or Associate in Science degree and programs leading to a Certificate of Achievement and/or Certificate of Specialization. Both provide instruction in the skills and knowledge needed to enter or to make progress in an occupation. The student who wants to pursue a career-oriented program must be eligible to enroll at Cuesta College.

The Associate in Arts or Associate in Science degree programs require completion of 60 degree applicable credits, including general education, health education, diversity and American Institutions coursework, in addition to courses which are career-oriented. Refer to the "Associate Degrees and Certificates" section (pages 45-46).

Vocational programs are developed by the college in close cooperation with advisory committees composed of representatives from business, industry and the college. These advisory committees review course content to make certain that the instruction and curriculum provide current skills, and recommendations are made to update the curriculum. In this manner, students in these programs receive the most current information and skills to prepare them for employment in their chosen field.

Frequently a student's educational goal will change. The college recognizes the mobility within our society and the necessity of changing education needs and goals. Therefore, students can switch from a degree program to a certificate program without loss of credit. The reverse is also true.

Certificate programs require completion of a course or a series of courses. Typically, students who seek certificates wish to complete a career program as quickly as possible to obtain employment. Many students complete the requirements for the certificate, attain employment, and return to Cuesta College to complete the additional general education requirements for an associate degree or requirements for transfer.

Courses listed in this catalog may not be offered each semester. Consult with a counselor or obtain a current class schedule to determine if a needed class is being offered.

Certificate of Specialization

Cuesta College shall grant a Certificate of Specialization to those students who have completed the requirements with a minimum grade of "C" in each course in a specialized area of study, and apply for the certificate.

Certificate of Achievement

Cuesta College shall grant a Certificate of Achievement to those students who have completed the requirements with a minimum of grade of "C" in a specialized area of study, and apply for the certificate.

EVALUATIONS, WAIVERS AND SUBSTITUTIONS

The Evaluations Office will determine progress toward a degree or certificate at the time an application is submitted. Students may initiate a waiver/substitution petition through Counseling Services for special circumstances or when requirements change.

CREDITS NOT USED TOWARD DEGREES/

CERTIFICATES/CERTIFICATIONS

Continuing Education Units (CEU)

Though earned at colleges and universities, continuing education courses are designed for personal enrichment or job advancement and may not be used.

Non-Degree Applicable Credits

Non-degree applicable college courses are not used to meet degree curriculum or unit requirements. Degree applicability is determined according to the catalog for the term in which course was taken.

Credits from Non-Accredited Institutions

Cuesta College will only accept course work from institutions that are recognized by a regional accrediting agency.

A publication titled, "Accredited Institutions of Postsecondary Education," published by the American Council on Education, is used for verification of accreditation. The publication is available in Counseling Services and in the Evaluations Office.

Upper Division Course Work

Course credit from colleges and universities at the upper division level are not used. A student must petition to have upper division course content reviewed to satisfy certain requirements. Contact Counseling Services.

CREDIT FOR ALTERNATIVE EDUCATION

Cuesta College affirms that there is merit in awarding college credit for other than the traditional classroom experiences when those experiences represent learning that may be validated. 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. A student will receive credit with a grade of "P" (Pass) if a score of 3, 4, 5 was achieved. The residency requirement must be satisfied in order for AP credit to be applied (see Residency Requirement, page 45).

Credit for Educational Training in the Military

For currently enrolled students, in good standing, who have completed at least 12 credits of "C" average work at Cuesta College, the college may grant up to 12 effective credits in accordance with the recommendations of the American Council on Education for educational training completed in the military service. Educational work completed through the United States Armed Forces Institute (USAFI) will also be accepted with no unit maximum. For more information contact the Admissions and Records Office.

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 catalog and appears on the list of classes that may be challenged for that semester or session.
- The student has completed all prerequisites for the course.
- The student is duly registered, in good standing, and has completed at least 12 credits of “C” average work at Cuesta College.

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.

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 not be on academic probation, 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.

Credit for Hospital Diploma

A student who holds a current California R.N. license and who has earned at least 12 credits in residence at of Cuesta College credit in residence may receive up to 35 Cuesta College credits for work previously earned at a hospital diploma nursing school as follows:

- Up to 18 semester credit for specific diploma school nursing subject courses that have been evaluated by the Cuesta College director of nursing as equivalent to one or more of the courses required in the major for the current Cuesta College Registered Nursing designated degree; and
- Up to 12 semester credits of electives.

California Highway Patrol Academy and Approved Sheriff’s Academies

For currently enrolled students, in good standing, who have completed at least 12 credits of “C” average work at Cuesta College, up to 12 elective credits may be allowed upon completion of the California Highway Patrol Academy or any approved academy of an administration of justice unit. For more information contact the Criminal Justice department of the Business Education Division.

College Level Examination Program (CLEP)

Cuesta College does not accept CLEP.

Tech Prep

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. Enrollment fees are waived for students currently enrolled in high school who have been in residence in San Luis Obispo County for at least one year. Each student must fill out a Cuesta College admission application 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.

A.A. – ASSOCIATE IN ARTS

A.S. – ASSOCIATE IN SCIENCE

C.A. – CERT. OF ACHIEVEMENT

C.S. – CERT. OF SPECIALIZATION

LIST OF DEGREES AND CERTIFICATES

Agricultural Technology

- C.S. Viticulture Practices
- C.S. Viticulture Practices and Maintenance

Architectural Technology

- A.S. Architectural Technology
- C.A. Architectural Technology

Art

- A.A. Art History and Professional Practices
- A.A. Art Studio
- C.S. Graphics

Automotive Technology

- A.S. Advanced Engine Performance Technician
- A.S. Auto Body Technician
- C.A. Auto Body Technician
- A.S. Automotive Technician
- C.A. Automatic Transmission/Transaxle Specialist
- C.A. Brakes Specialist
- C.A. Chassis and Suspension Specialist
- C.A. Electrical Systems Specialist
- C.A. Engine Performance Specialist
- C.A. Engine Repair Specialist
- C.A. Heating and Air Conditioning Specialist
- C.A. Manual Drivetrains and Axles Specialist

Basic Skills

- C.S. Basic Skills

Biology

- A.S. Biological Sciences

Broadcast Communications

- A.A. Broadcast Communications

Business

- A.A. Business Administration
- C.A. Business Administration
- A.A. International Business
- C.S. International Business
- A.A. Management
- C.S. Supervision
- C.S. Customer Service
- A.A. Marketing

Chemistry

- A.S. Chemistry

Computer Applications/Office Administration

- A.A. Computer Applications/Office Administration
- C.A. Administrative Assistant
- C.A. Computer Office Support and Maintenance Specialist
- C.A. Office Professional
- C.A. Word Processing
- C.A. Accounting Clerk/Bookkeeper
- C.A. Business Communications
- C.S. Desktop Publishing
- C.A. Computer Applications
- C.A. Document Processing

Computer Information Systems

- A.S. Computer Information Systems, Programming
- C.S. Internet Applications Developer
- A.S. Computer Science
- A.S. Management Information Systems
- A.S. Visual Basic/Database Administration

Computer and Networking Technology

- A.S. Computer and Networking Technology
- C.A. Computer and Network Maintenance
- A.S. Computer Network Administration
- C.A. Computer Networking Specialist
- C.S. Computer Repair

Construction Technology

- A.S. Construction Technology
- C.A. Construction Technology
- C.S. Basic Water Treatment
- C.S. Block Masonry
- C.S. Brick Masonry
- C.S. National Electrical Code
- C.S. Uniform Building Code
- C.S. Uniform Plumbing and Mechanical Codes
- C.S. Water Distribution Systems
- C.S. Woodworking

Criminal Justice

- A.A. Criminal Justice

Culinary Arts

- A.S. Culinary Arts
- C.A. Culinary Arts
- C.S. Baking
- C.S. Savory Cuisine
- C.S. Whole Foods

Dance

- A.A. Dance

Drama

- A.A. Drama

Early Childhood Education

- A.A. Early Childhood Education Teacher: Community Track
- C.A. Early Childhood Education Teacher: Community Track
- A.A. Early Childhood Education Teacher: Laboratory Track
- C.A. Early Childhood Education Teacher: Laboratory Track
- C.S. Early Childhood Education Associate Teacher
- C.S. Early Childhood Education Master Teacher: Curriculum
- C.S. Early Childhood Education Master Teacher: Diversity
- C.S. Working with School Age Children

Electronics and Electrical Technology

- A.S. Electro Mechanical Technology
- C.S. Electro Mechanical Technician
- A.S. Electrical Technology
- C.A. Electrical Technology
- A.S. Electronics Technology

A.A. – ASSOCIATE IN ARTS

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C.A. – CERT. OF ACHIEVEMENT

C.S. – CERT. OF SPECIALIZATION

C.A. Electronics Technology
 C.S. Electronics Automation Technology
 C.S. Power and Instrumentation Certificate

Emergency Medical Services

C.A. Paramedic
 C.S. Emergency Medical Services
 C.S. Emergency Medical Services Hazardous Materials First Responder Operational
 C.S. Emergency Medical Services Technician Refresher
 C.S. Emergency Services

Emergency Medical Services - CAL FIRE

C.S. Basic 67 Hour Wildland Training
 C.S. Basic Fire Apparatus Pumping Operations
 C.S. Basic Wildland Bridge Training
 C.S. Confined Space Rescue Awareness
 C.S. Emergency Vehicle Operations - Fire Apparatus
 C.S. Fire Command 1A: Command Principles
 C.S. Fire Command 1B: Incident Management
 C.S. Fire Instructor 1A: Instructional Techniques
 C.S. Fire Instructor 1B: Instructional Techniques
 C.S. Fire Investigation 1A: Fire Origin and Cause Determination
 C.S. Fire Investigation 1B: Techniques of Fire Investigation
 C.S. Hazardous Materials First Responder & Decontamination
 C.S. Incident Command System Intermediate
 C.S. Introduction to Surf Rescue
 C.S. Low Angle Rope Rescue Operational
 C.S. Paid Call Firefighter Training
 C.S. Principles of Vehicle Extrication
 C.S. Rescue Systems 1: Basic Rescue Skills
 C.S. River and Flood Water Rescue

Engineering

A.S. Engineering
 C.A. Computer Aided Design/Drafting (CAD)
 C.S. AutoCAD – Level I
 C.S. AutoCAD – Level I and Engineering Drawing
 C.S. AutoCAD – Level II/ Inventor

English

A.A. English

English as a Second Language

C.S. English as a Second Language, Intermediate
 C.S. English as a Second Language, Advanced

Facilities

A.S. Facilities Technology Management
 C.A. Facilities Technology

Family Studies/Human Services

A.A. Family Studies/Human Services
 C.S. Addiction Studies
 C.S. Family Studies and Human Development
 C.S. Human Services

Fashion Design and Merchandising

A.A. Fashion Design
 C.A. Fashion Design
 A.A. Fashion Merchandising
 C.A. Fashion Merchandising

Geology

A.S. Geology

History

A.A. History

Hospitality

A.S. Hospitality
 C.A. Hospitality

Interior Design

A.A. Interior Design
 C.A. Interior Design

International Studies

A.A. International Studies

Journalism

A.A. Journalism

Liberal Arts–Areas of Emphasis

A.A. Liberal Arts (Non-Transfer): Arts, Humanities, and Communications
 A.A. Liberal Arts (Non-Transfer): Mathematics and Sciences
 A.A. Liberal Arts (Non-Transfer): Social and Behavioral Sciences
 A.A. Liberal Arts (Transfer): Arts, Humanities, and Communications
 A.A. Liberal Arts (Transfer): Mathematics and Sciences
 A.A. Liberal Arts (Transfer): Social and Behavioral Sciences
 C.A. CSU General Education
 C.A. IGETC General Education

Leadership

C.S. Leadership Studies
 C.S. Service Leadership

Legal Studies

A.A. Legal Studies: Business Emphasis
 A.A. Legal Studies: Social Science Emphasis

Library/Information Technology

A.S. Library/Information Technology
 C.A. Library/Information Technology

Mathematics

A.S. Mathematics

Medical Assisting

A.S. Medical Assisting
 C.A. Medical Assisting
 C.S. Medical Assisting
 C.S. Phlebotomy

Music

A.A. Jazz Studies
 A.A. Music Performance
 C.S. Audio Technology

Nursing Assistant

C.S. Nursing Assistant
 C.S. Nursing Assistant, Acute Care Nurse Assistant
 C.S. Nursing Assistant, EKG Monitor Observer

A.A. – ASSOCIATE IN ARTS

A.S. – ASSOCIATE IN SCIENCE

C.A. – CERT. OF ACHIEVEMENT

C.S. - CERT. OF SPECIALIZATION

Nursing, Licensed Vocational Nurse

C.A. Nursing, Licensed Vocational Nurse

C.S. Licensed Vocational Nurse, Basic Intravenous Therapy, Blood Transfusion, and Phlebotomy

Nursing, Registered

A.S. Nursing, Registered

C.A. Nursing, Registered

C.A. Nursing, Registered (30 Unit Option)

C.A. Nursing, Licensed Vocational Nurse

C.S. Licensed Vocational Nurse, Basic Intravenous Therapy, Blood Transfusion, and Phlebotomy

Nutrition

C.S. Nutrition

Paralegal

A.A. Paralegal

C.A. Paralegal

Paramedic

See Emergency Medical Services

Physical Education

A.S. Fitness, Health and Nutrition

C.A. Fitness, Health and Nutrition

A.S. Physical Education

C.S. Athletic Training

C.S. Personal Training

Physics

A.S. Physics

Political Science

A.A. Political Science

Psychiatric Technician

A.S. Psychiatric Technician

C.A. Psychiatric Technician

Psychology

A.S. Psychology

Recreation

A.A. Recreation Administration

Sociology

A.A. Sociology

C.S. Women's Studies

Transfer Studies

C.A. CSU General Education

C.A. IGETC General Education

Web Development Technologies

C.A. Web Development Technologies

Welding

A.S. Welding Technology

C.A. Welding Technology

C.S. Welding Technology

NON-CREDIT

C.C. Income Tax Preparation

C.C. Non Credit English as a Second Language

C.C. Non Credit Vocational English as a Second Language

C.C. Secondary Education

AGRICULTURAL TECHNOLOGY**C.S., VITICULTURE PRACTICES**

Required Courses (5 credits)

AGTC 105	Vineyard Pruning	.5
AGTC 110	Propagation Techniques	.5
AGTC 115	Vineyard Irrigation and Fertilization	1
AGTC 120	Vineyard Canopy Management	1
AGTC 130	Basic Viticulture	1
AGTC 135	Pest Control Management Update	.5
AGTC 140	Soil Fertility and Quality in Central Coast Viticulture	.5

C.S., VITICULTURE PRACTICES AND MAINTENANCE

Required Courses (17 credits)

AGTC 105	Vineyard Pruning	.5
AGTC 110	Propagation Techniques	.5
AGTC 115	Vineyard Irrigation and Fertilization	1
AGTC 120	Vineyard Canopy Management	1
AGTC 130	Basic Viticulture	1
AGTC 135	Pest Control Management Update	.5
AGTC 140	Soil Fertility and Quality in Central Coast Viticulture	.5
CTCH 250	Introduction to Construction	3
CTCH 168	Residential Plumbing	3
CTCH 169	Residential Wiring	3
WELD 270A	Basic Welding	3

ARCHITECTURAL TECHNOLOGY**A.S., ARCHITECTURAL TECHNOLOGY**

Required Courses (34.5 credits)

ARCH 201	Survey of Architectural Education and Practice	1.5
ARCH 232	Architectural Design & Presentation Computer Graphics	3
ARCH 221	Design and Visual Communication I	4
ARCH 222	Design and Visual Communication II	4
ARCH 244	Architectural Environment Control Systems	3
ARCH 230	Architectural Computer Aided Drafting and Design	3
ARCH 242	Introduction to Architectural Practice	3
ARCH 251	Architectural Design Fundamentals I	5
ARCH 252	Architectural Design Fundamentals II	5
CTCH 250	Introduction to Construction	3
Plus 9 units from the following:		
ARCH 202	Introduction to Architecture and Environmental Design	1.5
ARCH 205	Architectural Modelmaking	2
ARCH 245	Green Building with LEED Training	1
ARCH 254	Advanced Architectural Graphic Communication	2
CTCH 180A	Building Code I, Architectural Design Provisions	3
ENGR 125	AutoCAD	1
or ENGR 226	Engineering Drawing I	(4)
ENGR 227	Engineering Drawing II	3
ENGR 250	Engineering Statics	3
ENGR 252A	Strength of Materials I	2
and ENGR 252B	Strength of Materials II	2
ENGR 260	Structural Systems for Architects	3

C.A., ARCHITECTURAL TECHNOLOGY

Required Courses (21.5 credits)

ARCH 201	Survey of Architectural Education and Practice	1.5
ARCH 232	Architectural Design & Presentation Computer Graphics	3
ARCH 221	Design and Visual Communication I	4
ARCH 230	Architectural Computer Aided Drafting and Design	3
ARCH 242	Introduction to Architectural Practice	3
CTCH 250	Introduction to Construction	3
ENGR 226	Engineering Drawing I	4
Plus 6 units from the following:		
ARCH 202	Introduction to Architecture and Environmental Design	1.5
ARCH 222	Design and Visual Communication II	4
ARCH 213	Architecture Portfolio Presentation	2
ARCH 205	Architectural Modelmaking	2
ARCH 245	Green Building with LEED Training	1
ARCH 254	Advanced Architectural Graphic Communication	2
ENGR 227	Engineering Drawing II	3
MATH 125	Plane Geometry	3
MATH 126B	Intermediate Algebra-Part 2	5
MATH 127	Intermediate Algebra	5
MATH 229	Trigonometry	3
MATH 231	Trigonometry with Geometric Foundations	5
MATH 242	Precalculus Algebra	5
MATH 263	Precalculus Math	5
MATH 265A	Analytic Geometry and Calculus	5
MATH 265B	Analytic Geometry and Calculus	5

ART**A.A., ART HISTORY AND PROFESSIONAL PRACTICES**

A total of 21-23 credits are required for the degree. A minimum of 8 credits in Art including the Art Gallery credits must be earned at Cuesta College for an Art History and Professional Practices, A.A. Degree.

Required Courses (12-14 credits)

ART 203	Survey of Art History: Old Stoneage Through Gothic	3
ART 204	Survey of Art History: Renaissance Through 19th Century	3
ART 205	Survey of Art History: Modernism and Post-Modernism	3
ART 295	Art Gallery	3-5
Plus 9 credits from the following:		
ART 200	Art Appreciation	3
ART 206	Survey of Art History: Non-Western Art	3
ART 220	Fundamentals of 2-Dimensional Design	3
ART 229	Color	3
ART 243	Book Arts	3
ART 244	Photography	2-3
ART 253	Digital Art	2-3
ART 266	Graphic Design	2-3
ART 268	Typography	3
ART 270	Fundamentals of 3-Dimensional Design	3
ART 271	Beginning Sculpture	3

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.

A.A., ART STUDIO

A total of 21 credits are required for the degree. A minimum of 12 credits in Art must be earned at Cuesta College for an Art Studio, A.A. Degree.

Required Courses (11 credits)

ART 203	Survey of Art History: Old Stoneage Through Gothic	3
or ART 204	Survey of Art History: Renaissance Through 19th Century	(3)
or ART 205	Survey of Art History: Modernism and Post-Modernism	(3)
or ART 206	Survey of Art History: Non-Western Art	(3)
ART 220	Fundamentals of 2-Dimensional Design	3
or ART 270	Fundamentals of 3-Dimensional Design	(3)
ART 221	Beginning Drawing	2-3
ART 222	Intermediate Drawing	2-3
ART 253	Digital Art	2-3
ART 293	Portfolio Presentation	2-3
Plus 10 credits from the following:		
ART 220	Fundamentals of 2-Dimensional Design	3
ART 222	Intermediate Drawing	2-3
ART 223	Life Drawing	2-3
ART 224	Intermediate Life Drawing	2-3
ART 229	Color	3
ART 230	Beginning Painting	2-3
ART 231	Intermediate Painting	2-3
ART 232	Watercolor Painting	2-3
ART 233	Intermediate Watercolor Painting	2-3
ART 234	Figure Painting	2-3
ART 240	Introduction to Print Media	2-3
ART 241	Etching	2-3
ART 243	Book Arts	2-3
ART 244	Photography	2-3
ART 245	Intermediate Photography	2-3
ART 246	Camera Art	2
ART 247	Digital Video Editing	3
ART 248	Digital Video Effects	3
ART 249	Digital Photography	3
ART 253	Digital Art	2-3
ART 254	Intermediate Digital Art	3
ART 255	Adobe Illustrator: Art, Design, and Photography	1
ART 256	Adobe Photoshop: Art, Design, and Photography	1
ART 257	Digital Painting	1-3
ART 258	Adobe Indesign: Art, Design, and Photography	1-3
ART 260	Conceptual Blockbusting	3
ART 265	Adobe Flash: Art, Design, and Animation	3
ART 266	Graphic Design	2-3
ART 267	Intermediate Graphic Design	2-3
ART 268	Typography	3
ART 270	Fundamentals of 3-Dimensional Design	3
ART 271	Beginning Sulpture	2-3
ART 272	Intermediate Sulpture	2-3
ART 273	Figure Sculpture	2-3
ART 274	Sculpture Foundry	2-3
ART 280	Ceramics	2-3
ART 281	Ceramics	2-3
ART 282	Intermediate Ceramics	2-3
ART 283	Ceramic Sulpture	2-3
ART 284	Alternative and Primitive Firing Techniques in Ceramics	2-3
ART 295	Art Gallery	3-5

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.

C.S., GRAPHICS

Required Courses (17 credits)

ART 220	Fundamentals of 2-Dimensional Design	3
ART 221	Beginning Drawing	2
ART 229	Color	3
ART 253	Digital Art	3
ART 258	Adobe Indesign: Art, Design, and Photography	3
ART 266	Graphic Design	3

AUTOMOTIVE TECHNOLOGY**AUTOMOTIVE TECHNOLOGY A.S. DEGREES**

Students must pass a minimum of two certification tests for the National Institute of Automotive Service Excellence (ASE).

AUTOMOTIVE TECHNOLOGY CERTIFICATES OF PROFICIENCY

The program of study is designed to facilitate entry into a growing technology-oriented field or to upgrade those already working in the area of automotive mechanics. Nine specialized Certificates of Proficiency are offered in the area of Automotive Technology. In addition to the prescribed curriculum, a student must pass the certification test for The National Institute for Automotive Service Excellence (ASE) for that specialty area.

If the student has completed a high school automotive lab class, or has experience in the auto repair industry, the ATECH 166 Automotive Maintenance & Light Repair Course requirement has been satisfied; however, students may take the class if they wish.

A.S., ADVANCED ENGINE PERFORMANCE TECHNICIAN

Required Courses (54.5-55.5 credits)

ATCH 109	Introduction to Automotive Computers	2.5
ATCH 120	Automotive Ignition Systems	2
ATCH 125	Engine Performance	4
ATCH 127	Advanced Emissions Diagnostics	1
ATCH 152	Internal Combustion Engine	3
ATCH 158	Automotive Electricity and Electronics	4
ATCH 160	Automotive Electrical Accessories	4
ATCH 164	Basic Clean Air Car Course	3
ATCH 187	Automotive Fuel Injection and Turbochargers	3
ATCH 188	Automotive Heating and Air Conditioning	3
CIS 210	Introduction to Computer Applications	4
EET 213	Electronics Fundamentals	6
ENGL 165	Basic Technical Communications	4
MATH 124A	Technical Math	5
or MATH 127	Intermediate Algebra	(5)
PSCI 201A	Physical Science: Physics and Chemistry	3
WELD 270A	Basic Welding	3-4

A.S., AUTO BODY TECHNICIAN

Required Courses (53.5-55.5 credits)

ATCH 160	Automotive Electrical Accessories	4
ATCH 168	Automotive Repair Business	3
ATCH 170	Auto Body Repair I	3
ATCH 171	Advanced Auto Body	3
or ATCH 177	Advanced Auto Painting	(3)
ATCH 175	Automotive Painting	5
ATCH 284	Braking Systems	4
ATCH 186	Chassis and Suspension Systems	3
ATCH 188	Automotive Heating and Air Conditioning	3
ATCH 109	Introduction to Automotive Computers	2.5

CIS 210	Introduction to Computer Applications	4	ATCH 168	Automotive Repair Business	3
ENGL 165	Basic Technical Communications	4	ATCH 284	Braking Systems	4
MATH 124A	Technical Math	5	ATCH 109	Introduction to Automotive Computers	2.5
or MATH 127	Intermediate Algebra	(5)	Plus 8 credits from the following:		
PSCI 201A	Physical Science: Physics and Chemistry	3	ENGL 165	Basic Technical Communications	4
WELD 270A	Basic Welding	3-4	MATH 124A	Technical Math	5
WELD 270C	Welding GMAW & GTAW	3-4	or MATH 227	Intermediate Algebra	(5)
			PSCI 1A	Physical Science: Physics and Chemistry	3

C.A., AUTO BODY TECHNICIAN

Required Courses (17 credits)

ATCH 160	Automotive Electrical Accessories	4
ATCH 166	Automotive Maintenance and Light Repair	2
ATCH 168	Automotive Repair Business	3
ATCH 170	Auto Body Repair I	3
ATCH 175	Automotive Painting	5
Plus 8 credits from the following:		
ENGL 165	Basic Technical Communications	4
MATH 124A	Technical Math	5
or MATH 127	Intermediate Algebra	(5)
PSCI 201A	Physical Science: Physics and Chemistry	3

A.S., AUTOMOTIVE TECHNICIAN

Required Courses (55.5-56.5 credits)

ATCH 152	Internal Combustion Engine	3
ATCH 153	Engine Overhaul Procedure	3
ATCH 158	Automotive Electricity and Electronics	4
ATCH 168	Auto Repair Business	3
ATCH 280	Manual Drivetrains	3
ATCH 281	Manual Transmissions	3
ATCH 182	Automatic Transmissions	4
ATCH 284	Braking Systems	4
ATCH 186	Chassis and Suspension Systems	3
ATCH 188	Automotive Heating and Air Conditioning	3
ATCH 109	Introduction to Automotive Computers	2.5
CIS 210	Introduction to Computer Applications	4
ENGL 165	Basic Technical Communications	4
MATH 124A	Technical Math	5
or MATH 127	Intermediate Algebra	(5)
PSCI 201A	Physical Science: Physics and Chemistry	3
WELD 270A	Basic Welding	3-4

C.A., AUTOMATIC TRANSMISSION/TRANSAXLE SPECIALIST

Required Courses (17 credits)

ATCH 160	Automotive Electrical Accessories	4
ATCH 168	Automotive Repair Business	3
ATCH 280	Manual Drivetrains	3
ATCH 281	Manual Transmissions	3
ATCH 182	Automatic Transmissions	4
Plus 8 credits from the following:		
ENGL 165	Basic Technical Communications	4
MATH 124A	Technical Math	5
or MATH 127	Intermediate Algebra	(5)
PSCI 201A	Physical Science: Physics and Chemistry	3

C.A., BRAKES SPECIALIST

Required Courses (15.5 credits)

ATCH 160	Automotive Electrical Accessories	4
ATCH 166	Automotive Maintenance and Light Repair	2

C.A., CHASSIS AND SUSPENSION SPECIALIST

Required Courses (16 credits)

ATCH 160	Automotive Electrical Accessories	4
ATCH 166	Automotive Maintenance and Light Repair	2
ATCH 168	Automotive Repair Business	3
ATCH 284	Braking Systems	4
ATCH 186	Chassis and Suspension Systems	3
Plus 8 credits from the following:		
ENGL 165	Basic Technical Communications	4
MATH 124A	Technical Math	5
or MATH 127	Intermediate Algebra	(5)
PSCI 1A	Physical Science: Physics and Chemistry	3

C.A., ELECTRICAL SYSTEMS SPECIALIST

Required Courses (15.5 credits)

ATCH 158	Automotive Electricity and Electronics	4
ATCH 160	Automotive Electrical Accessories	4
ATCH 166	Automotive Maintenance and Light Repair	2
ATCH 168	Automotive Repair Business	3
ATCH 109	Introduction to Automotive Computers	2.5
Plus 8 credits from the following:		
ENGL 165	Basic Technical Communications	4
MATH 124A	Technical Math	5
or MATH 127	Intermediate Algebra	(5)
PSCI 201A	Physical Science: Physics and Chemistry	3

C.A., ENGINE PERFORMANCE SPECIALIST

Required Courses (25.5 credits)

ATCH 152	Internal Combustion Engines	3
ATCH 158	Automotive Electricity and Electronics	4
ATCH 164	Basic Clean Air Car Course	3
ATCH 168	Automotive Repair Business	3
ATCH 187	Automotive Fuel Injection and Turbochargers	3
ATCH 109	Introduction to Automotive Computers	2.5
ATCH 120	Automotive Ignition Systems	2
ATCH 125	Engine Performance	4
ATCH 127	Advanced Emissions Diagnostics	1

C.A., ENGINE REPAIR SPECIALIST

Required Courses (22 credits)

ATCH 152	Internal Combustion Engines	3
ATCH 153	Engine Overhaul Procedures	3
ATCH 158	Automotive Electricity and Electronics	4
ATCH 164	Basic Clean Air Car Course	3
ATCH 166	Automotive Maintenance and Light Repair	2
ATCH 168	Automotive Repair Business	3
ATCH 125	Engine Performance	4
Plus 4 credits from the following:		
ENGL 165	Basic Technical Communications	4
MATH 124A	Technical Math	5

or MATH 127	Intermediate Algebra	(5)
PSCI 201A	Physical Science: Physics and Chemistry	3

C.A., HEATING AND AIR CONDITIONING SPECIALIST

Required Courses (17.5 credits)

ATCH 152	Internal Combustion Engines	3
ATCH 160	Automotive Electrical Accessories	4
ATCH 166	Automotive Maintenance and Light Repair	2
ATCH 168	Automotive Repair Business	3
ATCH 188	Automotive Heating and Air Conditioning	3
ATCH 109	Introduction to Automotive Computers	2.5

Plus 8 credits from the following:

ENGL 165	Basic Technical Communications	4
MATH 124A	Technical Math	5
or MATH 127	Intermediate Algebra	(5)
PSCI 201A	Physical Science: Physics and Chemistry	3

C.A., MANUAL DRIVETRAINS AND AXLES SPECIALIST

Required Courses (15 credits)

ATCH 160	Automotive Electrical Accessories	4
ATCH 166	Automotive Maintenance and Light Repair	2
ATCH 168	Automotive Repair Business	3
ATCH 280	Manual Drivetrains	3
ATCH 281	Manual Transmissions	3

Plus 8 credits from the following:

ENGL 165	Basic Technical Communications	4
MATH 124A	Technical Math	5
or MATH 127	Intermediate Algebra	(5)
PSCI 201A	Physical Science: Physics and Chemistry	3

BASIC SKILLS

C.S., BASIC SKILLS

Required Courses (8.5 credits)

ACSK 120	Learning Essentials for College Success	1.5
ENGL 099	Basic Reading and Writing	4
MATH 007	Pre-Algebra	3

Plus 4.5 units from the following:

ACSK 005	Academic Support Lab	.5-1
ACSK 030A	Introduction to Phonetic Foundations	3.5
ACSK 030B	Advanced Phonetic Foundations	3.5
ACSK 032	Reading Comprehension	2
ACSK 034	Building Reading Essentials	3
ACSK 036	Reading Essentials	3
ACSK 050	Writing Fundamentals	3
ACSK 055	Spelling Essentials	3
ACSK 058	Grammar Essentials	1.5
ACSK 075	Arithmetic Fundamentals	4
ACSK 010	Keyboarding for Computer Access	.5-1
CAOA 120A	Beginning Computer Keyboarding	3
COUN 156	Student Success	1
COUN 261	Career Skills and Job Shadowing	1
MATH 003	Arithmetic	3

BIOLOGY

A.S., BIOLOGICAL SCIENCE

Required Courses (10 credits)

BIO 201A	Biology	5
BIO 202	General Botany	5
or BIO 203	General Zoology	(5)

Plus 32 credits from the following:

BIO 201B	Biology	5
BIO 204	General Bacteriology	5
BIO 205	Human Anatomy	4
BIO 206	General Human Physiology	5
BIO 208G	Biology Seminar: General Topics	1
BIO 209C	Coastal Biology Field Studies	1
BIO 209D	Desert Biology Field Studies	1
BIO 209H	Hawaiian Biology Field Studies	1-3
BIO 209S	Sierra Biology Field Studies	1
BIO 210E	Natural History of the Eastern California Mountains & Deserts	2
BIO 210R	Natural History of the Coast Ranges	2
BIO 210V	Natural History of Death Valley National Park	2
BIO 212	Human Biology	3
BIO 212L	Human Biology Lab	1
BIO 213	Genetics and Society	3
BIO 220	Environmental Biology	3
or BIO 220	Environmental Biology	(3)
and BIO 220L	Environmental Biology Lab	(1)
BIO 221	Concepts of Ecology	3
BIO 222	Introduction to Marine Science	3
and BIO 222L	Introduction to Marine Science Laboratory	1
BIO 224	Principles of Natural History	3
BIO 247	Independent Studies	.5-2

INSTRUCTION

BROADCAST COMMUNICATIONS

A.A., BROADCAST COMMUNICATIONS

Required Courses (19 credits)

BCST 221	Introduction to Broadcasting	3
BCST 223	Video Operations	3
BCST 224A	Basic Audio Production	3
BCST 225A	Video Studio Production	3
BCST 226	Media Writing	3
ENGL 201A	English Composition	4

Plus 3 credits from the following:

BCST 224B	Advanced Audio Production	3
BCST 224C	Advanced Audio Production	3
BCST 224D	Advanced Audio Production	3
BCST 225B	Field Video Production and Editing	3
BCST 230A	Television Internship	3
BCST 230B	Television Internship	3
BCST 230C	Television Internship	3
BCST 230D	Television Internship	3

BUSINESS

A.A., BUSINESS ADMINISTRATION

Required Courses (37-40 credits)

BUS 201A	Principles of Accounting	4
BUS 201B	Principles of Accounting	4
BUS 218	Business Law	3
or BUS 219	International Business Law	(3)

BUS 245	Introduction to Business	3	BUS 162	Geography for International Business	3
BUS 283	Management and Supervision	3	BUS 164	International Trade Relations	3
BUS 286	Human Relations	3	BUS 165	Basic of Exporting and Importing	2
CAOA 261	Introduction to Spreadsheets	3	BUS 168	International Marketing	3
CAOA 264	Introduction to Database Management	3	BUS 283	Management and Supervisor	3
CIS 210	Introduction to Computer Applications	4	or BUS 286	Human Relations	(3)
ECON 201A	Principles of Economics	3	CIS 210	Introduction to Computer Application	4
ECON 201B	Principles of Economics	3	ECON 211	Global Economics	3
WEXP 151	Cooperative Work Experience		2 semesters	Foreign Language (French, German, Spanish)	8
	Education - General	.5	PEAC 283	Golf (2 semesters)	2

and WEXP 151L Cooperative Work Experience
Education Lab - General .5-2.5

or WEXP 252 Cooperative Work Experience
Education - Occupational (.5)

and WEXP 252L Cooperative Work Experience Education
Lab - Occupational (.5-3.5)

Plus 3 credits from the following:

BUS 170 Dealing With Change .5

BUS 171 Team Building .5

BUS 172 Communicating With People .5

BUS 173 Conflict Resolution .5

BUS 174 Customer Service .5

BUS 175 Values and Ethics .5

BUS 176 Attitude in the Workplace .5

BUS 177 Stress Management .5

BUS 178 Decision Making & Problem Solving .5

BUS 179 Time Management .5

C.A., BUSINESS ADMINISTRATION

Required Courses (20 credits)

BUS 201A Principles of Accounting 4

or ECON 201A Principles of Economics (3)

BUS 243 Marketing 3

BUS 245 Introduction to Business 3

BUS 283 Management and Supervision 3

CAOA 123 Business English 3

or SPCM 201A Public Address (3)

CIS 10 Introduction to Computer Applications 4

Plus 6 credits from the following:

BUS 218 Business Law 3

BUS 241 Sales 3

BUS 248 Small Business Management 3

BUS 249 Entrepreneurship 4

BUS 260 International Business 3

BUS 286 Human Relations 3

WEXP 151 Cooperative Work Experience

Education - General .5

and WEXP 151L Cooperative Work Experience

Education Lab - General .5-2.5

or WEXP 252 Cooperative Work Experience

Education - Occupational (.5)

and WEXP 252L Cooperative Work Experience

Education Lab - Occupational (.5-3.5)

A.A., INTERNATIONAL BUSINESS

Required Courses (43 credits)

BUS 201A Principles of Accounting 4

BUS 219 International Business Law 3

BUS 245 Introduction to Business 3

BUS 260 Introduction to International Business 3

BUS 162	Geography for International Business	3
BUS 164	International Trade Relations	3
BUS 165	Basic of Exporting and Importing	2
BUS 168	International Marketing	3
BUS 283	Management and Supervisor	3
or BUS 286	Human Relations	(3)
CIS 210	Introduction to Computer Application	4
ECON 211	Global Economics	3
2 semesters	Foreign Language (French, German, Spanish)	8
PEAC 283	Golf (2 semesters)	2

C.S., INTERNATIONAL BUSINESS

Required Courses (16 credits)

BUS 219 International Business Law 3

BUS 260 Introduction to International Business 3

BUS 164 International Trade Relations 3

BUS 168 International Marketing 3

Foreign Language: French, German, or Spanish 4

A.A., MANAGEMENT

Required Courses (16 credits)

BUS 201A Principles of Accounting 4

BUS 245 Introduction to Business 3

BUS 260 International Business 3

BUS 283 Management and Supervision 3

BUS 286 Human Relations 3

Plus 10 credits from the following:

BUS 130 Introduction to E-Commerce 3

BUS 131 E-Commerce: Social Media Management 3

BUS 134 E-Commerce: Entrepreneurship 4

BUS 173 Conflict Resolution .5

BUS 175 Values and Ethics .5

BUS 176 Attitudes in the Workplace .5

BUS 218 Business Law 3

BUS 243 Marketing 3

BUS 248 Small Business Management 3

BUS 249 Entrepreneurship 4

CAOA 261 Introduction to Spreadsheets 3

CAOA 264 Introduction to Database Management 3

CIS 210 Introduction to Computer Applications 4

C.S., SUPERVISION

Required Courses (13-16 credits)

BUS 283 Management and Supervision 3

BUS 286 Human Relations 3

or BUS 196 Workplace Human Relations (2)

CAOA 123 Business English 3

FMST 205 Life Management 3

WEXP 151 Cooperative Work Experience

Education - General .5

and WEXP 151L Cooperative Work Experience

Education Lab - General .5-2.5

or WEXP 252 Cooperative Work Experience

Education - Occupational (.5)

and WEXP 252L Cooperative Work Experience

Education Lab - Occupational (.5-3.5)

C.S., CUSTOMER SERVICE

Required Courses (5 credits)

BUS 170	Dealing with Change	.5
BUS 171	Team Building	.5
BUS 172	Communicating With People	.5
BUS 173	Conflict Resolution	.5
BUS 174	Customer Service	.5
BUS 175	Values and Ethics	.5
BUS 176	Attitude in the Workplace	.5
BUS 177	Stress Management	.5
BUS 178	Decision Making & Problem Solving	.5
BUS 179	Time Management	.5

A.A., MARKETING

Required Courses (12 credits)

BUS 240	Advertising	3
BUS 241	Sales	3
BUS 243	Marketing	3

Plus 12 credits from the following:

BUS 130	Introduction to E-Commerce	3
BUS 132	E-Commerce: Information Products	3
BUS 133	E-Commerce: Physical Products	3
BUS 134	E-Commerce: Entrepreneurship	4
BUS 135	Everything E-Bay	3
BUS 170	Dealing with Change	.5
BUS 171	Team Building	.5
BUS 172	Communicating with People	.5
BUS 173	Conflict Resolution	.5
BUS 174	Customer Service	.5
BUS 175	Values and Ethics	.5
BUS 176	Attitude in the Workplace	.5
BUS 177	Stress Management	.5
BUS 178	Decision Making	.5
BUS 179	Time Mangement	.5
BUS 245	Introduction to Business	3
BUS 248	Small Business Mangement	3
BUS 249	Entrepreneurship	4
CAOA 167	PowerPoint	1
CAOA 227	Business Communications	4
CAOA 261	Introduction to Spreadsheets	3
CAOA 264	Introduction to Database Management	3
CAOA 265	Adobe InDesign: Business Applications	3
CAOA 269	Introduction to Web Publishing: Dreamweaver	3
CIS 210	Introduction to Computer Applications	4
MATH 247	Introduction to Statistics	4
JOUR 201A	News Writing & Reporting	3
JOUR 201B	Intro to Mass Communications	3
SPCM 201A	Speech Communications	3
SPCM 212	Intercultural Communications	3

CHEMISTRY

A.S., CHEMISTRY

Required Courses (25-28 credits)

CHEM 201A	General College Chemistry	5
CHEM 201B	General College Chemistry	5
CHEM 212A	Organic Chemistry	5
CHEM 212B	Organic Chemistry	5
MATH 263*	Pre-Calculus Mathematics	5

or MATH 242*	Precalculus Algebra	(5)
and MATH 229*	Trigonometry	(3)

* Any course for which Mathematics 263 is a prerequisite may be substituted.

COMPUTER APPLICATIONS/OFFICE ADMINI.

A.A., COMPUTER APPLICATIONS/OFFICE ADMINISTRATION

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)

BUS 201B	Principles of Accounting	4
or CAOA 252	Computerized Accounting Using QuickBooks Pro	(3)
BUS 251	Elements of Accounting	4
or BUS 201A	Principles of Accounting	(4)
or PLGL 101	Introduction to Law Office Procedures for Paralegals	(3)
CAOA 120B	Intermediate Computer Keyboarding and Document Processing	3
CAOA 123	Business English	3
CAOA 225	Business Calculations	3
CAOA 126	Voice Recognition Software with Document Applications	3
or CAOA 250	Advanced Word Processing: Microsoft Word	(3)
CAOA 227	Business Communications	4
CAOA 128	Office Technology and Telecommunications	3
CAOA 129	Computer Applications/Office Administration Internship	3
CAOA 246	Beginning Word Processing: Microsoft Word	3
CAOA 160	Microcomputer Operations	3
CAOA 261	Introduction to Spreadsheets	3
CAOA 264	Introduction to Database Management	3
CAOA 265	Adobe InDesign	3
or CAOA 250	Advanced Word Processing: Microsoft Word	(3)
or CAOA 167	PowerPoint	(1)
and CAOA 153	Essentials of MS Publisher	(2)
or CAOA 268	Introduction to Photoshop	(3)

C.A., ADMINISTRATIVE ASSISTANT

Required Courses (29.5-30.5 credits)

BUS 251	Elements of Accounting	4
or BUS 201A	Principles of Accounting	(4)
CAOA 120B	Intermediate Computer Keyboarding and Document Processing	3
CAOA 123	Business English	3
CAOA 225	Business Calculations	3
CAOA 126	Voice Recognition Software with Document Applications	3
or CAOA 250	Advanced Word Processing: Microsoft Word	(3)
CAOA 227	Business Communications	4
CAOA 128	Office Technology and Telecommunications	3
CAOA 129	Computer Applications/Office Administration Internship	.5
CAOA 246	Beginning Word Processing: Microsoft Word	3
CAOA 252	Computerized Accounting Using QuickBooks Pro	3
or BUS 201B	Principles of Accounting	(4)

Plus 9 credits from the following:

INSTRUCTION

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

* If not used for required credits.

C.A., COMPUTER OFFICE SUPPORT AND MAINTENANCE SPECIALIST

Required Courses (25 credits)

CAOA 154	Essentials of MS Outlook	2
CAOA 167	PowerPoint	1
CAOA 246	Beginning Word Processing: Microsoft Word	3
CAOA 250	Advanced Word Processing: Microsoft Word	3
CAOA 261	Introduction to Spreadsheets	3
CAOA 264	Introduction to Database Management	3
CAOA 266	Introduction to Computer Basics	1
CAOA 269	Introduction to Web Publishing: Dreamweaver	3
CNET 221	Operating Systems Concepts I	3
or CIS 201	Introduction to Computer Science	(3)
CNET 253	Microcomputer Fundamentals for Technicians	3

C.A., OFFICE PROFESSIONAL

Required Courses (25.5 credits)

CAOA 120B	Intermediate Computer Keyboarding and Document Processing	3
CAOA 123	Business English	3
CAOA 126	Voice Recognition Software with Document Applications	3
CAOA 227	Business Communications	4
CAOA 128	Office Technology and Telecommunications	3
CAOA 129	Computer Applications/Office Administration Internship	.5
CAOA 246	Beginning Word Processing: Microsoft Word	3
CAOA 250	Advanced Word Processing: Microsoft Word	3
Plus 12 credits from the following:		
BUS 251	Elements of Accounting	4
BUS 286	Human Relations	3
CAOA 120A	Beginning Computer Keyboarding and Document Processing	3
CAOA 153	Essentials of MS Publisher	2
CAOA 154	Essentials of MS Outlook	2
CAOA 156	Test Prep for Microsoft Office Specialist (MOS) Certification	.5

CAOA 160	Microcomputer Operations	3
CAOA 261	Introduction to Spreadsheets	3
CAOA 162	Introduction to Beginning Computer Keyboarding	1
CAOA 264	Introduction to Database Management	3
CAOA 265	Adobe InDesign	3
CAOA 266	Introduction to Computer Basics	1
CAOA 167	PowerPoint	1
CAOA 268	Introduction to Photoshop	3
CAOA 168A	Photoshop-Level 2	1.5
CAOA 269	Introduction to Web Publishing: Dreamweaver	3
CAOA 271	Introduction to Flash: Business Applications	1.5-3
CAOA 172	Photoshop Elements	1.5
CAOA 173	Adobe Acrobat	1.5

C.A., WORD PROCESSING

Required Courses (28 credits)

CAOA 120B	Intermediate Computer Keyboarding and Document Processing	3
CAOA 123	Business English	3
CAOA 126	Voice Recognition Software with Document Applications	3
CAOA 227	Business Communications	4
CAOA 128	Office Technology and Telecommunications	3
CAOA 129	Computer Applications/Office Administration Internship	3
CAOA 246	Beginning Word Processing: Microsoft Word	3
CAOA 250	Advanced Word Processing: Microsoft Word	3
CAOA 160	Microcomputer Operations	3
Plus 10 credits from the following:		
BUS 251	Elements of Accounting	4
BUS 286	Human Relations	3
CAOA 120A	Beginning Computer Keyboarding and Document Processing	3
CAOA 225	Business Calculation	3
CAOA 246*	Beginning Word Processing: Microsoft Word	3
CAOA 153	Essentials of MS Publisher	2
CAOA 154	Essentials of MS Outlook	2
CAOA 156	Test Prep for Microsoft Office Specialist (MOS) Certification	.5
CAOA 261	Introduction to Spreadsheets	3
CAOA 162	Introduction to Beginning Computer Keyboarding	1
CAOA 264	Introduction to Database Management	3
CAOA 265	Adobe InDesign	3
CAOA 266	Introduction to Computer Basics	1
CAOA 167	PowerPoint	1
CAOA 268	Introduction to Photoshop	3
CAOA 168A	Photoshop-Level 2	1.5
CAOA 269	Introduction to Web Publishing: Dreamweaver	3
CAOA 271	Introduction to Flash: Business Applications	1.5-3
CAOA 172	Photoshop Elements	1.5
CAOA 173	Adobe Acrobat	1.5

* If not used for required credits.

C.A., ACCOUNTING CLERK/BOOKKEEPER

Required Courses (19.5 credits)

BUS 251	Elements of Accounting	4
CAOA 123	Business English	3
CAOA 225	Business Calculations	3
CAOA 128	Office Technology and Telecommunications	3

CAOA 129	Computer Applications/Office Administration Internship	.5
CAOA 252	Computerized Accounting Using QuickBooks Pro	3
CAOA 261	Introduction to Spreadsheets	3
Plus 3 credits from the following:		
CAOA 120A	Beginning Computer Keyboarding and Document Processing	3
CAOA 120B	Intermediate Computer Keyboarding and Document Processing	3
CAOA 160	Microcomputer Operations	3

C.A., BUSINESS COMMUNICATIONS

Required Courses (26.5 credits)

CAOA 120B	Intermediate Computer Keyboarding and Document Processing	3
CAOA 123	Business English	3
CAOA 225	Business Calculations	3
CAOA 126	Voice Recognition Software with Document Applications	3
CAOA 227	Business Communications	4
CAOA 128	Office Technology and Telecommunications	3
CAOA 129	Computer Applications/Office Administration Internship	.5
CAOA 246	Beginning Word Processing: Microsoft Word	3
CAOA 250	Advanced Word Processing: Microsoft Word	3
CAOA 167	PowerPoint	1

C.S., DESKTOP PUBLISHING

Required Courses (13.5 credits)

ART 220	Fundamentals of 2-Dimensional Design	3
CAOA 250	Advanced Word	3
CAOA 265	Adobe InDesign	3
CAOA 268	Introduction to Photoshop	3
or CAOA 269	Introduction to Web Publishing: Dreamweaver	(3)
CAOA 173	Adobe Acrobat	1.5
Plus 3 credits from the following:		
CAOA 153	Essentials of MS Publisher	2
CAOA 168A	Photoshop-Level 2	1.5
CAOA 172	Photoshop Elements	1.5
CAOA 270	Intermediate Web Publishing: Dreamweaver	3
CAOA 271	Using Flash for Business Applications	3

C.A., COMPUTER APPLICATIONS

Required Courses (16 credits)

CAOA 246	Beginning Word Processing: Microsoft Word	3
CAOA 250	Advanced Word Processing: Microsoft Word	3
CAOA 261	Introduction to Spreadsheets	3
CAOA 264	Introduction to Database Management	3
CAOA 265	Adobe InDesign	3
or CAOA 167	PowerPoint	(1)
and CAOA 153	Essentials of MS Publisher	(2)
or CAOA 268	Introduction to Photoshop	(3)
or CAOA 269	Introduction to Web Publishing: Dreamweaver	(3)
CAOA 266	Introduction to Computer Basics	1
Plus 3 credits from the following:		
CAOA 120A	Beginning Computer Keyboarding and Document Processing	3
CAOA 120B	Intermediate Computer Keyboarding and Document Processing	3

CAOA 271	Using Flash for Business Applications	3
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C.A., DOCUMENT PROCESSING

Required Courses (16 credits)

CAOA 123	Business English	3
CAOA 125	Business Calculations	1
CAOA 128	Office Technology and Telecommunications	3
CAOA 129	Computer Applications/Office Administration Internship	3
CAOA 246	Beginning Word Processing: Microsoft Word	3
CAOA 250	Advanced Word Processing: Microsoft Word	3
Plus 1-3 credits from the following:		
CAOA 120A	Beginning Computer Keyboarding and Document Processing	3
CAOA 120B	Intermediate Computer Keyboarding and Document Processing	3
CAOA 162	Introduction to Beginning Computer Keyboarding	1
CAOA 173	Adobe Acrobat	1.5
CAOA 266	Introduction to Computer Basics	1

COMPUTER INFORMATION SYSTEMS

A.S., COMPUTER INFORMATION SYSTEMS, PROGRAMMING

Required Courses (44 credits)

BUS 201A	Principles of Accounting	4
BUS 245	Introduction to Business	3
BUS 283	Management and Supervision	3
CIS 210	Introduction to Computer Applications	4
CIS 212	Beginning COBOL Programming	3
CIS 217	"C" Programming Language	3
CIS 219	Object Oriented Programming - C++	3
or CIS 218	C# .NET Programming	(3)
CIS 231	Fundamentals of Computer Science I	4
CIS 232	Fundamentals of Computer Science II	2
CIS 233	Fundamentals of Computer Science III	2
CIS 214	Introduction to Visual Basic	3
ECON 201A	Principles of Economics	3
ENGL 210	Technical Communication	4
BUS 218	Business Law	3

C.S., INTERNET APPLICATIONS DEVELOPER

Required Courses (17 credits)

CAOA 264	Introduction to Database Management	3
CIS 214	Introduction to Visual Basic	3
CIS 115	Visual Basic for Internet Application	3
CIS 141	Data Base Administration	4
LIBT 106	Introduction to the Internet	1
LIBT 107	Web Page Development with XHTML	3

A.S., COMPUTER SCIENCE

Required Courses (35 credits)

CIS 231	Fundamentals of Computer Science I	4
CIS 232	Fundamentals of Computer Science II	2
CIS 233	Fundamentals of Computer Science III	2
CIS 240	Microcomputer Architecture & Programming	3
or CIS 241	Discrete Structures	(3)
CHEM 201A	General College Chemistry	5

INSTRUCTION

and CHEM 201B	General College Chemistry	5
or PHYS 208A	Principles of Physics	(5)
and PHYS 208B	Principles of Physics	(5)
ENGR 219	Logic and Switching Circuits	4
MATH 265A	Analytic Geometry and Calculus	5
MATH 265B	Analytic Geometry and Calculus	5
Plus 3 units from the following:		
CIS 217	"C" Programming Language	3
CIS 219	Object Oriented Programming - C++	3
CIS 218	C# .NET Programming	3
CIS 240*	Microcomputer Architecture & Programming	3
CIS 241*	Discrete Structures	3
ENGR 217	Introduction to Electronic Circuit Analysis	4
ENGR 245	Materials Engineering	3
ENGR 250	Engineering Statics	3

* If not used for required credits.

A.S., MANAGEMENT INFORMATION SYSTEMS

Required Courses (36-39 credits)		
BUS 201A	Principles of Accounting	4
BUS 201B	Principles of Accounting	4
BUS 218	Business Law	3
CIS 231	Fundamentals of Computer Science I	4
and CIS 232	Fundamentals of Computer Science II	2
or CIS 214	Introduction to Visual Basic	(3)
and CIS 115	Visual Basic for Internet Application	(3)
ECON 201A	Principles of Economics	3
ECON 201B	Principles of Economics	3
MATH 149	Statistics for Business	5
MATH 255	Calculus for Business and Management	3
Plus 5 units from the following:		
CIS 212	Beginning COBOL Programming	3
CIS 217	"C" Programming Language	3
CIS 219	Object Oriented Programming - C++	3
CIS 218	C# .NET Programming	3
CIS 231*	Fundamentals of Computer Science I	4
CIS 232*	Fundamentals of Computer Science II	2
CIS 233	Fundamentals of Computer Science III	2
CIS 240	Microcomputer Architecture & Programming	3
CIS 214*	Introduction to Visual Basic	3
CIS 115*	Visual Basic for Internet Application	3

* If not used for required credits

A.S., VISUAL BASIC/DATABASE ADMINISTRATION

Required Courses (38 credits)		
BUS 201A	Principles of Accounting	4
BUS 245	Introduction to Business	3
BUS 283	Management and Supervision	3
CAOA 261	Introduction to Spreadsheets	3
CAOA 264	Introduction to Database	3
CIS 231	Fundamentals of Computer Science I	4
CIS 232	Fundamentals of Computer Science II	2
CIS 214	Introduction to Visual Basic	3
CIS 115	Visual Basic for Internet Application	3
ECON 201A	Principles of Economics	3
ENGL 210	Technical Communication	4
BUS 218	Business Law	3

COMPUTER AND NETWORKING TECH

A.S., COMPUTER AND NETWORKING TECHNOLOGY

Required Courses (45 credits)		
BUS 286	Human Relations	3
CNET 218	Wireless Network Communication and Administration	4
CNET 221	Operating Systems Concepts I	3
CNET 253	Microcomputers Fundamentals for Technicians	3
CNET 254	Server Maintenance and Administration	4
CNET 255	Network Cabling Certification	2
CNET 256	Fiber Network Cabling Certification	2
CNET 260	Networking Fundamentals	2
CNET 261	Router Theory and Technology	2
CNET 262	Advanced Routing and Switching	2
CNET 263	Wide Area Networking	2
EET 111	Laboratory Techniques I	1
EET 213	Electronics Fundamentals	6
EET 216	Digital Circuits	4
MATH 126A	Intermediate Algebra-Part 1	5
or MATH 127	Intermediate Algebra	(5)

C.A., COMPUTER AND NETWORK MAINTENANCE

Required Courses (18 credits)		
CNET 221	Operating Systems Concepts I	3
CNET 260	Networking Fundamentals	2
CNET 261	Router Theory and Technology	2
CNET 253	Microcomputer Fundamentals for Technicians	3
CNET 254	Server Maintenance and Administration	4
CNET 255	Network Cabling Certification	2
CNET 256	Fiber Network Cabling Certification	2

A.S., COMPUTER NETWORK ADMINISTRATION

Required Courses (37 credits)		
BUS 286	Human Relations	3
CNET 221	Operating Systems Concepts I	3
CNET 253	Microcomputer Fundamentals for Technicians	3
CNET 254	Server Maintenance and Administration	4
CNET 260	Networking Fundamentals	2
CNET 261	Router Theory and Technology	2
CNET 262	Advanced Routing and Switching	2
CNET 263	Wide Area Networking	2
EET 111	Laboratory Techniques I	1
EET 213	Electronics Fundamentals	6
ENGL 165	Basic Technical Communication	4
MATH 127	Intermediate Algebra	5
Plus 6-7 credits from the following:		
CAOA 261	Introduction to Spreadsheets	3
CAOA 264	Introduction to Database Management	3
CIS 141	Database System Administration	4
CIS 143	Web Site Administration	4
CIS 213	Beginning Basic Programming	3
CIS 214	Introduction to Visual Basic	3
CIS 217	"C" Programming Language	3
CIS 219	Object Oriented Programming - C++	3
CIS 231	Fundamentals of Computer Science I	4
CNET 122	Introduction to Linux	3

CNET 220	Microcomputer Architecture and Programming	4
LIBT 111	Javascript Fundamentals	1
LIBT 207	Web Page Development with XHTML	3

C.A., COMPUTER NETWORKING SPECIALIST

Required Courses (29 credits)

CNET 221	Operating System Concepts I	3
CNET 260	Networking Fundamentals	2
CNET 261	Router Theory and Technology	2
CNET 262	Advanced Routing and Switching	2
CNET 263	Wide Area Networking	2
CNET 253	Microcomputer Fundamentals for Technicians	3
CNET 254	Server Maintenance and Administration	4
EET 213	Electronics Fundamentals	6
MATH 127	Intermediate Algebra	5

C.S., COMPUTER REPAIR

Required Courses (10 credits)

CNET 221	Operating Systems Concepts I	3
CNET 253	Microcomputer Fundamentals for Technicians	3
CNET 254	Server Maintenance and Administration	4

CONSTRUCTION TECHNOLOGY

A.S., CONSTRUCTION TECHNOLOGY

Required Courses (34 credits)

CTCH 250	Introduction to Construction	3
CTCH 255	Basic Woodworking	3
CTCH 163	Construction Management	3
CTCH 164	Blueprint Reading	3
CTCH 168	Residential Plumbing	4
CTCH 169	Residential Wiring	3
CTCH 171A	Homebuilding: Layout and Concrete I	3
CTCH 172A	Homebuilding: Floor & Wall Framing I	3
CTCH 173A	Homebuilding: Roof Framing I	3
CTCH 174A	Homebuilding: Finish Carpentry I	3
CTCH 180A	Building Code I, Architectural Design Provisions	3
Plus 3 credits from the following:		
BUS 283	Management and Supervision	3
CTCH 156	Machine Woodworking/Furniture	3
CTCH 157	Cabinetmaking/32 mm European Construction	3
CTCH 158	Cabinetmaking/Face Frame Construction	3
CTCH 165	Block Masonry	3
CTCH 166	Brick Masonry	3
CTCH 171B	Homebuilding: Layout and Concrete II	2
CTCH 172B	Homebuilding: Floor & Wall Framing II	2
CTCH 173B	Homebuilding: Roof Framing II	2
CTCH 174B	Homebuilding: Finish Carpentry II	2
CTCH 175	Basic Heating, Refrigeration, and Air Conditioning	3
CTCH 176	Basic Water Treatment	3
CTCH 177	Water Distribution Systems	3
CTCH 180B	Building Code II, Structural Design and Material Provisions	3
CTCH 181	National Electrical Code	3
CTCH 182	Uniform Plumbing and Mechanical Codes	3
CTCH 183A	Commercial Wiring and Electrical Systems	4
CTCH 183B	Industrial Wiring and Electrical Systems	4
ENGL 165	Basic Technical Communication	4
MATH 123	Elementary Algebra	5
or MATH 123SI	Elementary Algebra with Supplemental Learning (5)	

WELD 270A	Basic Welding	3-4
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C.A., CONSTRUCTION TECHNOLOGY

Required Courses (34 credits)

CTCH 250	Introduction to Construction	3
CTCH 255	Basic Woodworking	3
CTCH 163	Construction Management	3
CTCH 164	Blueprint Reading	3
CTCH 168	Residential Plumbing	4
CTCH 169	Residential Wiring	3
CTCH 171A	Homebuilding: Layout and Concrete I	3
CTCH 172A	Homebuilding: Floor and Wall Framing I	3
CTCH 173A	Homebuilding: Roof Framing I	3
CTCH 174A	Homebuilding: Finish Carpentry I	3
CTCH 180A	Building Code I, Architectural Design Provisions	3
Plus 3 credits from the following:		
CTCH 156	Machine Woodworking/Furniture	3
CTCH 157	Cabinetmaking/32 mm European Construction	3
CTCH 158	Cabinetmaking/Face Frame Construction	3
CTCH 165	Block Masonry	3
CTCH 166	Brick Masonry	3
CTCH 171B	Homebuilding: Layout and Concrete II	2
CTCH 172B	Homebuilding: Floor and Wall Framing II	2
CTCH 173B	Homebuilding: Roof Framing II	2
CTCH 174B	Homebuilding: Finish Carpentry II	2
CTCH 175	Basic Heating, Refrigeration, and Air Conditioning	3
CTCH 176	Basic Water Treatment	3
CTCH 177	Water Distribution Systems	3
CTCH 180B	Building Code II, Structural Design and Material Provisions	3
CTCH 181	National Electrical Code	3
CTCH 182	Uniform Plumbing and Mechanical Codes	3
CTCH 183A	Commercial Wiring and Electrical Systems	4
CTCH 183B	Industrial Wiring and Electrical Systems	4
ENGL 165	Basic Technical Communication	4
MATH 123	Elementary Algebra	5
or MATH 123SI	Elementary Algebra with Supplemental Learning (5)	
WELD 270A	Basic Welding	3-4

C.S., BASIC WATER TREATMENT

Required Courses (3 credits)

CTCH 176	Basic Water Treatment	3
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C.S., BLOCK MASONRY

Required Course (3 credits)

CTCH 165	Block Masonry	3
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C.S., BRICK MASONRY

Required Course (3 credits)

CTCH 166	Brick Masonry	3
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C.S., NATIONAL ELECTRICAL CODE

Required Course (3 credits)

CTCH 181	National Electrical Code	3
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INSTRUCTION

C.S., UNIFORM BUILDING CODE

Required Course (6 credits)

CTCH 180A	Building Code I, Architectural Design Provisions	3
CTCH 180B	Building Code II, Structural Design and Material Provisions	3

C.S., UNIFORM PLUMBING AND MECHANICAL CODES

Required Course (3 credits)

CTCH 182	Uniform Plumbing and Mechanical Codes	3
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C.S., WATER DISTRIBUTION SYSTEMS

Required Courses (3 credits)

CTCH 177	Water Distribution Systems	3
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C.S., WOODWORKING

Required Courses (12 credits)

CTCH 255	Basic Woodworking	3
CTCH 156	Machine Woodworking/Furniture	3
CTCH 157	Cabinetmaking/32 mm European Construction	3
CTCH 158	Cabinetmaking/Face Frame Construction	3

CRIMINAL JUSTICE**A.A., CRIMINAL JUSTICE**

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 (28 credits)

CIS 210	Introduction to Computer Applications	4
CJ 202	Introduction to Criminal Justice	3
CJ 204	Principles and Procedures of the Justice System	3
CJ 206	Concepts of Criminal Law	3
CJ 208	Legal Aspects of Evidence	3
CJ 210	Principles of Investigation	3
CJ 212	Juvenile Justice Procedures	3
CJ 213	Concepts of Enforcement Service	3
CJ 224	Police-Community Relations	3

CULINARY ARTS**A.S., CULINARY ARTS**

Required Courses (29.5 credits)

BUS 172	Communicating with People	.5
BUS 173	Conflict Resolution	.5
BUS 175	Values & Ethics	.5
COUN 261	Career Skills and Job Shadowing	1
CUL 125	Baking and Baking Science I	1
CUL 145	Advanced Pastry Arts	1
CUL 149	Vegetarian Cuisine	1
CUL 210	Culinary Arts Fundamentals I	2.5
CUL 213	Food Sanitation and Safety	3
CUL 220	Culinary Arts Fundamentals II	1.5
CUL 230	Meat, Poultry, and Seafood Analysis and Production	1.5
CUL 235	Intermediate Baking	1
CUL 240	Garde Manger	1
CUL 243	International Cuisine	.5
HOPS 110	Hospitality Marketing and Sales	3

HOSP 130	Food and Beverage Operations	3
MATH 112	Converting Measurements	1
NUTR 210	Nutrition	3
NUTR 222	Food Customs and Culture	3
Plus .5 credit from the following:		
BUS 170	Dealing with Change	.5
BUS 171	Team Building	.5
BUS 174	Customer Service	.5
BUS 176	Attitude in the Workplace	.5
BUS 177	Stress Management	.5
BUS 178	Decision Making & Problem Solving	.5
BUS 179	Time Management	.5

C.A., CULINARY ARTS

Required Courses (29.5 credits)

BUS 172	Communicating with People	.5
BUS 173	Conflict Resolution	.5
BUS 175	Values & Ethics	.5
COUN 261	Career Skills and Job Shadowing	1
CUL 125	Baking and Baking Science I	1
CUL 145	Advanced Pastry Arts	1
CUL 149	Vegetarian Cuisine	1
CUL 210	Culinary Arts Fundamentals I	2.5
CUL 213	Food Sanitation and Safety	3
CUL 220	Culinary Arts Fundamentals II	1.5
CUL 230	Meat, Poultry, and Seafood Analysis and Production	1.5
CUL 235	Intermediate Baking	1
CUL 240	Garde Manger	1
CUL 243	International Cuisine	.5
HOPS 110	Hospitality Marketing and Sales	3
HOSP 130	Food and Beverage Operations	3
MATH 112	Converting Measurements	1
NUTR 210	Nutrition	3
NUTR 222	Food Customs and Culture	3
Plus .5 credit from the following:		
BUS 170	Dealing with Change	.5
BUS 171	Team Building	.5
BUS 174	Customer Service	.5
BUS 176	Attitude in the Workplace	.5
BUS 177	Stress Management	.5
BUS 178	Decision Making & Problem Solving	.5
BUS 179	Time Management	.5

C.S., BAKING

Required Courses (3.5-5.5 credits)

CUL 100	Culinary Kitchen Basics	.5
or CUL 210	Culinary Arts Fundamentals I	(2.5)
CUL 125	Baking and Baking Science I	1
CUL 145	Advanced Pastry Arts	1
CUL 235	Intermediate Baking	1

C.S., SAVORY CUISINE

Required Courses (8 credits)

CUL 149	Vegetarian Nutrition and Cuisine	1
CUL 210	Culinary Arts Fundamentals I	2.5
CUL 220	Culinary Arts Fundamentals II	1.5
CUL 230	Meat, Poultry, and Seafood Analysis and Production	1.5

CUL 240	Garde Manger	1
CUL 243	International Cuisine	.5

DRA 251	Musical Theatre Performance	3
DRA 252	Writing, Directing, and Acting for Theatre	3

C.S., WHOLE FOODS

Required Courses (4.5 credits)

CUL 100	Culinary Kitchen Basics	.5
CUL 101	Whole Grains Cookery	.5
CUL 102	Seasonal Cuisine	.5
CUL 103	Healthful Ethnic Cuisine	.5
CUL 104	Living and Raw Foods	.5
CUL 105	Alternative Baking and Dessert Methods	.5
CUL 106	Advanced Vegetarian Cuisine	.5
CUL 149	Vegetarian Nutrition and Cuisine	1

EARLY CHILDHOOD EDUCATION

**A.A., EARLY CHILDHOOD EDUCATION
TEACHER: COMMUNITY TRACK**

Required Courses (32 credits)

ECE 201	Child Growth and Development	3
ECE 202	Child, Family and Community	3
ECE 203	Curriculum for Young Children	3
ECE 204	Child Health Safety and Nutrition	3
ECE 205	Introduction to Early Childhood Education: Principles and Practices	3
ECE 206	Observation, Recording Techniques and Assessment	3
ECE 215	Teaching in a Diverse Society	3
ECE 256	Discipline and Classroom Management	3
ECE 257	Developing the Learning Environment	3
ECE 258	Supervised Field Experience	3
HEED 204*	Standard First Aid and CPR	2
Plus choose 3 credits from the following:		
ECE 211	Music and Movement Activities for Young Children	3
ECE 220	Art for Young Children	3
ECE 234	Children's Literature	3
Plus 3 credits from the following:		
ECE 244	Supervision and Administration of Parent Programs	3
ECE 245	Adult Supervision, Evaluation and Staff Relations in ECE	3
ECE 246	Administration and Supervision of Early Childhood Schools	3
Plus choose 3 credits from the following:		
ECE 135	Strategies for Challenging Behaviors	3
ECE 236	Understanding the Child with Special Needs	3
ECE 242	Infant-Toddler Caregiving	3

* Current certification in Standard First Aid and CPR may be substituted for HEED 204.

INSTRUCTION

DANCE

A.A., DANCE

Required Courses (26 credits)

DANC 228	Social Dance Forms	1
DANC 225	Dance Improvisation and Composition	1
DANC 250	Dance History of the 20th Century	3
DANC 252	Dance Cultures of the World	3
DANC 255	Ballet	1
DANC 256	Jazz	1
DANC 258	Choreography and Performance	2
DANC 260A	Beginning Modern	1
DANC 260B	Intermediate Modern	1
DANC 260C	Advanced Modern	1
DRA 207	Introduction to Theatre	3
MUS 239	Fundamentals of Music	3
PEAC 206	Pilates for Fitness and Health	1
PETH 214	Foundations for Fitness	3
Plus 9 credits from the following: Electives		
BIO 205	Human Anatomy	4
BIO 212	Human Biology	3
DANC 249	Dance Ensemble	.5 - 3
DANC 254	Introduction to Dance	1
MUS 220	Elementary Voice	2
MUS 235	Music Appreciation	3
MUS 240	Recording Arts	2
MUS 250	Musical Theatre Workshop	3
MUS 251	Musical Theatre Performance	3
NUTR 230	Nutrition for Fitness and Sport	3

DRAMA

A.A., DRAMA

Required Courses (21 credits)

DRA 201A	Principles of Acting	3
DRA 201B	Principles of Acting	3
DRA 207	Introduction to the Theatre	3
DRA 211A	Basic Theatre Practice	3
DRA 211B	Basic Theatre Practice	3
DRA 215	Introduction to Stage Movement	3
DRA 248	Play Production	3
Plus 6 credits from the following:		
DRA 202	Applied Principles of Acting	3
DRA 208	Voice for the Actor	3
DRA 247	Independent Studies - Drama	.5-2
DRA 250	Musical Theatre Workshop	3

**C.A., EARLY CHILDHOOD EDUCATION
TEACHER: COMMUNITY TRACK**

Required Courses (32 credits)

ECE 158	Supervised Field Experience	3
ECE 201	Child Growth and Development	3
ECE 202	Child, Family and Community	3
ECE 203	Curriculum for Young Children	3
ECE 204	Child Health Safety and Nutrition	3
ECE 205	Introduction to Early Childhood Education: Principles and Practices	3
ECE 206	Observation, Recording Techniques and Assessment	3
ECE 215	Teaching in a Diverse Society	3
ECE 256	Discipline and Classroom Management	3
ECE 257	Developing the Learning Environment: Program and Curriculum	3
HEED 204*	Standard First Aid and CPR	2
Plus 3 credits from the following:		
ECE 211	Music and Movement Activities for Young Children	3

ECE 220	Art for Young Children	3
ECE 234	Children's Literature	3
Plus 3 credits from the following:		
ECE 244	Supervision and Administration of Parent Programs	3
ECE 245	Adult Supervision, Evaluation and Staff Relations in ECE	3
ECE 246	Administration and Supervision of Early Childhood Schools	3
Plus 3 credits from the following:		
ECE 135	Strategies for Challenging Behaviors	3
ECE 236	Understanding the Child with Special Needs	3
ECE 242	Infant-Toddler Caregiving	3
* Current certification in Standard First Aid and CPR may be substituted for HEED 204.		

A.A., EARLY CHILDHOOD EDUCATION TEACHER: LABORATORY TRACK

Required Courses (30 credits)

ECE 201	Child Growth and Development	3
ECE 202	Child, Family and Community	3
ECE 203	Curriculum for Young Children	3
ECE 204	Child Health Safety and Nutrition	3
ECE 205	Introduction to Early Childhood Education: Principles and Practices	3
ECE 206	Observation, Recording Techniques and Assessment	3
ECE 209	Guidance, Curriculum and Environments	3
ECE 210	Practicum: Curriculum and Environment	4
ECE 215	Teaching in a Diverse Society	3
HEED 204*	Standard First Aid and CPR	2
Plus 3 credits from the following:		
ECE 211	Music And Movement Activities for Young Children	3
ECE 220	Art for Children	3
ECE 234	Children's Literature	3
Plus 3 credits from the following:		
ECE 244	Supervision and Administration of Parent Programs	3
ECE 245	Adult Supervision, Evaluations and Staff Relations in ECE	3
ECE 246	Administration and Supervision of Early Childhood Schools	3
Plus 3 credits from the following:		
ECE 135	Strategies for Challenging Behaviors in the ECE Classroom	3
ECE 236	Understanding the Child with Special Needs	3
ECE 242	Infant-Toddler Caregiving	3
* Current certification in Standard First Aid and CPR may be substituted for HEED 204.		

C.A., EARLY CHILDHOOD EDUCATION TEACHER: LABORATORY TRACK

Required Courses (30 credits)

ECE 201	Child Growth and Development	3
ECE 202	Child, Family and Community	3
ECE 203	Curriculum for Young Children	3
ECE 204	Child Health Safety and Nutrition	3
ECE 205	Introduction to Early Childhood Education: Principles and Practices	3

ECE 206	Observation, Recording Techniques and Assessment	3
ECE 209	Guidance, Curriculum and Environments	3
ECE 210	Practicum: Curriculum and Environment	4
ECE 215	Teaching in a Diverse Society	3
HEED 204*	Standard First Aid and CPR	2
Plus 3 credits from the following:		
ECE 211	Music And Movement Activities for Young Children	3
ECE 220	Art for Children	3
ECE 234	Children's Literature	3
Plus 3 credits from the following:		
ECE 244	Supervision and Administration of Parent Programs	3
ECE 245	Adult Supervision, Evaluations and Staff Relations in ECE	3
ECE 246	Administration and Supervision of Early Childhood Schools	3
Plus 3 credits from the following:		
ECE 135	Strategies for Challenging Behaviors in the ECE Classroom	3
ECE 236	Understanding the Child with Special Needs	3
ECE 242	Infant-Toddler Caregiving	3
* Current certification in Standard First Aid and CPR may be substituted for HEED 204.		

C.S., EARLY CHILDHOOD EDUCATION ASSOCIATE TEACHER

Required Courses (15 credits)

ECE 201	Child Growth and Development	3
ECE 202	Child, Family and Community	3
ECE 203	Curriculum for Young Children	3
ECE 204	Child Health Safety and Nutrition	3
ECE 205	Introduction to Early Childhood Education: Principles and Practices	3

C.S., EARLY CHILDHOOD EDUCATION MASTER TEACHER: CURRICULUM

Required Courses (9 credits)

ECE 204	Child Health Safety and Nutrition	3
ECE 211	Music And Movement Activities for Young Children	3
ECE 220	Art for Young Children	3
ECE 234	Literature for Children	3

C.S., EARLY CHILDHOOD EDUCATION MASTER TEACHER: DIVERSITY

Required Courses (6 credits)

ECE 135	Strategies for Challenging Behaviors	3
Or ECE 236	Understanding the Child with Special Needs	(3)
ECE 215	Multicultural/Anti-Bias Curriculum	(3)
Plus 3 credits from the following:		
FMST 213	Ethnic Identity Development Across the Life Span	3
SOC 206	Minority Group Relations	3
SPCM 212	Intercultural Communication	3

* If not used for required units

C.S., WORKING WITH SCHOOL AGE CHILDREN

Required Courses (15 credits)

ECE 135	Strategies for Challenging Behaviors	3
or ECE 236	Understanding the Child with Special Needs	(3)
ECE 201	Child Growth and Development	3
ECE 202	Child, Family and Community	3
ECE 211	Music and Movement Activities for Young Children	3
ECE 222	Crafts for School Age Children	3

ELECTRONICS AND ELECTRICAL TECH

A.S., ELECTRO MECHANICAL TECHNOLOGY

Required Courses (39 credits)

CIS 201	Introduction to Programming	3
CIS 214	Introduction to Visual Basic	3
CNET 255	Network Cabling Certification	2
EET 111	Laboratory Techniques I	1
EET 213	Electronics Fundamentals	6
EET 216	Digital Circuits	4
EET 224	Industrial Electronics	4
EET 227	Fluid and Pneumatic Technology	4
ENGR 226	Engineering Drawing I	4
MATH 126A	Intermediate Algebra-Part 1	5
or MATH 127	Intermediate Algebra	(5)
PSCI 201A	Physical Science: Physics and Chemistry	3

Plus 12 credits from the following:

ATCH 109	Introduction to Automotive Computers	2.5
ATCH 158	Automotive Electricity and Electronics	4
ATCH 280	Manual Drivetrains	3
CNET 218	Wireless Network Communications and Administration	4
CNET 220	Microcomputer Architecture and Programming	2
CNET 253	Microcomputer Fundamentals for Technicians	3
CNET 254	Server Maintenance and Administration	4
CNET 256	Fiber Network Cabling Certification	2
CNET 260	Networking Fundamentals	2
CNET 261	Router Theory and Technology	2
CNET 262	Advanced Routing and Switching	2
CNET 263	Wide Area Networking	2
CTCH 169	Residential Wiring	3
CTCH 183A	Commercial Wiring and Electrical Systems	4
CTCH 183B	Industrial Wiring and Electrical Systems	4
EET 122	Logical Troubleshooting	2
EET 215	Analog Devices	2
EET 228	Programmable Logic Controllers	4
EET 235	Robotics Technology	4
EET 239	Computer Numerical Control	3
EET 257	Computer Instrumentation and Control	4
EET 267	Power Systems and Rotating Electrical Machinery	4
ENGR 227	Engineering Drawing II	3
WELD 270A	Basic Welding	3-4

C.A., ELECTRO MECHANICAL TECHNICIAN

Required Courses (41 credits)

CIS 201	Introduction to Programming	3
CTCH 183A	Commercial Wiring and Electrical Systems	4
CTCH 183B	Industrial Wiring and Electrical Systems	4
EET 111	Laboratory Techniques I	1
EET 213	Electronics Fundamentals	6

EET 216	Digital Circuits	4
EET 224	Industrial Electronics	4
EET 227	Fluid and Pneumatic Technology	4
EET 228	Programmable Logic Controllers	4
ENGR 226	Engineering Drawing I	4
PSCI 201A	Physical Science: Physics and Chemistry	3

A.S., ELECTRICAL TECHNOLOGY

Required Courses (44 credits)

CNET 255	Network Cabling Certification	2
CNET 256	Advanced Network Cabling Techniques	2
CTCH 169	Residential Wiring	3
CTCH 181	National Electrical Code	3
CTCH 183A	Commercial Wiring and Electrical Systems	4
CTCH 183B	Industrial Wiring and Electrical Systems	4
EET 111	Laboratory Techniques I	1
EET 160	Alarm Systems	2
EET 213	Electronics Fundamentals	6
EET 224	Industrial Electronics	4
EET 228	Programmable Logic Controllers	4
EET 267	Power Systems and Rotating Electrical Machinery	4
MATH 127	Intermediate Algebra	5

C.A., ELECTRICAL TECHNOLOGY

Required Courses (44 credits)

CNET 255	Network Cabling Certification	2
CNET 256	Advanced Network Cabling Techniques	2
CTCH 169	Residential Wiring	3
CTCH 181	National Electrical Code	3
CTCH 183A	Commercial Wiring and Electrical Systems	4
CTCH 183B	Industrial Wiring and Electrical Systems	4
EET 111	Laboratory Techniques I	1
EET 160	Alarm Systems	2
EET 213	Electronics Fundamentals	6
EET 224	Industrial Electronics	4
EET 228	Programmable Logic Controllers	4
EET 267	Power Systems and Rotating Electrical Machinery	4
MATH 127	Intermediate Algebra	5

A.S., ELECTRONICS TECHNOLOGY

Required Courses (42 credits)

CNET 218	Wireless Communications and Connectivity	2
CNET 220	Microcomputer Architecture and Programming	2
CNET 221	Operating Systems Concepts I	3
CNET 253	Microcomputer Fundamentals for Technicians	3
CNET 255	Network Cabling Certification	2
CNET 256	Advanced Network Connectivity	2
EET 111	Laboratory Techniques I	1
EET 122	Logical Troubleshooting	2
EET 213	Electronics Fundamentals	6
EET 215	Analog Devices	2
EET 216	Digital Circuits	4
EET 224	Industrial Electronics	4
EET 228	Programmable Logic Controllers	4
MATH 127	Intermediate Algebra	5

Plus 8 credits from the following:

ATCH 109	Introduction to Automotive Computers	2.5
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ATCH 158	Automotive Electricity and Electronics	4
CIS 115	Visual Basic for Internet Application	3
CNET 254	Advanced Microcomputer Maintenance	4
CNET 260	Networking Fundamentals	2
CNET 261	Router Theory and Technology	2
CNET 262	Advanced Routing and Switching	2
CNET 263	Wide Area Networking	2
CTCH 250	Introduction to Construction	3
CTCH 164	Blueprint Reading	3
CTCH 169	Residential Wiring	3
CTCH 181	National Electrical Code	3
CTCH 183A	Commercial Wiring and Electrical Systems	4
CTCH 183B	Industrial Wiring and Electrical Systems	4
EET 235	Robotics Technology	4
EET 239	Computer Numerical Control	3
EET 257	Computer Instrumentation and Control	4
EET 267	Power Systems and Rotating Electrical Machinery	4
ENGR 226	Engineering Drawing I	4
ENGR 227	Engineering Drawing II	3

INSTRUCTION

C.A., ELECTRONICS TECHNOLOGY

Required Courses (42 credits)

CNET 218	Wireless Communications and Connectivity	2
CNET 220	Microcomputer Architecture and Programming	2
CNET 221	Operating Systems Concepts I	3
CNET 253	Microcomputer Fundamentals for Technicians	3
CNET 255	Network Cabling Certification	2
CNET 256	Advanced Network Connectivity	2
EET 111	Laboratory Techniques I	1
EET 122	Logical Troubleshooting	2
EET 213	Electronics Fundamentals	6
EET 215	Analog Devices	2
EET 216	Digital Circuits	4
EET 224	Industrial Electronics	4
EET 228	Programmable Logic Controllers	4
MATH 127	Intermediate Algebra	5

Plus 8 credits from the following:

ATCH 109	Introduction to Automotive Computers	2.5
ATCH 158	Automotive Electricity and Electronics	4
CIS 115	Visual Basic for Internet Application	3
CNET 254	Advanced Microcomputer Maintenance	4
CNET 260	Networking Fundamentals	2
CNET 261	Router Theory and Technology	2
CNET 262	Advanced Routing and Switching	2
CNET 263	Wide Area Networking	2
CTCH 250	Introduction to Construction	3
CTCH 164	Blueprint Reading	3
CTCH 169	Residential Wiring	3
CTCH 181	National Electrical Code	3
CTCH 183A	Commercial Wiring and Electrical Systems	4
CTCH 183B	Industrial Wiring and Electrical Systems	4
EET 235	Robotics Technology	4
EET 239	Computer Numerical Control	3
EET 257	Computer Instrumentation and Control	4
EET 267	Power Systems and Rotating Electrical Machinery	4
ENGR 226	Engineering Drawing I	4
ENGR 227	Engineering Drawing II	3

C.S., ELECTRONICS AUTOMATION TECHNOLOGY

Required Courses (15 credits)

EET 224	Industrial Electronics	4
EET 228	Programmable Logic Controllers	4
EET 235	Robotics Technology	4
EET 239	Computer Numerical Controls	3

C.S., POWER AND INSTRUMENTATION CERTIFICATE

Required Courses (16 credits)

EET 224	Industrial Electronics	4
EET 228	Programmable Logic Controllers	4
EET 257	Computer Instrumentation and Control	4
EET 267	Power Systems and Rotating Electrical Machinery	4

EMERGENCY MEDICAL SERVICES

Adherence to Cuesta College Paramedic students policies is required for process within and graduation from the program and satisfaction of eligibility to take the Paramedic National Registry licensure examination (NREMTP) leading to licensure as a California Paramedic. All EMS Paramedic 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 Paramedic may constitute grounds for denial of licensure.

Students must meet one of the following:

- Full-time, six months work experience as an EMT; or
- Part-time 1000 hours work experience as an EMT; or
- Successful completion of an Emergency Medical Services Academy

C.A., PARAMEDIC

Required Courses (40 credits)

EMS 106	Paramedic Theory	14
EMS 107	Paramedic Clinical	6
EMS 108	Paramedic Internship	9
ENGL 156	College Reading and Writing	3
MATH 123	Elementary Algebra	5
BIO 212	Human Biology	3

C.S., EMERGENCY MEDICAL SERVICES

Required Course (6 credits)

EMS 201	Emergency Medical Technician I	6
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C.S., EMERGENCY MEDICAL SERVICES HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONAL

Students must receive an 80% or better on the final exam to receive certification from the Governor's Office of Emergency Services California Specialized Training Institute (CSTI).

Required Course (1.5 credits)

EMS 103	Hazardous Materials First Responder Operational	1.5
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C.S., EMERGENCY MEDICAL SERVICES TECHNICIAN REFRESHER

Required Course (1.5 credits)

EMS 102	Emergency Medical Technician I Refresher	1.5
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C.S., EMERGENCY SERVICES

Required Course (.5 credits)
 EMS 104 Emergency Vehicle Operator - Ambulance .5

CAL FIRE CERTIFICATIONS

C.S., BASIC FIRE GROUND APPARATUS PUMPING OPERATIONS

Required Course (0.5 credits)
 EMS 114 Basic Fire Ground Apparatus Pumping Operations .5

C.S., BASIC 67 HOUR WILDLAND TRAINING

Required Course (3 credits)
 EMS 124 Basic 67 Hour Wildland Training 3

C.S., BASIC WILDLAND BRIDGE TRAINING

Required Course (1.5 credits)
 EMS 123 Basic Wildland Bridge Training 1.5

C.S., CONFINED SPACE RESCUE AWARENESS

Required Course (0.5 credits)
 EMS 110 Confined Space Rescue Awareness .5

C.S., EMERGENCY VEHICLE OPERATIONS - FIRE APPARATUS

Required Course (0.5 credits)
 EMS 115 Emergency Vehicle Operations - Fire Apparatus .5

C.S., FIRE COMMAND 1A: COMMAND PRINCIPLES

Required Course (2 credits)
 EMS 128 Fire Command 1A: Command Principles 2

C.S., FIRE COMMAND 1B: INCIDENT MANAGEMENT FOR COMPANY OFFICERS

Required Course (2 credits)
 EMS 129 Fire Command 1B: Incident Management for Company Officers 2

C.S., FIRE INSTRUCTOR 1A: INSTRUCTIONAL TECHNIQUES

Required Course (2 credits)
 EMS 120 Fire Instructor 1A: Instructional Techniques 2

C.S., FIRE INSTRUCTOR 1B: INSTRUCTIONAL TECHNIQUES

Required Course (2 credits)
 EMS 121 Fire Instructor 1B: Instructional Techniques 2

C.S., FIRE INVESTIGATION 1A: FIRE ORIGIN AND CAUSE DETERMINATION

Required Course (2 credits)

EMS 126 Fire Investigation 1A: Fire Origin and Cause Determination 2

C.S., FIRE INVESTIGATION 1B: TECHNIQUES OF FIRE INVESTIGATION

Required Course (2 credits)
 EMS 127 Fire Investigation 1B: Techniques of Fire Investigation 2

C.S., HAZARDOUS MATERIALS FIRST RESPONDER & DECONTAMINATION

Required Course (1 credits)
 EMS 116 Hazardous Materials First Responder & Decontamination 1

C.S., INCIDENT COMMAND SYSTEM INTERMEDIATE

Required Course (1.5 credits)
 EMS 117 Incident Command System Intermediate 1.5

C.S., INTRODUCTION TO SURF RESCUE

Required Course (1 credits)
 EMS 111 Introduction to Surf Rescue 1

C.S., LOW ANGLE ROPE RESCUE OPERATIONAL

Required Course (1 credits)
 EMS 112 Low Angle Rope Rescue Operational 1

C.S., PAID CALL FIREFIGHTER TRAINING

Required Course (3 credits)
 EMS 118 Paid Call Firefighter Training 3

C.S., PRINCIPLES OF VEHICLE EXTRICATION

Required Course (0.5 credits)
 EMS 113 Principles of Vehicle Extrication .5

C.S., RESCUE SYSTEMS 1: BASIC RESCUE SKILLS

Required Course (2 credits)
 EMS 125 Rescue Systems 1: Basic Rescue Skills 2

C.S., RIVER AND FLOOD WATER RESCUE

Required Course (1 credits)
 EMS 119 River and Flood Water Rescue 1

INSTRUCTION

ENGINEERING

A.S., ENGINEERING

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 (37 credits)

CHEM 201A	General College Chemistry	5
ENGR 250	Engineering Statics	3
MATH 265A	Analytic Geometry and Calculus	5
MATH 265B	Analytic Geometry and Calculus	5
MATH 283	Calculus	4
MATH 287	Linear Analysis	5
PHYS 208A	Principles of Physics	5
PHYS 208B	Principles of Physics	5
Plus 13 credits (of which 9 must be earned at Cuesta) from the following, with a minimum of 3 courses from the Engineering discipline:		
CIS 217	"C" Programming Language	3
CIS 231	Fundamentals of Computer Science I	4
CIS 240	Microcomputer Architecture & Programming	3
ENGR 201	Plane Surveying	3
ENGR 210	Computational Methods for Engineers	3
ENGR 218	Introduction to Electronic Circuit Analysis	3
ENGR 218L	Electronic Circuit Lab	1
ENGR 219	Logic and Switching Circuits	4
ENGR 246	Materials Engineering	2
ENGR 246L	Engineering Materials Lab	1
ENGR 248	Introduction to Engineering	1
ENGR 251	Engineering Dynamics	3
ENGR 252A	Strength of Materials I	2
and ENGR 252B	Strength of Materials II	2
ENGR 252L	Strength of Materials Lab	1
GEOL 210	Physical Geology	4
PHYS 208C	Modern Physics	3
WELD 270A	Basic Welding	3-4

C.A., COMPUTER AIDED DESIGN/DRAFTING (CAD)

All courses must be completed with a grade of "C" or better.

Required Courses (17 credits)

ARCH 221	Design and Visual Communication I	4
ARCH 230	Architectural Computer Aided Drafting	3
ARCH 242	Introduction to Architectural Practice	3
ENGR 226	Engineering Drawing I	4
ENGR 227	Engineering Drawing II	3
Plus 6 credits from the following:		
ARCH 232	Architectural Design & Presentation	
	Computer Graphics	3
ARCH 222	Design and Visual Communication II	4
ARCH 205	Architectural Modelmaking	2
ARCH 245	Green Building with LEED Training	1
CIS 210	Introduction to Computer Applications	4
CTCH 250	Introduction to Construction	3
ENGR 201	Plane Surveying	3

C.S., AUTOCAD - LEVEL I

Required Courses (1 credits)

ENGR 125	AutoCAD	1
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C.S., AUTOCAD - LEVEL I AND ENGINEERING DRAWING

Required Courses (4 credits)

ENGR 226	Engineering Drawing I	4
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C.S., AUTOCAD - LEVEL III INVENTOR

Required Courses (3 credits)

ENGR 227	Engineering Drawing II	3
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ENGLISH

A.A., ENGLISH

Required Course (10 credits)

ENGL 201A	English Composition	4
ENGL 201B	English Composition: Introduction to Literature	3
ENGL 201C	English Composition: Critical Thinking	3
Plus 12 credits from the following:		
ENGL 205	Introduction to Poetry	3
ENGL 206	Introduction to the Novel	3
ENGL 212A	American Literature	3
ENGL 212B	American Literature	3
ENGL 213	Multicultural Voices in American Literature	3
ENGL 215	Shakespeare	3
ENGL 216	Literature and Film	3
ENGL 217	Literature by Women	3
ENGL 231	Creative Writing	3
ENGL 244A	European Literature	3
ENGL 244B	European Literature	3
ENGL 246A	Survey of British Literature	3
ENGL 246B	Survey of British Literature	3

ENGLISH AS A SECOND LANGUAGE

C.S., ENGLISH AS A SECOND LANGUAGE, INTERMEDIATE

Required Course (12 credits)

ESL 003	ESL Reading, Writing, and Grammar, Level 3	6
ESL 004	ESL Reading, Writing, and Grammar, Level 4	6
Plus 2 credits from the following:		
ESL 025A	ESL 25A Intermediate Level Conversation	2
ESL 025B	ESL 25B Intermediate Level Conversation	2
ESL 025C	ESL 25C Intermediate Level Conversation	2

C.S., ENGLISH AS A SECOND LANGUAGE, ADVANCED

Required Course (15 credits)

ESL 005	ESL Reading, Writing, and Grammar, Level 5	6
ESL 006A	English as a Second Language, Writing and Grammar, Level 6	6
ESL 006B	English as a Second Language, Reading, Level 6	3
Plus 2 credits from the following:		
ESL 035A	ESL 35A Advanced Level Conversation	2
ESL 035B	ESL 35B Advanced Level Conversation	2
ESL 035C	ESL 35C Advanced Level Conversation	2

FACILITIES

A.S., FACILITIES TECHNOLOGY MANAGEMENT

Required Courses (46-47 credits)

ATCH 166	Automotive Maintenance and Light Repair	2
BUS 245	Introduction to Business	3
BUS 283	Management and Supervision	3
CNET 255	Network Cabling Certification	2
CTCH 168	Residential Plumbing	3

CTCH 169	Residential Wiring	3
CTCH 183A	Commercial Wiring and Electrical Systems	4
CTCH 250	Introduction to Construction	3
EET 111	Laboratory Techniques I	1
EET 213	Electronics Fundamentals	6
EET 224	Industrial Electronics	4
EET 227	Fluid and Pneumatic Technology	4
MATH 126A	Intermediate Algebra-Part 1	5
or MATH 127	Intermediate Algebra	(5)
WELD 270A	Basic Welding	3-4
Plus 3 credits from the following:		
ATCH 152	Internal Combustion Engines	3
ATCH 158	Automotive Electricity and Electronics	4
ATCH 168	Automotive Repair Business	3
ATCH 188	Automotive Heating And Air Conditioning	3
ATCH 280	Manual Drivetrains	3
CIS 210	Introduction to Computer Applications	3
CTCH 183B	Industrial Wiring and Electrical Systems	4
EET 228	Programmable Logic Controllers	4
EET 257	Instrumentation and Control	4
EET 267	Power Systems and Rotating Electrical Machinery	4
LDER 255	Community Internship	1-3
LDER 261A	Philosophy of Leadership	1.5
LDER 261B	Leadership: Success Strategies Seminar	1.5
WELD 270B	Advanced Welding	3-4

C.A., FACILITIES TECHNOLOGY

Required Courses (18-19 credits)

ATCH 166	Automotive Maintenance and Light Repair	2
CTCH 168	Residential Plumbing	3
CTCH 250	Introduction to Construction	3
EET 111	Laboratory Techniques I	1
EET 213	Electronics Fundamentals	6
WELD 270A	Basic Welding	3-4

FAMILY STUDIES/HUMAN SERVICES

A.A., FAMILY STUDIES/HUMAN SERVICES

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)

FMST 202	The Child, Family and Community	3
FMST 205	Life Management	3
FMST 210	Introduction to Human Services	3
FMST 212	Human Development: Life Span	3
or FMST 220	Aging in the 21st Century: Social Gerontology	(3)
FMST 213	Ethnic Identity Development Across the Life Span	3
FMST 214	Family, Relationships and Intimacy	3
FMST 215	Developmental Patterns of Women	3
FMST 216	Parenting	3
FMST 218	Human Sexuality	3
Plus 6 credits from the following:		
FMST 212*	Human Development: Life Span	3
or FMST 220*	Aging in the 21st Century: Social Gerontology	3
FMST 270	Introduction to Addiction Studies: Addiction and the Community	3
FMST 271	Group Process and Practice	3
FMST 272	Drug Prevention and Education	3
FMST 278	Families and Addiction	3
FMST 280	Basic Interviewing and Counseling	3
FMST 288	Addiction Studies Fieldwork & Seminar	7

LDER 253	Peer Counseling	2
or LDER 255	Community Internship	(3)
PSYC 201	Introductory Psychology	3
SOC 201A	Introduction to Sociology	3
SOC 206	Minority Group Relations	3
WEXP 252/252L	Cooperative Work Experience – Occupational	1-4

* If not used for required credits

C.S., ADDICTION STUDIES

Required Courses (15 credits)

FMST 270	Introduction to Addiction Studies: Addiction & the Community	3
FMST 272	Drug Prevention and Education	3
FMST 278	Families and Addiction	3
FMST 279	Treatment and Case Mangement	3
HEED 206	Health Aspects of Drug Use	3

C.S., FAMILY STUDIES & HUMAN DEVELOPMENT

Required Courses (15 credits)

FMST 212	Human Development: Life Span	3
or FMST 220	Aging in the 21st Century: Social Gerontology	(3)
FMST 213	Ethnic Identity Development Across the Life Span	3
FMST 214	Family, Relationships and Intimacy	3
or FMST 216	Parenting	(3)
FMST 215	Developmental Patterns of Women	3
FMST 218	Human Sexuality	3

C.S., HUMAN SERVICES

Required Courses (17 credits)

FMST 205	Life Management	3
FMST 210	Introduction to Human Services	3
FMST 271	Group Process and Practice	3
FMST 279	Treatment and Case Management	3
FMST 280	Basic Interviewing and Counseling	3
LDER 255	Community Internship	2

FASHION DESIGN AND MERCHANDISING

A.A., FASHION DESIGN

Required Courses (36 credits)

ENGR 125	AutoCAD	1
FDM 210	Introduction to Fashion	3
FDM 212	Textiles	3
FDM 214	Apparel Evaluation	3
FDM 215	Design Analysis and Color Theory	3
FDM 216	Fashion Illustration	3
FDM 218	Commercial Fashion Design	3
FDM 220	Fashion Analysis	3
FDM 225	History of Fashion: Classic Through 19th Century	3
or FDM 226	20th Century Trends and Designs	(3)
FDM 260	Product Development	3
FDM 263	Clothing Construction	3
FDM 165	Pattern Development	2
FDM 270	Fashion Portfolio Presentation	3
Plus 3 credits from the following:		
ART 200	Art Appreciation	3
ART 221	Beginning Drawing	2-3
ART 222	Intermediate Drawing	2-3
ART 223	Life Drawing	2-3

INSTRUCTION

Plus 3 credits from the following:

BUS 245	Introduction to Business	3
BUS 170*	Dealing with Change	.5
BUS 171*	Team Building	.5
BUS 172*	Communicating with People	.5
BUS 173*	Conflict Resolution	.5
BUS 174*	Customer Service	.5
BUS 175*	Values & Ethics	.5
BUS 176*	Attitude in the Workplace	.5
BUS 177*	Stress Management	.5
BUS 178*	Decision Making & Problem Solving	.5
BUS 179*	Time Management	.5
FDM 225**	History of Fashion: Classic Through 19th Century	3
or FDM 226**	20th Century Trends and Designs	(3)
FDM 230	Fashion Buying	3
FDM 235	Fashion Promotion	3
CIS 210	Introduction to Computer Applications	4
FDM 240	Visual Merchandising and Display	3
FDM 247	Independent Study: Fashion Design and Merchandising	.5-2
or WEXP 252	Cooperative Work Experience Education - Occupational	(.5)
and WEXP 252L	Cooperative Work Experience Lab - Occupational	(.5-3.5)

* No more than 3 credits

** If not used for required credits

C.A., FASHION DESIGN

Required Courses (36 credits)

ENGR 125	AutoCAD	1
FDM 210	Introduction to Fashion	3
FDM 212	Textiles	3
FDM 214	Apparel Evaluation	3
FDM 215	Design Analysis and Color Theory	3
FDM 216	Fashion Illustration	3
FDM 218	Commercial Fashion Design	3
FDM 220	Fashion Analysis	3
FDM 225	History of Fashion: Classic Through 19th Century	3
or FDM 226	20th Century Trends and Designs	(3)
FDM 260	Product Development	3
FDM 263	Clothing Construction	3
FDM 165	Pattern Development	2
FDM 270	Fashion Portfolio Presentation	3
Plus 3 credits from the following:		
ART 200	Art Appreciation	3
ART 221	Beginning Drawing	2-3
ART 222	Intermediate Drawing	2-3
ART 223	Life Drawing	2-3
Plus 3 credits from the following:		
BUS 245	Introduction to Business	3
BUS 170*	Dealing with Change	.5
BUS 171*	Team Building	.5
BUS 172*	Communicating with People	.5
BUS 173*	Conflict Resolution	.5
BUS 174*	Customer Service	.5
BUS 175*	Values & Ethics	.5
BUS 176*	Attitude in the Workplace	.5
BUS 177*	Stress Management	.5
BUS 178*	Decision Making & Problem Solving	.5
BUS 179*	Time Management	.5
FDM 225**	History of Fashion: Classic Through 19th Century	3

or FDM 226**	20th Century Trends and Designs	(3)
FDM 230	Fashion Buying	3
FDM 235	Fashion Promotion	3
CIS 210	Introduction to Computer Applications	4
FDM 240	Visual Merchandising and Display	3
FDM 247	Independent Study: Fashion Design and Merchandising	.5-2
or WEXP 252	Cooperative Work Experience Education - Occupational	(.5)
and WEXP 252L	Cooperative Work Experience Lab - Occupational	(.5-3.5)

* No more than 3 credits

** If not used for required credits

A.A., FASHION MERCHANDISING

Required Courses (31 credits)

CIS 210	Introduction to Computer Applications	4
FDM 210	Introduction to Fashion	3
FDM 212	Textiles	3
FDM 214	Apparel Evaluation	3
FDM 215	Design Analysis and Color Theory	3
FDM 220	Fashion Analysis	3
FDM 225	History of Fashion: Classic through 19th Century	3
or FDM 226	20th Century Trends and Designs	(3)
FDM 230	Fashion Buying	3
FDM 235	Fashion Promotion	3
FDM 240	Visual Merchandising and Display	3

Plus 9 credits from the following:

BUS 240	Advertising	3
or BUS 243	Marketing	(3)
BUS 248	Small Business Management	3
or BUS 249	Entrepreneurship	(4)
BUS 283	Management and Supervision	3
or BUS 286	Human Relations	(3)

Plus 3 credits from the following:

BUS 170*	Dealing with Change	.5
BUS 171*	Team Building	.5
BUS 172*	Communicating with People	.5
BUS 173*	Conflict Resolution	.5
BUS 174*	Customer Service	.5
BUS 175*	Values & Ethics	.5
BUS 176*	Attitude in the Workplace	.5
BUS 177*	Stress Management	.5
BUS 178*	Decision Making & Problem Solving	.5
BUS 179*	Time Management	.5
FDM 216	Fashion Illustration	3
or FDM 218	Commercial Fashion Design	(3)
FDM 225**	History of Fashion: Classic through 19th Century	3
or FDM 226**	20th Century Trends and Designs	(3)
FDM 247	Independent Study: Fashion Design and Merchandising	.5-2
or WEXP 252	Cooperative Work Experience Education - Occupational	(.5)
and WEXP 252L	Cooperative Work Experience Lab - Occupational	(.5-3.5)
FDM 260	Product Development	3

* No more than 3 credits

** If not used for required credits

C.A., FASHION MERCHANDISING

Required Courses (31 credits)

CIS 210	Introduction to Computer Applications	4
FDM 210	Introduction to Fashion	3
FDM 212	Textiles	3
FDM 214	Apparel Evaluation	3
FDM 215	Design Analysis and Color Theory	3
FDM 220	Fashion Analysis	3
FDM 225	History of Fashion: Classic Through 19th Century	3
or FDM 226	20th Century Trends and Designs	(3)
FDM 230	Fashion Buying	3
FDM 235	Fashion Promotion	3
FDM 240	Visual Merchandising	3
Plus 9 credits from the following:		
BUS 240	Advertising	3
or BUS 243	Marketing	(3)
BUS 248	Small Business Management	3
or BUS 249	Entrepreneurship	(4)
BUS 283	Management and Supervision	3
or BUS 286	Human Relations	(3)
Plus 3 credits from the following:		
BUS 170*	Dealing with Change	.5
BUS 171*	Team Building	.5
BUS 172*	Communicating with People	.5
BUS 173*	Conflict Resolution	.5
BUS 174*	Customer Service	.5
BUS 175*	Values & Ethics	.5
BUS 176*	Attitude in the Workplace	.5
BUS 177*	Stress Management	.5
BUS 178*	Decision Making & Problem Solving	.5
BUS 179*	Time Management	.5
FDM 216	Fashion Illustration	3
or FDM 218	Commercial Fashion Design	(3)
FDM 225**	History of Fashion: Classic through 19th Century	3
or FDM 226**	20th Century Trends and Designs	(3)
FDM 247	Independent Study: Fashion Design and Merchandising	.5-2
or WEXP 252	Cooperative Work Experience Education - Occupational	(.5)
and WEXP 252L	Cooperative Work Experience Lab - Occupational	(.5-3.5)
FDM 260	Product Development	3

* No more than 3 credits

** If not used for required credits

GEOLOGY

A.S., GEOLOGY

Required Courses (38-39 credits)

CHEM 201A	General College Chemistry	5
CHEM 201B	General College Chemistry	5
GEOL 210	Physical Geology	4
GEOL 211	Historical Geology	4
or GEOL 220	Geology of California	(3)
and GEOL 229A	Geological Science Field Studies	(1)
and GEOL 229B	Geological Science Field Studies	(1)
MATH 265A	Analytic Geometry and Calculus	5
MATH 265B	Analytic Geometry and Calculus	5
PHYS 208A	Principles of Physics	5
PHYS 208B	Principles of Physics	5

HISTORY

A.A., HISTORY

Required Courses (12 credits)

HIST 203A	History of World Civilizations	3
or HIST 203B	History of World Civilizations	(3)
or HIST 208A	History of Latin America	(3)
or HIST 208B	History of Latin America	(3)
or HIST 219	History of the Far East	(3)
or HIST 235	History of African Civilization	(3)
HIST 204A	History of Western Civilization	3
or HIST 204B	History of Western Civilization	(3)
HIST 207A	History of the United States	3
or HIST 207B	History of the United States	(3)
POLS 204	World Politics	3
or POLS 206	Comparative Government	(3)
or 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 Woman	3
HIST 260	History of the San Simeon Region	3

* If not used for required credits.

HOSPITALITY

A.S., HOSPITALITY

Required Courses (28 credits)

HOSP 105*	Front Office Operations	3
HOSP 110*	Hospitality Marketing and Sales	3
HOSP 115*	Housekeeping Operations	3
HOSP 120*	Supervision in the Hospitality Industry	3
HOSP 125*	Hospitality Law	3
HOSP 130*	Food and Beverage Operations	3
HOSP 135*	Hospitality Security and Loss Prevention	3
HOSP 140*	Hospitality Training and Development Skills	3
WEXP 151/151L	Cooperative Work Experience Education - General	1-3
or WEXP 252/252L	Cooperative Work Experience Education - Occupational	(1-4)
Plus 4 credits from the following:		
BUS 201A	Principles of Accounting	4
or BUS 201B	Principles of Accounting	(4)
BUS 251	Elements of Accounting	4
CIS 210	Introduction to Computer Applications	4
MATH 123	Elementary Algebra	5

* Completion of courses earns Hotel Lodging Association Hospitality certificates.

INSTRUCTION

C.A., HOSPITALITY

Required Courses (24 credits)

HOSP 105	Front Office Operations	3
HOSP 110	Hospitality Marketing and Sales	3
HOSP 115	Housekeeping Operations	3
HOSP 120	Supervision in the Hospitality Industry	3
HOSP 125	Hospitality Law	3
HOSP 130	Food and Beverage Operations	3
HOSP 135	Hospitality Security and Loss Prevention	3
HOSP 140	Hospitality Training and Development Skills	3

INTERIOR DESIGN**A.A., INTERIOR DESIGN**

Required Courses (52-55 credits)

ARCH 221	Design and Visual Communication I	4
CIS 210	Introduction to Computer Applications	4
CTCH 250	Introduction to Construction	3
ENGR 125	AutoCAD	1
ID 135	Professional Practices	3
ID 210	Interior Design	3
ID 212	Textiles	3
ID 215	Design Analysis and Color Theory	3
or FDM 215	Design Analysis and Color Theory	(3)
ID 217	Rendering & Rapid Visualization for Interior Design	3
ID 219	Interior Architectural Drafting	3
ID 220	Materials and Products of Interior Design	3
ID 222	Interior Space and Light Planning	3
ID 229	Healthy & Sustainable Residential Design	3
ID 231	Sustainable Commercial Design	3
ID 234	AutoCAD for Interior Designers	3
ID 240	Design and History of Furniture: Ancient – 18th Century	3
ID 245	Design and History of Furniture: 18th – 20th Century	3
WEXP 252	Cooperative Work Experience Education-Occupational	.5
WEXP 252L	Cooperative Work Experience Lab-Occupational	.5-3.5
Plus 6 credits from the following:		
ARCH 222	Design and Visual Communication II	4
ART 200	Art Appreciation	3
ART 221	Beginning Drawing	2-3
BUS 246	Retail Merchandising	3
BUS 248	Small Business Management	3
BUS 249	Entrepreneurship	4
BUS 286	Human Relations	3
CTCH 180A	Building Code 1, Architectural Design Provisions	3
FDM 240	Visual Merchandising and Display	3
ID 255	Interior Design: California Excursions	2
ID 260	Interior Design: European Excursions	2

C.A., INTERIOR DESIGN

Required Courses (52-55 credits)

ARCH 221	Design and Visual Communication I	4
CIS 210	Introduction to Computer Applications	4
CTCH 250	Introduction to Construction	3
ENGR 125	AutoCAD	1
ID 135	Professional Practices	3
ID 210	Interior Design	3
ID 212	Textiles	3

ID 215	Design Analysis and Color Theory	3
or FDM 215	Design Analysis and Color Theory	(3)
ID 217	Rendering & Rapid Visualization for Interior Design	3
ID 219	Interior Architectural Drafting	3
ID 220	Materials and Products of Interior Design	3
ID 222	Interior Space and Light Planning	3
ID 229	Healthy & Sustainable Residential Design	3
ID 231	Sustainable Commercial Design	3
ID 234	AutoCAD for Interior Designers	3
ID 240	Design and History of Furniture: Ancient – 18th Century	3
ID 245	Design and History of Furniture: 18th – 20th Century	3
WEXP 252	Cooperative Work Experience Education-Occupational	.5
WEXP 252L	Cooperative Work Experience Lab-Occupational	.5-3.5
Plus 6 credits from the following:		
ARCH 222	Design and Visual Communication II	4
ART 200	Art Appreciation	3
ART 221	Beginning Drawing	2-3
BUS 246	Retail Merchandising	3
BUS 248	Small Business Management	3
BUS 249	Entrepreneurship	4
BUS 286	Human Relations	3
CTCH 180A	Building Code 1, Architectural Design Provisions	3
FDM 240	Visual Merchandising and Display	3
ID 255	Interior Design: California Excursions	2
ID 260	Interior Design: European Excursions	2

INTERNATIONAL STUDIES**A.A., INTERNATIONAL STUDIES**

Required Courses (26 credits)

ANTH 203	Cultural Anthropology	3
GEOG 202	Cultural Geography	3
POLS 204	World Politics	3
POLS 206	Comparative Government	3
ECON 201A	Principles of Economics	3
ECON 201B	Principles of Economics	3
2 semester	Foreign Language (French, German, Spanish)	8

JOURNALISM**A.A., JOURNALISM**

Required Courses (24-25 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	2-3
or ART 245	Intermediate Photography	(2-3)
Plus 3 credits from the following:		
BCST 221	Introduction to Broadcasting	3
BCST 226	Writing for Electronic Media	3
SPCM 201A	Public Address	3

LEADERSHIP**C.S., LEADERSHIP STUDIES**

Required Courses (10.5-14 credits)

LDER 247*	Independent Studies: Leadership	.5-2
LDER 261A	Philosophy of Leadership	1.5
LDER 261B	Leadership Success Strategies Seminar	1.5
LDER 262	Student Leadership (minimum 2 semesters)	4-6
LDER 263	Exploring Leadership-Making a Difference	3

* NOTE: The Independent Study course for this certificate must include a project related strictly to Leadership Studies.

C.S., SERVICE LEADERSHIP

Required Courses (7.5-13 credits)

LDER 247*	Independent Studies: Leadership	.5-2
LDER 253	Peer Counseling	2
LDER 255	Community Internship (minimum 2 semesters)	1-3, 1-3
LDER 261A	Philosophy of Leadership	1.5
LDER 261B	Leadership Success Strategies Seminar	1.5

* NOTE: The Independent Study course for this certificate must include a project related strictly to Service Leadership.

LEGAL STUDIES**A.A., LEGAL STUDIES: BUSINESS EMPHASIS**

Required Courses (12 credits)

ECON 201A	Principles of Economics	3
POLS 202	Government of the United States	3
LGL 217	Introduction to Law	3
SOC 201A	Introduction to Sociology	3

Plus 14 credits from the following:

BUS 201A	Principles of Accounting	4
BUS 201B	Principles of Accounting	4
BUS 218	Business Law	3
BUS 245	Introduction to Business	3
CIS 210	Introduction to Computer Applications	4
ECON 201B	Principles of Economics	3
MATH 147	Introduction to Statistics	4
or MATH 149	Statistics for Business	(5)
MATH 255	Calculus for Business and Management	3

A.A., LEGAL STUDIES: SOCIAL SCIENCE EMPHASIS

Required Courses (12 credits)

ECON 201A	Principles of Economics	3
POLS 202	Government of the United States	3
LGL 217	Introduction to Law	3
SOC 201A	Introduction to Sociology	3

Plus 12 credits from the following:

ANTH 203	Cultural Anthropology	3
BUS 218	Business Law	3
ECON 201B	Principals of Economics	3
POLS 201	Introduction to Political Science	3
POLS 204	World Politics	3
POLS 206	Comparative Government	3
POLS 209	Introduction to Political Theory	3
HIST 204A	History of Western Civilization	3
HIST 204B	History of Western Civilization	3
HIST 207A	History of United States	3

HIST 207B	History of United States	3
MATH 147	Introduction to Statistics	4
PHIL 208	Introduction to Logic	3
PHIL 213	Philosophical Classics in Ethics and Social Philosophy	3

LIBERAL ARTS – AREAS OF EMPHASIS**LIBERAL ARTS (NON-TRANSFER)**

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".

- ASSOCIATE IN ARTS DEGREE: Students must complete all of the required courses for Cuesta College AA/AS General Education Pattern.
- 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 area)
- Complete necessary Cuesta College graduation and proficiency requirements. (See Cuesta College Catalog and meet with a counselor)

AREAS OF EMPHASIS:

- 18 credits required from one Area of Emphasis listed below.
- Courses selected can be used to also fulfill GE areas.
- For depth, include a minimum of two courses from a single discipline. For breadth, include at least three disciplines in your selection.

NOTE: Effective Fall 2009, a grade of a "C" or better is required for all courses taken in an area of emphasis.

ELECTIVE UNITS:

Electives may be necessary to total 60 overall units required for the Associate degree.

ARTS, HUMANITIES AND COMMUNICATIONS

These courses emphasize the study of cultural, literary, and humanistic activities, as well as artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have expressed themselves and responded to the world around them through artistic and cultural creation. Students will also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments.

- ASL (American Sign Language) 215A, 215B, 215C
- ART (Art) 200, 203, 204, 205, 206, 220, 221, 222, 223, 224, 229, 230, 231, 232, 240, 241, 244, 245, 253, 268, 270, 271, 273, 280, 281, 282, 283
- BCST (Broadcasting) 221
- DANC (Dance) 225, 228, 250, 252, 255, 256, 258, 260A, 260B, 260C
- DRA (Drama) 201A, 201B, 206, 207, 208, 211A, 215, 218, 248, 251
- ENGL (English) 201B, 201C, 205, 206, 207, 212A, 212B, 213, 215, 216, 217, 231, 244A, 244B, 246A, 246C
- FR (French) 201, 202, 203, 204
- GER (German) 201, 202, 203, 204

- HIST (History) 203A, 203B, 204A, 204B, 207A, 207B, 212, 219, 233, 235, 239
- JOUR (Journalism) 201A, 201B
- MUS (Music) 203A, 203B, 203C, 212, 220, 223, 225, 226, 227, 228, 229, 231, 232A, 233, 235, 237, 238, 239, 245, 246, 253, 255, 258, 259, 270
- PHIL (Philosophy) 205, 206, 209, 212, 213
- SPAN (Spanish) 201, 202, 203, 204
- SPCM (Speech) 201A, 202A, 210, 212, 215

MATHEMATICS AND SCIENCES

These courses emphasize the natural sciences which examine the physical universe, its life forms and its natural phenomena. Courses in Math emphasize the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra. Students will be able to demonstrate an understanding of the methodologies of science as investigative tools. Students will also be able to examine the influence that acquisition of scientific knowledge has on the development of the world's civilization.

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

- BIO (Biology) 201A, 201B, 202, 203, 204, 205, 206, 211, 212, 212L, 216, 220, 220L, 221, 222, 222L, 224
- CHEM (Chemistry) 201A, 201B, 210, 210FAL, 211, 212A, 212B
- GEOL (Geology) 210, 211, 212, 220
- MATH (Mathematics) 229, 231, 232, 236, 242, 247, 255, 265A, 265B, 283, 287
- NUTR (Nutrition) 210, 211
- OCEN (Oceanography) 210, 210L
- PSCI (Physical Science) 201A, 201AL
- PHYS (Physics) 205A, 205B, 208A, 208B, 208C, 210

SOCIAL AND BEHAVIORAL SCIENCES

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, 201A, 202, 203, 220, 221, 225
- CJ (Criminal Justice) 202, 206
- ECE (Early Childhood Education) 201, 202
- ECON (Economics) 201A, 201B, 211
- FMST (Family Studies) 202, 214
- GEOG (Geography) 202
- HIST (History) 203A, 203B, 204A, 204B, 207A, 207B, 208A, 208B, 210, 212, 219, 233, 235, 239
- LGL (Legal Studies) 217
- MATH (Mathematics) 236 or 247
- POLI (Political Science) 201, 202, 204, 206, 209
- PSYC (Psychology) 201, 202, 206, 233
- SOC (Sociology) 201A, 201B, 202, 206, 208

LIBERAL ARTS (TRANSFER)

The Associate of Arts in Liberal Arts Degree is designed for students who wish a broad knowledge of liberal arts and sciences plus additional coursework in an "Area of Emphasis". The Associate of Arts in Liberal Arts Degree would be an ideal choice for those students planning on transferring to the California State University or University of California as the student can satisfy their general education requirements, plus focus on transferable course work that relates to majors at CSU or UC.

- Choose either Option I or II for the General Education pattern related to your educational goal.
- CSU/GE and IGETC patterns are recommended 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 area)
- For ALL OPTIONS: complete necessary Cuesta College graduation and proficiency requirements. (See Cuesta College Catalog and meet with a counselor)
- All classes listed below transfer to CSU. Courses in BOLD also are transferable to UC. Refer to www.ASSIST.org for transfer details.

I. CSU/GE: Students selecting this option must complete all of the required courses for CSU GE Certification.

II. IGETC: Students selecting this option must complete all of the required courses for IGETC Certification.

AREAS OF EMPHASIS:

- 18 credits required from one Area of Emphasis listed below
- Courses selected can be used to also fulfill GE areas.
- For depth, include a minimum of two courses from a single discipline
- For breadth, include at least three disciplines in your selection.
- All courses listed below transfer to CSU
- Courses in BOLD also transfer to UC

NOTE: Effective Fall 2009, a grade of a "C" or better is required for all courses taken in an area of emphasis.

ELECTIVE UNITS:

Electives may be necessary to total 60 overall credits required for the Associate degree.

ARTS, HUMANITIES AND COMMUNICATIONS

These courses emphasize the study of cultural, literary, and humanistic activities, as well as artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have expressed themselves and responded to the world around them through artistic and cultural creation. Students will also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments.

This area of emphasis is for students who are planning to transfer in one of the following majors: Art, Art History, Communications, Drama, English, French, Philosophy, Spanish, German, Music and Philosophy. Students should check with a counselor to determine if this area of emphasis is appropriate for them.

- ASL (American Sign Language) 215A, 215B, 215C
- ART (Art) 200, 203, 204, 205, 206, 220, 221, 222, 223, 224, 229, 230, 231, 232, 240, 241, 244, 245, 253, 268, 270, 271, 273, 280, 281, 282, 283
- BCST (Broadcasting) 221
- DANC (Dance) 225, 228, 250, 252, 255, 256, 258, 260A, 260B, 260C
- DRA (Drama) 201A, 201B, 206, 207, 208, 211A, 215, 218, 248, 251
- ENGL (English) 201B, 201C, 205, 206, 207, 212A, 212B, 213, 215, 216, 217, 231, 244A, 244B, 246A, 246C
- FR (French) 201, 202, 203, 204
- GER (German) 201, 202, 203, 204
- HIST (History) 203A, 203B, 204A, 204B, 207A, 207B, 212, 219, 233, 235, 239
- JOUR (Journalism) 201A, 201B
- MUS (Music) 203A, 203B, 203C, 212, 220, 223, 225, 226, 227, 228, 229, 231, 232A, 233, 235, 237, 238, 239, 245, 246, 253, 255, 258, 259, 270
- PHIL (Philosophy) 205, 206, 209, 212, 213
- SPAN (Spanish) 201, 202, 203, 204
- SPCM (Speech) 201A, 202A, 210, 212, 215

MATHEMATICS AND SCIENCES

These courses emphasize the natural sciences which examine the physical universe, its life forms and its natural phenomena. Courses in Math emphasize the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra. Students will be able to demonstrate an understanding of the methodologies of science as investigative tools. Students will also be able to examine the influence that acquisition of scientific knowledge has on the development of the world's civilization. At least one mathematics course is required for this area of emphasis. This area of emphasis is for students who are planning to transfer in one of the following majors: Biology, Chemistry, Ecology, Engineering, Geology, Marine Biology, Mathematics and Nutrition. Students should check with a counselor to determine if this area of emphasis is appropriate for them.

- BIO (Biology) 201A, 201B, 202, 203, 204, 205, 206, 211, 212, 212L, 216, 220, 220L, 221, 222, 222L, 224
- CHEM (Chemistry) 201A, 201B, 210, 210FAL, 211, 212A, 212B
- GEOL (Geology) 210, 211, 212, 220
- MATH (Mathematics) 229, 231, 232, 236, 242, 247, 255, 265A, 265B, 283, 287
- NUTR (Nutrition) 210, 211
- OCEN (Oceanography) 210, 210L
- PSCI (Physical Science) 201A, 201AL
- PHYS (Physics) 205A, 205B, 208A, 208B, 208C, 210

SOCIAL AND BEHAVIORAL SCIENCES

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.

This area of emphasis is for students who are planning to transfer in one of the following majors: Anthropology, Criminal Justice, Child

Development, Economics*, Family Studies, Geography, History, Political Science, Psychology and Sociology. Students should check with a counselor to determine if this area of emphasis is appropriate for them.

- ANTH (Anthropology) 201, 201A, 202, 203, 220, 221, 225
- CJ (Criminal Justice) 202, 206
- ECE (Early Childhood Education) 201, 202
- ECON (Economics) 201A, 201B, 211
- FMST (Family Studies) 202, 214
- GEOG (Geography) 202
- HIST (History) 203A, 203B, 204A, 204B, 207A, 207B, 208A, 208B, 210, 212, 219, 233, 235, 239
- LGL (Legal Studies) 217
- MATH (Mathematics) 236 or 247
- POLI (Political Science) 201, 202, 204, 206, 209
- PSYC (Psychology) 201, 202, 206, 233
- SOC (Sociology) 201A, 201B, 202, 206, 208

*Students transferring to a CSU or UC as an Economics major should consult with a counselor to determine what area of emphasis is appropriate for them.

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).

LIBRARY/INFORMATION TECHNOLOGY

A.S., LIBRARY/INFORMATION TECHNOLOGY

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

Required Courses (25.5 credits)

CIS 210	Introduction to Computer Applications	4
ENGL 201A	English Composition	4
LIBT 101	Introduction to Library Services	1
LIBT 104	Organizing Information	3
LIBT 105	Library/Information Center Collections	3
LIBT 106	Introduction to the Internet	1
LIBT 108	Library Supervisory Skills	1
LIBT 109	Library Public Services	3
LIBT 114	Information Technology Internship	2
LIBT 115	Technology in the Workplace	2
LIBT 117	Ethics in the Information Age	1
DIST 101	Introduction to Online Courses	.5
Plus 4 credits from the following:		
CAOA 246	Beginning Word Processing: Microsoft Word	3
or CAO 148	Beginning Word Processing: WordPerfect for Windows	(3)
CAOA 160	Microcomputer Operations	3
CAOA 261	Introduction to Spreadsheets	3
CAOA 264	Introduction to Database Management	3
CAOA 265	Desktop Publishing	3
CAOA 167	PowerPoint	1
ECE 234	Children's Literature	3
ECE 207	Guidance of the Young Child	3

INSTRUCTION

HEED 204	Standard First Aid and CPR	2
LIBT 102	Introduction to Web Technologies and Concepts	1
LIBT 207	Web Page Development with XHTML	3
LIBT 110	School Library/Media Center Services	2
LIBT 111	JavaScript Fundamentals	1
LIBT 212	Research Skills for Information Age	1
LIBT 113	Advanced Internet Searching	1
LIBT 116	Multimedia Applications for the Web	2
LIBT 118	Connecting Adolescents with Literature and Libraries	3
LIBT 247	Independent Studies	.5-2

C.A., LIBRARY/INFORMATION TECHNOLOGY

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

Required Courses (17.5 credits)

LIBT 101	Introduction to Library Services	1
LIBT 104	Organizing Information	3
LIBT 105	Library/Information Center Collections	3
LIBT 106	Introduction to the Internet	1
LIBT 108	Library Supervisory Skills	1
LIBT 109	Library Public Services	3
LIBT 114	Information Technology Internship	2
LIBT 115	Technology in the Workplace	2
LIBT 117	Ethics in the Information Age	1
DIST 101	Introduction to Online Courses	.5

Plus 9 credits from the following:

CAOA 246	Beginning Word Processing: Microsoft Word or CAO A 148	Beginning Word Processing: WordPerfect for Windows	3
CAOA 160	Microcomputer Operations	3	
CAOA 261	Introduction to Spreadsheets	3	
CAOA 264	Introduction to Database Management	3	
CAOA 265	Desktop Publishing	3	
CAOA 167	PowerPoint	1	
CIS 210	Introduction to Computer Applications	4	
ECE 234	Children's Literature	3	
ECE 207	Guidance of the Young Child	3	
LIBT 102	Introduction to Web Technologies and Concepts	1	
LIBT 207	Web Page Development with XHTML	3	
LIBT 110	School Library/Media Center Services	2	
LIBT 111	JavaScript Fundamentals	1	
LIBT 212	Research Skills for Information Age	1	
LIBT 113	Advanced Internet Searching	1	
LIBT 116	Multimedia Applications for the Web	2	
LIBT 118	Connecting Adolescents with Literature and Libraries	3	
LIBT 247	Independent Studies	.5-2	

MATHEMATICS

A.S., MATHEMATICS

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 (19 credits)

MATH 265A	Analytic Geometry and Calculus	5
MATH 265B	Analytic Geometry and Calculus	5
MATH 283	Calculus	4
MATH 287	Linear Analysis	5

Plus 8 credits from the following:

CHEM 201A	General College Chemistry	5
CHEM 201B	General College Chemistry	5
MATH 247	Introduction to Statistics	4
PHYS 208A	Principles of Physics	5
PHYS 208B	Principles of Physics	5
PHYS 208C	Modern Physics	3

MEDICAL ASSISTING

A.S., MEDICAL ASSISTING

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)

BIO 212	Human Biology	3
BUS 251	Elements of Accounting	4
CAOA 123	Business English	3
MAST 110	Medical Assisting Basics	2
MAST 111	Medical Assisting Fast Track	12
NRAD 222	Medical Terminology	3
PSYC 201	Introductory Psychology	3
SOC 201A	Introduction to Sociology	3
Plus 3 credits from the following:		
CAOA 128	Office Technology and Telecommunications	3
CAOA 264	Introduction to Database Management	3
MAST 109	Phlebotomy	3.5

C.A., MEDICAL ASSISTING

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 (23 credits)

BIO 212	Human Biology	3
CAOA 123	Business English	3
MAST 110	Medical Assisting Basics	2
MAST 111	Medical Assisting Fast Track	12
NRAD 222	Medical Terminology	3
Plus 3 credits from the following with a minimum grade of "C" for each course:		
BUS 251	Elements of Accounting	4
CAOA 128	Office Technology and Telecommunications	3
CAOA 264	Introduction to Database Management	3
MAST 109	Phlebotomy	3.5
NAST 148	Nursing Assistant	5

C.S., MEDICAL ASSISTING

Required Courses (14 credits)

MAST 110	Medical Assisting Basics	2
MAST 111	Medical Assisting Fast Track	12

C.S., PHLEBOTOMY

Required Course (3 credits)

MAST 109	Phlebotomy	3.5
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MUSIC

A.A., JAZZ STUDIES

Required Courses (21 credits)

MUS 203A	Music Theory	5
MUS 203B	Music Theory	5
MUS 203C	Music Theory	3
MUS 212	Applied Music (4 times)	8

Plus 8 credits from the following:

MUS 223	Vocal Jazz Ensemble	2-3
MUS 231	Jazz Ensemble	1-3
MUS 233	Jazz Improvisation	2
MUS 232A	Concert Jazz Ensemble	1-3

Plus 6 credits from the following:

MUS 220	Elementary Voice	2
MUS 238	Music Appreciation: Jazz History	3
MUS 258	Elementary Piano	2
MUS 260	Jazz Piano Techniques	1-2

A.A., MUSIC PERFORMANCE

Required Courses (25 credits)

MUS 203A	Music Theory	5
MUS 203B	Music Theory	5
MUS 203C	Music Theory/Counterpoint	3
MUS 212	Applied Music x 4	8
MUS 220	Elementary Voice	2
or MUS 258	Elementary Piano	(2)
MUS 234	Music Theory/Orchestrating, Scoring & Arranging	2

Plus 8 credits from the following:

MUS 206	Composing for Film and Video	3
MUS 222	Intermediate Voice	2
MUS 223	Vocal Jazz Ensemble	3
MUS 225	Wind Orchestra	2
MUS 226	Band	3
MUS 227	Instrumental Small Ensemble	1-3
MUS 228	Mixed Chorus	1-3
MUS 229	Chamber Singers	2
MUS 231	Jazz Ensemble	3
MUS 232A	Concert Jazz Ensemble	3
MUS 240	Recording Arts I	2
MUS 241	Recording Arts II	2
MUS 250	Music Theater Workshop	3
MUS 251	Music Theater Performance	3
MUS 255	Master Chorale	2
MUS 256	Orchestra	2
MUS 259	Intermediate Piano	2
MUS 262	Choral Music II Baroque	2
MUS 263	Choral Music III Romantic	2
MUS 264	Choral Music IV Modern	2

C.S., AUDIO TECHNOLOGY

Required Courses (16 credits)

MUS 239	Fundamentals of Music	3
MUS 240	Recording Arts I: Fundamentals of Audio Technology	3
MUS 241	Recording Arts II: Studio Workshop I	3
MUS 242	Recording Arts III: Advanced Audio Technology	3
MUS 243	Recording Arts IV: Studio Workshop II	4

NURSING ASSISTANT

C.S., NURSING ASSISTANT

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

Required Course (5 credits)

NAST 148	Nursing Assistant	5
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C.S., NURSING ASSISTANT, ACUTE CARE NURSE ASSISTANT

Required Course (3 credits)

NAST 145	Acute Care Nurse Assistant	3
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C.S., NURSING ASSISTANT, EKG MONITOR OBSERVER

Required Course (2.5 credits)

NAST 125	EKG Monitor Observer	1
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NURSING, LICENSED VOCATIONAL NURSE

C.A., NURSING, LICENSED VOCATIONAL NURSE

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)

LVN 101	Fundamentals Theory and Basics of Nursing	5
LVN 101A	Fundamental Skills	6.5
LVN 101B	Fundamental Clinical	2.5
LVN 102	Maternal Child and Intermediate Vocational Nursing Theory	6
LVN 102A	Intermediate and Medication Skills	6.5
LVN 102B	Maternal/Child and Intermediate Clinical	5.5
LVN 103	Advanced Vocational Nursing Theory	6
LVN 103A	Advanced Skills lab for Vocational Nursing	6.5
LVN 103B	Advanced Vocational Nursing Clinical	5.5
BIO 212	Human Biology	3
ENGL 156	College Reading and Writing	4
MATH 003	Arithmetic	3

C.S., LICENSED VOCATIONAL NURSE, BASIC INTRAVENOUS THERAPY, BLOOD TRANSFUSION, AND PHLEBOTOMY

Student must successfully complete LVN 103B or its equivalent.

Required Courses (2 credits)

LVN 004	Basic Intravenous Therapy, Blood Transfusion, and Phlebotomy	2
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NURSING, REGISTERED

A.S., NURSING, REGISTERED

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.

INSTRUCTION

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)

NRAD 201*	Foundations of Nursing/Caring	2
NRAD 201A*	Nurse Caring Concepts	2
NRAD 201B*	Nurse Caring Practicum I	5
NRAD 201D*	Decision Making Data I	2
NRAD 202A*	Nurse Caring Family Concepts	3
NRAD 202B*	Nurse Caring Practicum II	8
NRAD 202D*	Decision Making Data II	2
NRAD 203A*	Nurse Caring Concepts III	2
NRAD 203B*	Nurse Caring Practicum III	5
NRAD 203D*	Nurse Caring for Medical-Surgical Clients	2
NRAD 204*	Nurse Leadership/Management	1
NRAD 204A*	Nurse Caring Concepts for Clients Psychiatrically at Risk	2
NRAD 204B*	Nurse Caring for People at Risk Practicum	6
NRAD 204D*	Nurse Caring for People at Risk Concepts	2
NRAD 120*	Supplementary Nursing Skills Practice (3 semesters)	.5,.5,.5
BIO 204*	General Bacteriology or Equivalent	4-5
BIO 205*	Human Anatomy	4
BIO 206*	General Human Physiology or Equivalent	4-5
ENGL 201A*	English Composition or Equivalent	3-4
HIST 207A	History of the United States	3
or HIST 207B	History of the United States	(3)
or POLS 202	Government of the United States	(3)
HUMANITIES	Any course meeting graduation requirements	3
PSYC 201*	Introductory Psychology	3
SOC 201A*	Introduction to Sociology	3
SPCM 201A*	Public Address or a course in interpersonal relations or communications skills	3
or SPCM 210	Small Group Discussion	(3)

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

C.A., NURSING, REGISTERED

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)

NRAD 201	Foundations of Nursing/Caring	2
NRAD 201A	Nurse Caring Concepts	2
NRAD 201B	Nurse Caring Practicum I	5
NRAD 201D	Decision Making Data I	2
NRAD 202A	Nurse Caring Family Concepts	3
NRAD 202B	Nurse Caring Practicum II	8
NRAD 202D	Decision Making Data II	2
NRAD 203A	Nurse Caring Concepts III	2
NRAD 203B	Nurse Caring Practicum III	5
NRAD 203D	Nurse Caring for Medical-Surgical Clients	2
NRAD 204	Nurse Leadership/Management	1
NRAD 204A	Nurse Caring Concepts for Clients Psychiatrically at Risk	2
NRAD 204B	Nurse Caring for People at Risk Practicum	6
NRAD 204D	Nurse Caring for People at Risk Concepts	2
NRAD 120	Supplementary Nursing Skills Practice (3 semesters)	.5,.5,.5
BIO 204	General Bacteriology or Equivalent	4-5

BIO 205	Human Anatomy	4
BIO 206	General Human Physiology or Equivalent	4-5
ENGL 201A	English Composition or Equivalent	3-4
PSYC 201	Introductory Psychology	3
SOC 201A	Introduction to Sociology	3
SPCM 201A	Public Address or a course in interpersonal relations or communications skills	3
or SPCM 210	Small Group Discussion	(3)

C.A., NURSING, REGISTERED (30 UNIT OPTION)

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)

NRAD 203	Nursing Transitions	1
NRAD 203A	Nurse Caring Concepts III	2
NRAD 203B	Nurse Caring Practicum III	5
NRAD 203D	Nurse Caring for Medical-Surgical Clients	2
NRAD 203H	Third Semester Readiness Nursing	.5
NRAD 204	Nurse Leadership/Management	1
NRAD 204A	Nurse Caring Concepts for Clients Psychiatrically at Risk	2
NRAD 204B	Nurse Caring for People at Risk Practicum	6
NRAD 204D	Nurse Caring for People at Risk Concepts	2
NRAD 220	Supplementary Nursing Skills Practice	.5
BIO 204	General Bacteriology or Equivalent	5
BIO 212	Human Biology	3

NUTRITION

C.S., NUTRITION

Required Courses (15 credits)

NUTR 210	Nutrition	3
or NUTR 211	Introduction to Nutrition for Health Professionals	(3)
NUTR 218	Maternal & Child Nutrition	3
NUTR 222	Food Customs and Culture	3
NUTR 224	Gerontological Nutrition	3
NUTR 230	Nutrition for Fitness and Sport	3

PARALEGAL

A.A., PARALEGAL

Required Courses (46-48 credits)

BUS 218	Business Law	3
CAOA 123	Business English	3
CAOA 252	Computerized Accounting Using QuickBooks Pro	3
CIS 210	Introduction to Computer Applications	4
CJ 206	Concepts of Criminal Law	3
or CJ 202	Introduction to Criminal Justice	(3)
LGL 217	Introduction to the Law	3
LGL 220	Legal Research and Writing	3
LGL 222	Tort and Insurance Law	3
LGL 123	Estate Planning and Administration	2
LGL 124	Family Law	2
PLGL 101	Introduction to Law Office Procedures for Paralegals	3

PLGL 102A	Law Office Procedures for Family Law	1
PLGL 102B	Law Office Procedures for Estate Planning and Administration	1
PLGL 203	Paralegal Internship	1-3
PLGL 105	Civil Litigation Procedures and Documents	3
PLGL 106	Business Organizations	2
PLGL 130	Interviewing and Investigation for Paralegals	1
PLGL 131	Current Ethical Issues for Paralegals	1
PLGL 132	Legal Terminology for Paralegals	1
RE 163	Legal Aspects of Real Estate	3

C.A., PARALEGAL

Required Courses (46-48 credits)

BUS 218	Business Law	3
CAOA 123	Business English	3
CAOA 252	Computerized Accounting Using QuickBooks Pro	3
CIS 210	Introduction to Computer Applications	4
or CJ 202	Introduction to Criminal Justice	(3)
CJ 206	Concepts of Criminal Law	3
LGL 217	Introduction to the Law	3
LGL 220	Legal Research and Writing	3
LGL 222	Tort and Insurance Law	3
LGL 123	Estate Planning and Administration	2
LGL 124	Family Law	2
PLGL 101	Introduction to Law Office Procedures for Paralegals	3
PLGL 102A	Law Office Procedures for Family Law	1
PLGL 102B	Law Office Procedures for Estate Planning and Administration	1
PLGL 203	Paralegal Internship	1-3
PLGL 105	Civil Litigation Procedures and Documents	3
PLGL 106	Business Organizations	2
PLGL 130	Interviewing and Investigation for Paralegals	1
PLGL 131	Current Ethical Issues for Paralegals	1
PLGL 132	Legal Terminology for Paralegals	1
RE 163	Legal Aspects of Real Estate	3

PARAMEDIC

See Emergency Medical Services

PHYSICAL EDUCATION

A.S., FITNESS, HEALTH AND NUTRITION

Required Courses (28-29 credits)

BIO 205	Human Anatomy	4
or BIO 212	Human Biology	(3)
HEED 202	Health Education	3
HEED 204	Standard First Aid and CPR	2
HEED 206	Health Aspects of Drug Use	3
NUTR 210	Nutrition	3
or NUTR 211	Introduction to Nutrition for Health Professionals	(3)
NUTR 230	Nutrition for Fitness and Sport	3
PETH 204	Recreation Program Planning	3
PETH 213	Introduction to Prevention and Care of Athletic Injuries	2
PETH 214	Foundations for Fitness	3
PETH 218	Exercise Leadership	3

C.A., FITNESS, HEALTH AND NUTRITION

Required Courses (28-29 credits)

BIO 205	Human Anatomy	4
or BIO 212	Human Biology	(3)
HEED 202	Health Education	3
HEED 204	Standard First Aid and CPR	2
HEED 206	Health Aspects of Drug Use	3
NUTR 210	Nutrition	3
or NUTR 211	Introduction to Nutrition for Health Professionals	(3)
NUTR 230	Nutrition for Fitness and Sport	3
PETH 204	Recreation Program Planning	3
PETH 213	Introduction to Prevention and Care of Athletic Injuries	2
PETH 214	Foundations for Fitness	3
PETH 218	Exercise Leadership	3

A.S., PHYSICAL EDUCATION

Required Courses (31 credits)

BIO 205	Human Anatomy	4
BIO 206	General Human Physiology	5
HEED 202	Health Education	3
or HEED 203	Women's Health Issues	(3)
or HEED 208	Multicultural Health Issues	(3)
HEED 204	Standard First Aid and CPR	2
PETH 201	Intro to Kinesiology	3
PETH 213	Introduction to Prevention and Care of Athletic Injuries	2
PETH 214	Foundations for Fitness	3
Plus 4 credits from the following Personal Fitness Courses:		
PEAC 206	Pilates for Fitness and Health	.5-1
PEAC 240	Swimming	.5-1
PEAC 264	Step Training	1
PEAC 265	Adult Fitness	.5-1
PEAC 266	Endurance Conditioning	.5-1
PEAC 268	Stretching Routines for Fitness and Sport	.5-1
PEAC 269	Circuit Weight Training	.5-1
PEAC 270	Weight Training	.5-1
PEAD 200	Adapted Aquatics	1
PEAD 205	Adapted Fitness: Weight Training	.5-1
Plus 2 credits from the following Skills Courses:		
Any PEAT	Intercollegiate Athletics	1
DANC 254	Introduction to Dance	.5-1
DANC 255	Ballet	.5-1
DANC 256	Jazz Dance	.5-1
DANC 258	Dance Choreography and Performance	2
PEAC 241	Springboard Diving	.5-1
PEAC 242	Water Polo	.5-1
PEAC 250	Wrestling	.5-1
PEAC 283	Golf	.5-1
PEAC 285	Tennis	.5-1
PEAC 291	Baseball	.5-1
PEAC 292	Basketball	.5-1
PEAC 295	Soccer	.5-1
PEAC 296	Softball	.5-1
Plus 3 credits from the following:		
HEED 206	Health Aspects of Drug Use	3
NUTR 210	Nutrition	3
PETH 203	Intramural and Recreational Sport Programming	3

Note: No Personal Fitness or Skill course can be counted more than once.

INSTRUCTION

C.S., ATHLETIC TRAINING

Required Courses (14 credits)

BIO 205	Human Anatomy	4
HEED 204	Standard First Aid and CPR	2
NUTR 230	Nutrition for Fitness and Sports	3
PETH 213	Introduction to Prevention and Care and Care of Athletic Injuries	2
PETH 214	Foundations for Fitness	3

C.S., PERSONAL TRAINING

Required Courses (15 credits)

BIO 205	Human Anatomy	4
NUTR 230	Nutrition for Fitness and Sports	3
PETH 213	Introduction to Prevention and Care and Care of Athletic Injuries	2
PETH 214	Foundations for Fitness	3
PETH 218	Exercise Leadership and Assessment	3

PHYSICS**A.S., PHYSICS**

Required Courses (29-31 credits)

MATH 265A	Analytic Geometry and Calculus	5
MATH 265B	Analytic Geometry and Calculus	5
MATH 283	Calculus	3
MATH 185	Differential Equations	3
or MATH 287	Linear Analysis	(5)
PHYS 208A	Principles of Physics	5
PHYS 208B	Principles of Physics	5
PHYS 208C	Modern Physics	3

POLITICAL SCIENCE**A.A., POLITICAL SCIENCE**

Required Courses (18 credits)

POLS 201	Introduction to Political Science	3
POLS 202	Government of the United States	3
POLS 204	World Politics	3
POLS 205	Law and Politics: Introduction to Legal Controversies	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	Minority Group Relations	3

* No more than 6 credits

PSYCHIATRIC TECHNICIAN**A.S., PSYCHIATRIC TECHNICIAN**

Required Courses (71.5 credits)

BIO 212	Human Biology	3
FMST 212	Human Development: Life Span	3
PSYC 201	Introductory Psychology	3
PSYT 207	Nursing Sciences	19.5
PSYT 208	Care of the Developmentally Disabled	18
PSYT 209	Psychiatric Nursing	18.5
PSYT 110	Introduction to Psychiatric Technician	6.5

C.A., PSYCHIATRIC TECHNICIAN

Required Courses (69.5 credits)

PSYT 207	Nursing Sciences	19.5
PSYT 208	Care of the Developmentally Disabled	18
PSYT 209	Psychiatric Nursing	18.5
PSYT 110	Introduction to Psychiatric Technician	6.5
MATH 003	Arithmetic	3
ENGL 156	College Reading and Writing	4

PSYCHOLOGY**A.S., PSYCHOLOGY**

Required Courses (15-16 credits)

MATH 236	Introduction to Applied Statistics	3
or MATH 147	Introduction to Statistics	(4)
PSYC 201	Introduction to Psychology	3
PSYC 202	Introduction to Biological Psychology	3
PSYC 206	Introduction to Social Psychology	3
PSYC 233	Personality and Adjustment	3

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:

ANTH 201	Physical Anthropology	3
ANTH 203	Cultural Anthropology	3
BIO 201A	Biology	5
BIO 201B	Biology	5
BIO 211	Life Science	3
BIO 212	Human Biology	3
FMST 212	Human Development: Life Span	3
FAMST 214	Marriage and Family Relations	3
FMST 218	Human Sexuality	3
SOC 201A	Introduction to Sociology	3
SOC 206	Minority Group Relations	3

RECREATION**A.A., RECREATION ADMINISTRATION**

Required Courses (28 credits)

CIS 210	Introduction to Computer Applications	4
HEED 202	Health Education	3
or HEED 208	Multicultural Health Issues	(3)
HEED 204	Standard First Aid and CPR	2
MATH 147	Introduction to Statistics	4

PETH 203	Intramural and Recreational Sport Programming	3
PETH 204	Recreation Program Planning	3
PETH 206	Introduction to Therapeutic Recreation	3
PETH 207	Introduction to Recreation and Leisure Services	3
PETH 208	Recreation Leadership	3
Plus 6 credits from the following:		
PEAC 206	Pilates for Fitness and Health	.5-1
PEAC 240	Swimming (Intermediate or Advanced Level)	.5-1
PEAC 254	Introduction to Dance	.5-1
PEAC 265	Adult Fitness	.5-1
PEAC 266	Endurance Conditioning	.5-1
PEAC 268	Stretching Routines for Fitness and Sport	.5-1
PEAC 269	Circuit Weight Training	.5-1
PEAC 270	Weight Training	.5-1
PEAC 283	Golf	.5-1
PEAC 285	Tennis	.5-1
PEAC 291	Baseball	.5-1
PEAC 292	Basketball	.5-1
PEAC 295	Soccer	.5-1
PEAC 296	Softball	.5-1
PEAC 297	Volleyball	.5-1

Note: Only one level per activity can be counted toward the completion of the 6 credits.

SOCIOLOGY

A.A., SOCIOLOGY

Required Courses (12 credits)

SOC 201A	Introduction to Sociology	3
SOC 201B	Social Institutions	3
SOC 202	Social Problems	3
SOC 206	Minority Group Relations	3
or SOC 208	Introduction to Women's Studies	3
Plus 9-11 credits from the following:		
ANTH 203	Cultural Anthropology	3
ANTH 225	Contemporary Cultures of the World	3
ECON 201A	Principles of Economics	3
GEOG 202	Cultural Geography	3
POLS 204	World Politics	3
POLS 206	Comparative Government	3
HEED 203	Women's Health Issues	3
HEED 208	Multicultural Health Issues	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 Woman	3
MATH 236	Introduction to Applied Statistics	3
or MATH 147	Introduction to Statistics	(4)
or MATH 149	Statistics for Business	(5)
PHIL 206	Introduction to Philosophy	3
PHIL 208	Introduction to Logic	3
PHIL 209	World Religions	3
PSYC 201	Introduction to Psychology	3

PSYC 206	Introduction to Social Psychology	3
SOC 204	Introduction to Criminology	3

C.S., WOMEN'S STUDIES

Required Courses (3 credits)

SOC 208	Introduction to Women's Studies	3
Plus 12 credits from the following:		
ENGL 217	Literature by Women	3
FMST 215	Developmental Patterns of Women	3
HEED 203	Women's Health Issues	3
HIST 237	History of American Women	3
HIST 239	History of the Role of Women	3
NUTR 218	Maternal & Child Nutrition	3

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).

WEB DEVELOPMENT TECHNOLOGIES

C.A., WEB DEVELOPMENT TECHNOLOGIES

Required Courses (20 credits)

ART 220	Fundamentals of 2-Dimensional Design	3
BUS 243	Marketing	3
BUS 248	Small Business Management	3
LIBT 102	Introduction to Web Technologies and Concepts	1
LIBT 106	Introduction to the Internet	1
LIBT 107	Web Page Development with XHTML	3
LIBT 111	JavaScript Fundamentals	1
LIBT 114	Information Technology Internship	2
LIBT 116	Multimedia Applications for the Web	2
LIBT 117	Ethics in the Information Age	1
Plus 6 credits from the following:		
ART 255	Adobe Illustrator: Art, Design, and Photography	1
ART 256	Adobe Photoshop: Art, Design, and Photography	1
ART 266	Graphic Design	3
ART 267	Intermediate Graphic Design	3
ART 293	Portfolio Presentation	3
BUS 260	International Business	3
BUS 283	Management and Supervision	3
CAOA 264	Introduction to Database Management	3
CAOA 268	Introduction to Photoshop	3
CIS 103	Fundamentals of Programming for the Internet	2
CIS 128	Windows Server Administration	3
CIS 143	Web Site Administration	4
CIS 217	"C" Programming Language	3
CIS 219	Object Oriented Programming - C++	3
CIS 218	Operating Systems Concepts I	3
ENGL 210	Technical Communication	4
LIBT 120	Fundamentals of Cascading Style Sheets	1

WELDING**A.S., WELDING TECHNOLOGY**

Required Courses (28-32 credits)

ENGL 201A	English Composition	4
or ENGL 210	Technical Communication	(4)
ENGR 226	Engineering Drawing I	4
MATH 123*	Elementary Algebra	5
or MATH 123SI	Elementary Algebra with Supplemental Learning	(5)
WELD 270A	Basic Welding	3-4
WELD 270B	Advanced Welding	3-4
WELD 170C	Welding: GMAW and GTAW	3-4
WELD 277	Metal Fabrication	3
WELD 280	Welding Certification	3-4

* OR satisfactory completion of the math proficiency for graduation.

C.A., WELDING TECHNOLOGY

Required Courses (26-30 credits)

ENGL 256	College Reading and Writing	4
or ENGL 265	Basic Technical Communications	(4)
ENGR 226	Engineering Drawing I	4
MATH 007	Prealgebra	3
WELD 270A	Basic Welding	3-4
WELD 270B	Advanced Welding	3-4
WELD 270C	Welding: GMAW and GTAW	3-4F
WELD 277	Metal Fabrication	3
WELD 280	Welding Certification	3-4

C.S., WELDING TECHNOLOGY

Required Course (3-4 credits)

WELD 280	Welding Certification	3-4
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Non Credit**C.C., INCOME TAX PREPARATION**

Required Courses (0.0 credits)

BUS 510	Introduction to Tax Preparation I	0
BUS 511	Introduction to Tax Preparation II - Software	0
BUS 512	Introduction to Tax Preparation III - Internship	0

C.C., NON CREDIT ENGLISH AS A SECOND LANGUAGE

Required Courses (0.0 credits)

ESL 701	ESL Beginning Literacy - Level 1	0
ESL 702	ESL Beginning Literacy - Level 2	0
ESL 703	ESL Beginning Literacy - Level 3	0
ESL 704	ESL Beginning Literacy - Level 4	0
ESL 705	ESL Beginning Literacy - Level 5	0
ESL 706	ESL Advanced	0

C.C., NON CREDIT VOCATIONAL ENGLISH AS A SECOND LANGUAGE

Required Courses (0.0 credits)

VESL 701	Work-Related Conversational Skills, Level 1	0
VESL 702	Work-Related Conversational Skills, Level 2	0

C.C., SECONDARY EDUCATION

Required Courses (0.0 credits)

MATH 401	HSD Non-Credit Basic Skills, Algebra I	0
MATH 402	HSD Non-Credit Basic Skills, Algebra II	0
MATH 403	HSD Non-Credit Basic Skills, Geometry	0

BIO 401	HSD Non-Credit Basic Skills, Biology	0
CHEM 401	HSD Non-Credit Basic Skills, Chemistry	0
ECON 401	HSD Non-Credit Basic Skills, Economics	0
HIST 401	HSD Non-Credit Basic Skills, World History	0
HIST 402	HSD Non-Credit Basic Skills, U.S. History	0
POLS 401	HSD Non-Credit Basic Skills, Political Science	0
PSYC 401	HSD Non-Credit Basic Skills, Psychology	0
SPAN 401	HSD Non-Credit Basic Skills, Spanish I	0
SPAN 402	HSD Non-Credit Basic Skills, Spanish II	0
SPAN 403	HSD Non-Credit Basic Skills, Spanish III	0
ART 401	HSD Non-Credit Basic Skills, Drawing	0
ART 402	HSD Non-Credit Basic Skills, Painting	0
ART 403	HSD Non-Credit Basic Skills, Ceramics	0
ART 404	HSD Non-Credit Basic Skills, Visual Design	0