

EL CAMINO COLLEGE

COLLEGE CURRICULUM COMMITTEE

November 27, 2012

Approved Curriculum Changes for 2013-2014

HEALTH SCIENCES AND ATHLETICS

NEW COURSES

1. Nursing 150A – Beginning Nursing Process and Fundamental Skills I
Units: 4.0 Lecture: 5.0 Hours Lab: 9.0 to be arranged Faculty Load: 78.33%
(9 week course)
Enrollment Limitation: Admission to Nursing Program
Grading Method: Letter
Credit Status: Associate Degree Credit
CSU Transfer

In this course, students gain the skills and knowledge necessary to provide basic nursing care to the individual and family. Concepts of basic human needs and structural variables such as age, sex, and ethnicity are studied. Select psychomotor skills such as dressing changes and medication administration are practiced in the skills and simulation labs in preparation for clinical practice.

2. Nursing 150B – Beginning Nursing Process and Fundamental Skills II
Units: 3.5 Lecture: 3.0 Hours Lab: 12.0 to be arranged Faculty Load: 80.00%
(9 week course)
Prerequisite: Nursing 150A with a minimum grade of C
Grading Method: Letter
Credit Status: Associate Degree Credit
CSU Transfer

In this course, students will focus on the skills and knowledge needed to assess and care for a patient in the hospital setting. Emphasis will be placed on the nursing process, therapeutic communication, and providing basic care to the individual. Fundamental nursing skills such as medication administration will be carried out in the clinical setting. Particular emphasis will be placed on caring for the geriatric population. The nurse's ethical and legal responsibilities of patient care within the hospital setting will also be addressed.

**COURSE REVIEW; CHANGE IN CONDITIONS OF ENROLLMENT
(Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation)**

1. Nursing 145 – Introduction and Preparation for Nursing
Current Status/Proposed Changes

Prerequisite: English 1A ~~and Mathematics 73~~ or Mathematics 80 with a minimum grade of C in each prerequisite course

Recommended Preparation: Mathematics 73 or Mathematics 80

Recommendation

Prerequisite: English 1A with a minimum grade of C

Recommended Preparation: Mathematics 73 or Mathematics 80

**COURSE REVIEW; CHANGES IN LAB CONTACT HOURS, FACULTY LOAD,
CONDITIONS OF ENROLLMENT (Prerequisite, Corequisite, Recommended
Preparation, or Enrollment Limitation)**

1. Physical Education 6abc – Off-Season Training for Men's Intercollegiate Baseball
Current Status/Proposed Changes

Units: 1.0 Lecture: 0 Hours Lab: ~~2~~ 3.00 Faculty Load: ~~40.00%~~ 15.00%

~~Enrollment Limitation:~~ Recommended Preparation: ~~Tryout~~ High school varsity experience or equivalent skill

Recommendation

Units: 1.0 Lecture: 0 Hours Lab: 3.00 Faculty Load: 15.00%

Recommended Preparation: High school varsity experience or equivalent skill

2. Physical Education 21abc – Off-Season Training for Women's Intercollegiate Cross Country Team
Current Status/Proposed Changes

Units: 1.0 Lecture: 0 Hours Lab: ~~2~~ 3.00 Faculty Load: ~~40.00%~~ 15.00%

~~Enrollment Limitation:~~ Recommended Preparation: ~~Tryout~~ High school varsity experience or equivalent skill

Recommendation

Units: 1.0 Lecture: 0 Hours Lab: 3.00 Faculty Load: 15.00%

Recommended Preparation: High school varsity experience or equivalent skill

3. Physical Education 26abc – Off-Season Training for Men's Intercollegiate Cross Country Team

Current Status/Proposed Changes

Units: 1.0 Lecture: 0 Hours Lab: ~~2~~ 3.00 Faculty Load: ~~40.00%~~ 15.00%

~~Enrollment Limitation:~~ Recommended Preparation: ~~Tryout~~ High school varsity experience or equivalent skill

Recommendation

Units: 1.0 Lecture: 0 Hours Lab: 3.00 Faculty Load: 15.00%

Recommended Preparation: High school varsity experience or equivalent skill

4. Physical Education 66abc – Off-Season Training for Men's Intercollegiate Tennis Team

Current Status/Proposed Changes

Units: 1.0 Lecture: 0 Hours Lab: ~~2~~ 3.00 Faculty Load: ~~40.00%~~ 15.00%

~~Enrollment Limitation:~~ Recommended Preparation: ~~Tryout~~ High school varsity experience or equivalent skill

Recommendation

Units: 1.0 Lecture: 0 Hours Lab: 3.00 Faculty Load: 15.00%

Recommended Preparation: High school varsity experience or equivalent skill

5. Physical Education 76abc – Off-Season Training for Men's Intercollegiate Track and Field Team

Current Status/Proposed Changes

Units: 1.0 Lecture: 0 Hours Lab: ~~2~~ 3.00 Faculty Load: ~~40.00%~~ 15.00%

Recommended Preparation: High school varsity experience or equivalent skill

Recommendation

Units: 1.0 Lecture: 0 Hours Lab: 3.00 Faculty Load: 15.00%

Recommended Preparation: High school varsity experience or equivalent skill

6. Physical Education 121abc – Off-Season Training for Women's Intercollegiate Softball Team

Current Status/Proposed Changes

Units: 1.0 Lecture: 0 Hours Lab: ~~2~~ 3.00 Faculty Load: ~~40.00%~~ 15.00%

~~Enrollment Limitation:~~ Recommended Preparation: ~~Tryout~~ High school varsity experience or equivalent skill

Recommendation

Units: 1.0 Lecture: 0 Hours Lab: 3.00 Faculty Load: 15.00%

Recommended Preparation: High school varsity experience or equivalent skill

7. Physical Education 126abc – Off-Season Training for Women's Intercollegiate Swimming Team

Current Status/Proposed Changes

Units: 1.0 Lecture: 0 Hours Lab: ~~2~~ 3.00 Faculty Load: ~~40.00%~~ 15.00%

~~Enrollment Limitation:~~ Recommended Preparation: ~~Tryout~~ High school varsity experience or equivalent skill

Recommendation

Units: 1.0 Lecture: 0 Hours Lab: 3.00 Faculty Load: 15.00%

Recommended Preparation: High school varsity experience or equivalent skill

8. Physical Education 131abc – Off-Season Training for Women's Intercollegiate Track and Field Team

Current Status/Proposed Changes

Units: 1.0 Lecture: 0 Hours Lab: ~~2~~ 3.00 Faculty Load: ~~40.00%~~ 15.00%

Recommended Preparation: High school varsity experience or equivalent skill

Recommendation

Units: 1.0 Lecture: 0 Hours Lab: 3.00 Faculty Load: 15.00%

Recommended Preparation: High school varsity experience or equivalent skill

Lab Contact Hours: 3 hours

COURSE REVIEW; CHANGES IN CATALOG DESCRIPTION, LAB CONTACT HOURS, FACULTY LOAD, CONDITIONS OF ENROLLMENT (Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation)

1. Physical Education 58abc – Off Season Training for Men's Intercollegiate Swimming Team

Current Status/Proposed Changes

Units: 1.0 Lecture: 0 Hours Lab: ~~2~~ 3.00 Faculty Load: ~~40.00%~~ 15.00%

~~Enrollment Limitation:~~ Recommended Preparation: ~~Tryout~~ High school varsity experience or equivalent skill

This course provides ~~student's conditioning specific to competitive swim training instruction and practice in the advanced techniques of swimming.~~ Students will engage in skill development and swim conditioning ~~as well as resistance training specific to related to competitive swimming.~~

Note: This course is offered in the fall semester and summer session only.

Recommendation

Units: 1.0 Lecture: 0 Hours Lab: 3.00 Faculty Load: 15.00%

Recommended Preparation: High school varsity experience or equivalent skill

This course provides instruction and practice in the advanced techniques of swimming. Students will engage in skill development and swim conditioning related to competitive swimming.

Note: This course is offered in the fall semester and summer session only.

**COURSE REVIEW; CHANGES IN CONDITIONS OF ENROLLMENT
(Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation)**

1. Physical Education 133abc – Off-season Training for Women's Intercollegiate Badminton Team

Current Status/Proposed Changes

~~Enrollment Limitation: Tryout (high school varsity experience or equivalent skill)~~

Recommended Preparation: High school varsity experience or equivalent skill

Recommendation

Recommended Preparation: High school varsity experience or equivalent skill

COURSE REVIEW; CHANGES IN COURSE NUMBER, LAB CONTACT HOURS, FACULTY LOAD, CATALOG DESCRIPTION NOTE

Current Status/Proposed Changes

1. Physical Education 224~~abc~~^{abcd} – Golf

Units: 1.0 Lecture: 0 Hours Lab: ~~2~~ 3.00 Faculty Load: ~~10.00%~~ 15.00%

Note: Student will pay a user fee for each class meeting for ~~9~~ holes 3-par (short course). Student must provide own transportation to and from the golf course.

Recommendation

Physical Education 224 – Golf

Units: 1.0 Lecture: 0 Hours Lab: 3.00 Faculty Load: 15.00%

Note: Student will pay a user fee for each class meeting for 3-par (short course). Student must provide own transportation to and from the golf course.

COURSE REVIEW; CHANGES IN COURSE NUMBER, LAB CONTACT HOURS, FACULTY LOAD

Current Status/Proposed Changes

1. Physical Education ~~238abcd~~ 239 – Slow-Pitch Softball

Units: 1.0 Lecture: 0 Hours Lab: ~~2~~ 3.00 Faculty Load: ~~10.00%~~ 15.00%

Recommendation

Physical Education 239 – Slow-Pitch Softball

Units: 1.0 Lecture: 0 Hours Lab: 3.00 Faculty Load: 15.00%

COURSE REVIEW; CHANGES IN CONDITIONS OF ENROLLMENT (Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation)

1. Physical Education 260 – Basic Principles of Fitness and Weight Control

Current Status/Proposed Changes

Corequisite: ~~one of the following activity courses:~~

Physical Education ~~2ABCD~~ 2 or

Physical Education 3 or

Physical Education ~~4ABCD~~ 4 or

Physical Education ~~1ABCD~~ 10 or

Physical Education 18 or

Physical Education 47 or

Physical Education ~~54ABCD~~ 54 or

Physical Education ~~74ABCD~~ 74 or

Physical Education ~~101ABCD~~ 101 or

Physical Education ~~102ABCD~~ 102 or

Physical Education 135ABCD or

~~Physical Education 204ABCD~~

~~Physical Education 224ABCD~~

~~Physical Education 238ABCD~~

Physical Education ~~240ABCD~~ 240 or

Physical Education ~~241ABCD~~ 241 or

Physical Education ~~245ABCD~~ 245 or

Physical Education 249 or

Physical Education 250 or

~~Physical Education 251ABCD~~ 251 or
~~Physical Education 253ABCD~~ 253 or
~~Physical Education 300ABCD~~ 254 or
~~Physical Education 256ABCD~~ 257 or
Physical Education 258 or
Physical Education 259 or
~~Physical Education 280~~
~~Physical Education 285ABCD~~
~~Physical Education 302ABCD~~
~~Physical Education 350ABCD~~
Physical Education 400ABCD or
Physical Education 401ABCD or
Physical Education 404ABCD or
Physical Education 409ABCD
Recommended Preparation: eligibility for English A ~~or 84~~ and English 84

Recommendation

Corequisite:

Physical Education 2 or
Physical Education 3 or
Physical Education 4 or
Physical Education 10 or
Physical Education 18 or
Physical Education 47 or
Physical Education 54 or
Physical Education 74 or
Physical Education 101 or
Physical Education 102 or
Physical Education 135ABCD or
Physical Education 240 or
Physical Education 241 or
Physical Education 245 or
Physical Education 249 or
Physical Education 250 or
Physical Education 251 or
Physical Education 253 or
Physical Education 254 or
Physical Education 257 or
Physical Education 258 or
Physical Education 259 or
Physical Education 400ABCD or
Physical Education 401ABCD or
Physical Education 404ABCD or

Physical Education 409ABCD

Recommended Preparation: eligibility for English A and English 84

INACTIVATE COURSE

1. Nursing 150 – Beginning Nursing Process and Fundamental Skills

CHANGE IN MAJOR; PROGRAM PREREQUISITES, COURSE REQUIREMENTS, UNITS

1. Nursing A.S. Degree

Current Status/Proposed Changes

Program Prerequisites for the Associate Degree

Nursing Program (All Students)

1. Complete the following courses with a minimum of a 2.5 GPA:
 - a. Anatomy 30 or Anatomy 32 and Physiology 31; or Anatomy and Physiology 34A and Anatomy and Physiology 34B
 - b. Microbiology 33 (All science courses must have been completed within seven years prior to the date the application for the nursing program is submitted.)
 - c. English 1A (not included in the required basic science 2.5 minimum GPA)
 - d. Mathematics 73 or 80 or pass the Mathematics Competency Exam (not included in the required basic science 2.5 minimum GPA)
2. Nursing 48 and Nursing 145 with a minimum grade of C
3. Complete Degrees of Reading Power Test (DRP) with a passing score of 60 or greater.

Additional Prerequisites for Generic Students:

1. Cumulative GPA of 2.5 in all courses completed since high school.
2. Complete the Test of Essential Academic Skills (TEAS) with a state recommended passing score. If a prospective student receives a score below the state recommended score, the student will be required to complete remediation and then retake the TEAS test.

Additional Prerequisites for Upward Mobility Students:

1. Possession of a current California LVN/LPN license and employment as an LVN/LPN in a bedside nursing position for at least one year.
2. Successful completion of a Challenge Exam.

All general education courses and nursing courses must be completed with a minimum grade of C. Please contact a nursing counselor to determine course equivalencies.

Major Requirements		Units
Generic Curriculum		
NURS 48	Dosage Calculations	2
NURSE 145	Introduction and Preparation for Nursing	2
NURS 150	Beginning Nursing Process and Fundamental Skills	7.5
<u>NURS 150A</u>	<u>Beginning Nursing Process and Fundamental Skills I</u>	<u>4</u>
<u>NURS 150B</u>	<u>Beginning Nursing Process and Fundamental Skills II</u>	<u>3.5</u>
NURS 151	Human Development and Health	2
NURS 152	Introduction to Nursing Pharmacology	1
NURS 153	Intermediate Nursing Process I	4.5
NURS 154	Intermediate Nursing Process and Mental Health	4
NURS 155	Health Assessment	1
NURS 156	Advanced Nursing Pharmacology	1
NURS 250	Intermediate Nursing Process and the Family	5.5
NURS 251	Legal and Ethical Considerations in Nursing	1
NURS 253	Intermediate Nursing Process II	4.5
NURS 254	Advanced Nursing Process I	7
NURS 255	Advanced Nursing Process II - Clinical Preceptorship	2.5
ENGL 1B	Literature and Composition	3
PSYC 5	General Psychology	3
SOCI 101	Introduction to Sociology	3

Total Units: ~~54.5~~ 50.5

Students are expected to complete their nursing courses at El Camino College. Credit may be granted for course work completed at an accredited nursing program.

Recommendation

Program Prerequisites for the Associate Degree

Nursing Program (All Students)

1. Complete the following courses with a minimum of a 2.5 GPA:
 - a. Anatomy 30 or Anatomy 32 and Physiology 31; or Anatomy and Physiology 34A and Anatomy and Physiology 34B
 - b. Microbiology 33 (All science courses must have been completed within seven years prior to the date the application for the nursing program is submitted.)
 - c. English 1A (not included in the required basic science 2.5 minimum GPA)
 - d. Mathematics 73 or 80 or pass the Mathematics Competency Exam (not included in the required basic science 2.5 minimum GPA)
2. Nursing 48 and Nursing 145 with a minimum grade of C

3. Complete Degrees of Reading Power Test (DRP) with a passing score of 60 or greater.

Additional Prerequisites for Generic Students:

1. Cumulative GPA of 2.5 in all courses completed since high school.
2. Complete the Test of Essential Academic Skills (TEAS) with a state recommended passing score. If a prospective student receives a score below the state recommended score, the student will be required to complete remediation and then retake the TEAS test.

Additional Prerequisites for Upward Mobility Students:

1. Possession of a current California LVN/LPN license and employment as an LVN/LPN in a bedside nursing position for at least one year.
2. Successful completion of a Challenge Exam.

All general education courses and nursing courses must be completed with a minimum grade of C. Please contact a nursing counselor to determine course equivalencies.

Major Requirements		Units
Generic Curriculum		
NURS 150A	Beginning Nursing Process and Fundamental Skills I	4
NURS 150B	Beginning Nursing Process and Fundamental Skills II	3.5
NURS 151	Human Development and Health	2
NURS 152	Introduction to Nursing Pharmacology	1
NURS 153	Intermediate Nursing Process I	4.5
NURS 154	Intermediate Nursing Process and Mental Health	4
NURS 155	Health Assessment	1
NURS 156	Advanced Nursing Pharmacology	1
NURS 250	Intermediate Nursing Process and the Family	5.5
NURS 251	Legal and Ethical Considerations in Nursing	1
NURS 253	Intermediate Nursing Process II	4.5
NURS 254	Advanced Nursing Process I	7
NURS 255	Advanced Nursing Process II - Clinical Preceptorship	2.5
ENGL 1B	Literature and Composition	3
PSYC 5	General Psychology	3
SOCI 101	Introduction to Sociology	3

Total Units: 50.5

Students are expected to complete their nursing courses at El Camino College. Credit may be granted for course work completed at an accredited nursing program.

HUMANITIES

REACTIVATE COURSE; CHANGES IN DESCRIPTIVE TITLE, CATALOG DESCRIPTION, TRANSFER STATUS, CONDITIONS OF ENROLLMENT (Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation)

Current Status/Proposed Changes

1. English as a Second Language 53C – ~~Introduction to Composition~~ Advanced Essay Writing and Grammar

Units: 4.0 Lecture: 5.0 Hours Lab: 0 Faculty Load: 33.33%

Prerequisite: English as a Second Language ~~53B 52B~~ or ~~qualifying score on test.~~

~~For non-native speakers of English~~ with a minimum grade of C or qualification by assessment

Recommended Preparation: English as a Second Language 52B

CSU Transfer

Proposed UC Transfer

~~A preparatory course for English 1A. Emphasis is on the formal aspects of English composition, including organization, topic sentences, transitions. Grammar problems evidenced in student writing will be treated.~~

This course strengthens college-level writing skills in preparation for English 1A for students learning English as a second language. Students read articles, essays, poetry, and works of fiction or non-fiction. They write well-developed essays in response to their reading. Students review basic grammar and develop advanced grammar and sentence skills. Students are introduced to and use MLA style and research skills to write a short research-based essay.

Recommendation

English as a Second Language 53C —Advanced Essay Writing and Grammar

Units: 4.0 Lecture: 5.0 Hours Lab: 0 Faculty Load: 33.33%

Prerequisite: English as a Second Language 53B with a minimum grade of C or qualification by assessment

Recommended Preparation: English as a Second Language 52B

CSU Transfer

Proposed UC Transfer

This course strengthens college-level writing skills in preparation for English 1A for students learning English as a second language. Students read articles, essays, poetry, and works of fiction or non-fiction. They write well-developed essays in response to their reading. Students review basic grammar and develop advanced grammar and sentence skills. Students are introduced to and use MLA style and research skills to write a short research-based essay.

COURSE REVIEW; CHANGES IN COURSE NUMBER, CATALOG DESCRIPTION, TRANSFER STATUS

Current Status/Proposed Changes

1. Italian 21~~ab~~ – Beginning Conversational Italian

This course is designed to help students develop fluency competency in Italian oral expression, ~~increase~~ oral comprehension, and ~~improve pronunciation of the Italian language~~. ~~Conversational topics are based upon the daily experiences and cultural life of the ethnic areas involved with the Italian language~~ pronunciation, and conversational strategies.

Proposed UC Transfer

Recommendation

Italian 21 – Beginning Conversational Italian

This course is designed to help students develop competency in Italian oral expression, oral comprehension, pronunciation, and conversational strategies.

Proposed UC Transfer

COURSE REVIEW; CHANGES IN COURSE NUMBER, CATALOG DESCRIPTION

Current Status/Proposed Changes

1. Italian 22~~ab~~ – Intermediate Conversational Italian

This course is designed for the intermediate student to develop Italian language fluency in oral expression, increase ~~Italian~~ oral comprehension, and improve ~~Italian~~ pronunciation. Conversational topics are based upon the daily experiences and cultural life of the ethnic areas involved with the Italian language.

Recommendation

Italian 22 – Intermediate Conversational Italian

This course is designed for the intermediate student to develop Italian language fluency in oral expression, increase oral comprehension, and improve pronunciation. Conversational topics are based upon the daily experiences and cultural life of the ethnic areas involved with the Italian language.

COURSE REVIEW; CHANGE IN COURSE NUMBER

Current Status/Proposed Changes

1. French 21~~ab~~ – Beginning Conversational French

Recommendation

French 21 – Beginning Conversational French

Current Status/Proposed Changes

2. French 22~~ab~~ – Intermediate Conversational French

Recommendation

French 22 – Intermediate Conversational French

Current Status/Proposed Changes

3. Spanish 21~~ab~~ – Beginning Conversational Spanish

Recommendation

Spanish 21 – Beginning Conversational Spanish

Current Status/Proposed Changes

4. Spanish 22~~ab~~ – Intermediate Conversational Spanish

Recommendation

Spanish 22 – Intermediate Conversational Spanish

INACTIVATE COURSE

1. English AX – Writing the College Essay

NEW MAJOR

1. English A.A. Degree for Transfer (AA-T)

The English program develops the student's ability to read both prose and poetry with understanding and discernment. The student will acquire competence in writing college-level expository essays and applying research strategies. The student will also develop interpretive and analytical skills through exposure to a wide range of literature. Competencies will be assessed primarily by evaluating the student's critical thinking abilities as demonstrated through written work. Completion of the program prepares the English major for any profession or industry requiring strong communication skills as well as transfer.

The Associate in Arts for Transfer (AA-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are given priority consideration for admission to the CSU

system, but not to a particular campus or major. In order to earn an AA-T degree, students must complete:

- 1) a minimum of 18 semester units in the major
- 2) a minimum 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0
- 3) the CSU General Education Breadth requirements or Intersegmental General Education Transfer Curriculum (IGETC)

Students who have completed the AA-T will have a strong academic foundation in the field and will be prepared for upper division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out of state university should consult with an El Camino College counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AA-T.

Major Requirements		Units
ENGL 1B	Literature and Composition	3
ENGL 1C	Critical Thinking and Composition	3

List A (select two): 6 units

ENGL 15A	Survey of British Literature	3
ENGL 15B	Survey of British Literature	3
ENGL 35	World Literature: 3500 BCE to 1650 CE	3
ENGL 36	World Literature: 1650 CE to Present	3
ENGL 40A	American Literature	3
ENGL 40B	American Literature	3

List B (select one): 3 units

or any course from List A not already selected

ENGL 20	Shakespeare's Plays - Tragedies and Romances	3
ENGL 21	Shakespeare's Plays - Comedies and Histories	3
ENGL 24A	Creative Writing: Introduction to Poetry	3
ENGL 25A	Creative Writing: Introduction to the Craft of Fiction	3
ENGL 31	Mythology and Folklore	3
ENGL 42	Chicano and Latino Literature	3
ENGL 43	African American Literature	3
ENGL 44	The Literature of American Ethnic Groups	3

**List C (select one): minimum 3 units
or any course from List A or List B not already selected**

CHIN 1	Elementary Chinese I	4
CHIN 2	Elementary Chinese II	4
ENGL 98	College Literary Magazine Editing and Publishing	3
FREN 1	Elementary French I	4
FREN 2	Elementary French II	4
FREN 3	Intermediate French I	4
FREN 4	Intermediate French II	4
FREN 5	Advanced French I	3
FREN 6	Advanced French II	3
GERM 1	Elementary German I	4
GERM 2	Elementary German II	4
GERM 3	Intermediate German I	4
HUMA 1	An Introduction to Humanities	3
ITAL 1	Elementary Italian I	4
ITAL 2	Elementary Italian II	4
JAPA 1	Elementary Japanese I	4
JAPA 2	Elementary Japanese II	4
JAPA 3	Intermediate Japanese I	4
JAPA 4	Intermediate Japanese II	4
SPAN 1	Elementary Spanish I	4
SPAN 2	Elementary Spanish II	4
SPAN 3	Intermediate Spanish I	4
SPAN 4	Intermediate Spanish II	4
SPAN 5	Advanced Spanish I	3
SPAN 6	Advanced Spanish II	3
ENGL 12	Introduction to Fiction	3
ENGL 23	Twentieth Century Literature	3
ENGL 26	The Literature of Science Fiction	3
ENGL 27	Children's Literature	3
ENGL 28	Images of Women in Literature	3
ENGL 30	The English Bible as Literature	3
ENGL 34	The Short Story	3
ENGL 39	Literature and Film	3
ENGL 41B	Survey of Film: 1950 to the Present	3
ENGL 47	California Literature	3
ENGL 48	Modern Literature of Latin America	3
ENGL 78	Creative Writing: Screenwriting	3
JOUR 1	News Writing and Reporting	3

Total Units: 18-19

INDUSTRY AND TECHNOLOGY

COURSE REVIEW; CHANGES IN COURSE NUMBER, CONDITIONS OF ENROLLMENT (Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation)

Current Status/Proposed Changes

1. Electronics and Computer Hardware Technology ~~146ab~~ 146 – CompTIA Network+ Certification Preparation for Computer Hardware Systems
Prerequisite: one semester of Electronics and Computer Hardware Technology ~~144ab~~ 140ab with a minimum grade of C

Recommendation

Prerequisite: one semester of Electronics and Computer Hardware Technology 140ab with a minimum grade of C

2. Electronics and Computer Hardware Technology ~~148ab~~ 148 – CompTIA Security+ Certification Preparation for Computer Hardware Systems
Prerequisite: one semester of Electronics and Computer Hardware Technology ~~146ab~~ 140ab with a minimum grade of C

Recommendation

Prerequisite: one semester of Electronics and Computer Hardware Technology 140ab with a minimum grade of C

REACTIVATE COURSE

1. Welding 1 – Introduction to Welding Process

NEW COURSES

1. Construction Technology 200 – General Cabinet Making
Units: 2.0 Lecture: 1.0 Hours Lab: 3.0 Faculty Load: 21.67%
Grading Method: Letter
Credit Status: Associate Degree Credit
CSU Transfer

This course is one in a series of courses designed for students to develop a solid background in the fundamentals of woodworking technology. Students will learn to operate stationary woodworking equipment, hand held power tools and sanding equipment safely. Topics include lumber characteristics, gluing and clamping techniques, filing and chiseling, and fasteners. Students will fabricate free standing woodworking projects.

Note: Four years of journey-level experience is required to be eligible to take the California State Contractor's License for C-6 Cabinet, Millwork and Finish Carpentry examination. Credit toward the four-year requirement is given for construction technology courses.

2. Construction Technology 201 – Upper Residential Cabinets

Units: 2.0 Lecture: 1.0 Hours Lab: 3.0 Faculty Load: 21.67%

Grading Method: Letter

Credit Status: Associate Degree Credit

CSU Transfer

This course is one in a series of courses designed for students to develop a solid background in the fundamentals of woodworking technology. Topics covered include properties of wood and wood products, and the fabrication and installation of upper residential cabinets. Students will learn construction techniques and the multiple support systems used to attach wall or ceiling mounted cabinets.

Note: Four years of journey-level experience is required to be eligible to take the California State Contractor's License for C-6 Cabinet, Millwork and Finish Carpentry examination. Credit toward the four-year requirement is given for construction technology courses.

3. Construction Technology 202 – Base Residential Cabinets

Units: 2.0 Lecture: 1.0 Hours Lab: 3.0 Faculty Load: 21.67%

Grading Method: Letter

Credit Status: Associate Degree Credit

CSU Transfer

This course is one in a series of courses designed for students to develop a solid background in the fundamentals of woodworking technology. Topics covered include, properties of wood and wood products, and the fabrication and installation of base residential cabinets. Student will learn correct construction techniques for load bearing cabinets, appropriate use of toe kicks, and use of sub tops for multiple types of counter top materials.

Note: Four years of journey-level experience is required to be eligible to take the California State Contractor's License for C-6 Cabinet, Millwork and Finish Carpentry examination. Credit toward the four-year requirement is given for construction technology courses.

4. Construction Technology 203 – Dedicated Use Cabinets

Units: 2.0 Lecture: 1.0 Hours Lab: 3.0 Faculty Load: 21.67%

Grading Method: Letter

Credit Status: Associate Degree Credit

CSU Transfer

This course is one in a series of courses designed for students to develop a solid background in the fundamentals of woodworking technology. Topics covered include, properties of wood products, and fabrication and installation of residential dedicated use cabinets. Student will learn correct construction techniques for specialty cabinets such as built in oven, appliance garage, pantry, and wine storage.

Note: Four years of journey-level experience is required to be eligible to take the California State Contractor's License for C-6 Cabinet, Millwork and Finish Carpentry examination. Credit toward the four-year requirement is given for construction technology courses.

5. Construction Technology 210 – Furniture Making Laboratory - Interpreting Commercial Plans

Units: 1.5 Lecture: 0 Hours Lab: 4.5 Faculty Load: 22.50%

Prerequisite: Construction Technology 200 or Construction Technology 201 or Construction Technology 202 or Construction Technology 203 with a minimum grade of C or concurrent enrollment

Grading Method: Letter

Credit Status: Associate Degree Credit

CSU Transfer

This course is one in a series of courses that will give students the opportunity to develop problem solving advanced skills in the design and fabrication of furniture with an emphasis on interpreting commercial plans. Students will learn how to read and understand furniture construction plans. Topics will include the meaning of symbols and calculations, reading dimensions, and verifying accuracy of stacked dimensions in relationship to the overall dimension. Students will produce a furniture piece without any deviation from the original plans.

Note: Four years of journey-level experience is required to be eligible to take the California State Contractor's License for C-6 Cabinet, Millwork and Finish Carpentry examination. Credit toward the four-year requirement is given for construction technology courses.

6. Construction Technology 211 – Furniture Making Laboratory - Plan Modifications
Units: 1.5 Lecture: 0 Hours Lab: 4.5 Faculty Load: 22.50%
Prerequisite: Construction Technology 200 or Construction Technology 201 or Construction Technology 202 or Construction Technology 203 with a minimum grade of C or concurrent enrollment
Grading Method: Letter
Credit Status: Associate Degree Credit
CSU Transfer

This course is one in a series of courses that will give students the opportunity to develop advanced problem solving skills in the design and fabrication of furniture with an emphasis on plan modification. Students will learn how to modify an existing plan. Topics will include using Golden Mean for proper proportion, ergonomics, joinery and construction techniques to achieve a finished piece to the student's specific needs.

Note: Four years of journey-level experience is required to be eligible to take the California State Contractor's License for C-6 Cabinet, Millwork and Finish Carpentry examination. Credit toward the four-year requirement is given for construction technology courses.

7. Construction Technology 212 – Furniture Making Laboratory - Developing Original Plans
Units: 1.5 Lecture: 0 Hours Lab: 4.5 Faculty Load: 22.50%
Prerequisite: Construction Technology 200 or Construction Technology 201 or Construction Technology 202 or Construction Technology 203 with a minimum grade of C or concurrent enrollment
Grading Method: Letter
Credit Status: Associate Degree Credit
CSU Transfer

This course is one in a series of courses that will give students the opportunity to develop problem solving advanced skills in the design and fabrication of furniture with an emphasis on developing original detailed plans. Students will create, draw and construct their own furniture design. Topics will require creating Bill of Materials, plan of procedure and wood and fastener selection.

Note: Four years of journey-level experience is required to be eligible to take the California State Contractor's License for C-6 Cabinet, Millwork and Finish Carpentry examination. Credit toward the four-year requirement is given for construction technology courses.

8. Construction Technology 213 – Furniture Making Laboratory - Building without Plans

Units: 1.5 Lecture: 0 Hours Lab: 4.5 Faculty Load: 22.50%

Prerequisite: Construction Technology 200 or Construction Technology 201 or Construction Technology 202 or Construction Technology 203 with a minimum grade of C or concurrent enrollment

Grading Method: Letter

Credit Status: Associate Degree Credit

CSU Transfer

This course is one in a series of courses structured as a problem-solving approach to furniture making with an emphasis building without plans. Abandoning formal detailed plans, students will use thumbnail sketching techniques to create a furniture design. Thumbnail sketches will be used to create a full size drawing detailing joinery and using coloring techniques to emphasize wood contrasts. Taking measurements directly from full size drawings and referencing joinery details, students will fabricate a furniture piece.

Note: Four years of journey-level experience is required to be eligible to take the California State Contractor's License for C-6 Cabinet, Millwork and Finish Carpentry examination. Credit toward the four-year requirement is given for construction technology courses.

9. Construction Technology 220 – Hinging Systems and Doors

Units: 2.5 Lecture: 1.5 Hours Lab: 3.0 Faculty Load: 25.00%

Prerequisite: Construction Technology 200 or Construction Technology 201 or Construction Technology 202 or Construction Technology 203 with a minimum grade of C or concurrent enrollment

Grading Method: Letter

Credit Status: Associate Degree Credit

CSU Transfer

This course is the study of the principles and operation of hinge mortising and insertion machine (eco-press). Topics include working with hinges, hinging plates, appropriate door construction and installation.

Note: Four years of journey-level experience is required to be eligible to take the California State Contractor's License for C-6 Cabinet, Millwork and Finish Carpentry examination. Credit toward the four-year requirement is given for construction technology courses.

10. Construction Technology 221 – Drawer Systems

Units: 2.5 Lecture: 1.5 Hours Lab: 3.0 Faculty Load: 25.00%

Prerequisite: Construction Technology 200 or Construction Technology 201 or Construction Technology 202 or Construction Technology 203 with a minimum grade of C or concurrent enrollment

Grading Method: Letter

Credit Status: Associate Degree Credit

CSU Transfer

This course is the study of dimensioning and fabrication of drawer boxes, use and installation of slide systems, and commercial jigs and installation tools.

Note: Four years of journey-level experience is required to be eligible to take the California State Contractor's License for C-6 Cabinet, Millwork and Finish Carpentry examination. Credit toward the four-year requirement is given for construction technology courses.

11. Machine Tool Technology 201 – Introduction to Aerospace Fastener Technology

Units: 4.0 Lecture: 2.0 Hours Lab: 6.0 Faculty Load: 43.33%

Recommended Preparation: Mathematics 12 and Machine Tool Technology 40 and Machine Tool Technology 2

Grading Method: Both

Credit Status: Associate Degree Credit

CSU Transfer

In this course, students are introduced to fastener's standard measurement techniques, cold-heading (forging), thread-rolling, centerless grinding, turning, trimming, and interpretation of travelers (routers). Standard aerospace fastener industry practices, safety procedures, and set-ups are emphasized.

12. Machine Tool Technology 203 – Advanced Inspection of Fasteners and Measuring Instruments

Units: 3.0 Lecture: 2.0 Hours Lab: 4.0 Faculty Load: 33.33%

Prerequisite: Machine Tool Technology 2 or equivalent and Machine Tool Technology 40 or equivalent

Grading Method: Both

Credit Status: Associate Degree Credit

CSU Transfer

Students are introduced to advanced fastener inspection. Standard measurement techniques with focus on microscopes, thread pitch gauges, Go-No Go gauges, micrometers, indicators, calipers, gauge-blocks, plug gauges, comparator, and interpretation of travelers. Standard aerospace fastener industry practices are emphasized.

INACTIVATE COURSES

1. Construction Technology 107abcd – Cabinet and Furniture Making
2. Construction Technology 108abcd – Advanced Cabinet Making Laboratory
3. Construction Technology 109abcd – Application and Installation of Euro Style Hardware
4. Manufacturing Technology 2 – Materials and Processes of Manufacturing

CHANGE IN MAJOR; COURSE REQUIREMENTS

1. Construction Technology A.S. Degree Option

Current Status/Proposed Changes

Major Requirements		Units
CTEC 100	Building Fundamentals	4
CTEC 110	Additions and Remodeling	4
CTEC 107abcd	Cabinet and Furniture Making	2
(one semester of Construction Technology 107abcd		
<u>CTEC 172</u>	<u>Residential Electrical Wiring</u>	<u>4</u>
<u>CTEC 180</u>	<u>Residential Plumbing</u>	<u>4</u>
<u>CTEC 200</u>	<u>General Cabinet Making</u>	<u>2</u>

~~a minimum of 24 units from:~~ complete 16 units from:

ARCH 179	Design or Build Studio	4
CTEC 105	Residential Light Steel Framing	2
CTEC 121	Concrete and Formwork	4
CTEC 122	Rough Framing	4
CTEC 131	Roof Framing	4
CTEC 132	Stair Framing	4
CTEC 141	Interior Subcrafts	4
CTEC 142	Exterior Subcrafts	4
CTEC 150	Contract Estimating	3
CTEC 160	Business and Legal Aspects of Contracting	3
CTEC 172	Residential Electrical Wiring	4
CTEC 180	Residential Plumbing	4
<u>CTEC 201</u>	<u>Upper Residential Cabinets</u>	<u>2</u>
<u>CTEC 202</u>	<u>Base Residential Cabinets</u>	<u>2</u>
<u>CTEC 203</u>	<u>Dedicated Use Cabinets</u>	<u>2</u>

Total Units: 34

Recommended Electives:

ARCH 150A	Architectural Drafting I
BUS 17	Personal Finance

CIS 13	Introduction to Computers	
CTEC 95abcd	Cooperative Work Experience Education	
TMAT 1	Technical Mathematics for Vocational Students	

Recommendation

CTEC 100	Building Fundamentals	4
CTEC 110	Additions and Remodeling	4
CTEC 172	Residential Electrical Wiring	4
CTEC 180	Residential Plumbing	4
CTEC 200	General Cabinet Making	2

complete 16 units from:

ARCH 179	Design or Build Studio	4
CTEC 105	Residential Light Steel Framing	2
CTEC 121	Concrete and Formwork	4
CTEC 122	Rough Framing	4
CTEC 131	Roof Framing	4
CTEC 132	Stair Framing	4
CTEC 141	Interior Subcrafts	4
CTEC 142	Exterior Subcrafts	4
CTEC 150	Contract Estimating	3
CTEC 160	Business and Legal Aspects of Contracting	3
CTEC 201	Upper Residential Cabinets	2
CTEC 202	Base Residential Cabinets	2
CTEC 203	Dedicated Use Cabinets	2

Total Units: 34

Recommended Electives:

ARCH 150A	Architectural Drafting I
BUS 17	Personal Finance
CIS 13	Introduction to Computers
CTEC 95abcd	Cooperative Work Experience Education

CHANGE IN MAJOR; COURSE REQUIREMENTS, UNITS

1. Cabinet and Fine Woodworking A.S. Degree Option

Current Status/Proposed Changes

Major Requirements		Units
CTEC 107abcd	Cabinet and Furniture Making	2
CTEC 108abcd	Advanced Cabinet Making Laboratory	1
CTEC 109abcd	Application and Installation of Euro Style Hardware	2.5
(four semesters of CTEC 107abcd, CTEC 108abcd, CTEC 109abcd)		

<u>CTEC 200</u>	<u>General Cabinet Making</u>	<u>2</u>
<u>CTEC 201</u>	<u>Upper Residential Cabinets</u>	<u>2</u>
<u>CTEC 202</u>	<u>Base Residential Cabinets</u>	<u>2</u>
<u>CTEC 203</u>	<u>Dedicated Use Cabinets</u>	<u>2</u>
<u>CTEC 210</u>	<u>Furniture Making Laboratory - Interpreting Commercial Plans</u>	<u>1.5</u>
<u>CTEC 211</u>	<u>Furniture Making Laboratory - Plan Modifications</u>	<u>1.5</u>
<u>CTEC 212</u>	<u>Furniture Making Laboratory - Developing Original Original Plans</u>	<u>1.5</u>
<u>CTEC 213</u>	<u>Furniture Making Laboratory - Building without Plans</u>	<u>1.5</u>
<u>CTEC 220</u>	<u>Hinging Systems and Doors</u>	<u>2.5</u>
<u>CTEC 221</u>	<u>Drawer Systems</u>	<u>2.5</u>

Total Units: ~~24-26~~ 19

Recommended Electives: ~~one course from:~~

ARCH 150A	Architectural Drafting I	3
BUS 17	Personal Finance	3
CADD 5	Introduction to Mechanical Drafting	3
CIS 13	Introduction to Computers	3
CTEC 95abcd	ABCD Cooperative Work Experience Education	2 - 4
CTEC 100	Building Fundamentals	4
CTEC 110	Additions and Remodeling	4
MTT 13A	Introduction to Machine Tool Technology	3
TMAT 1	Technical Mathematics for Vocational Students	3

Recommendation

CTEC 200	General Cabinet Making	2
CTEC 201	Upper Residential Cabinets	2
CTEC 202	Base Residential Cabinets	2
CTEC 203	Dedicated Use Cabinets	2
CTEC 210	Furniture Making Laboratory - Interpreting Commercial Plans	1.5
CTEC 211	Furniture Making Laboratory - Plan Modifications	1.5
CTEC 212	Furniture Making Laboratory - Developing Original Original Plans	1.5
CTEC 213	Furniture Making Laboratory - Building without Plans	1.5
CTEC 220	Hinging Systems and Doors	2.5
CTEC 221	Drawer Systems	2.5

Total Units: 19

Recommended Electives:

ARCH 150A	Architectural Drafting I	3
BUS 17	Personal Finance	3
CADD 5	Introduction to Mechanical Drafting	3
CIS 13	Introduction to Computers	3
CTEC 95abcd	ABCD Cooperative Work Experience Education	2 - 4
CTEC 100	Building Fundamentals	4
CTEC 110	Additions and Remodeling	4

CHANGE IN CERTIFICATE OF ACHIEVEMENT; COURSE REQUIREMENTS, UNITS

1. Construction Technology Certificate of Achievement

Current Status/Proposed Changes

Certificate Requirements		Units
CTEC 100	Building Fundamentals	4
CTEC 110	Additions and Remodeling	4
CTEC 107abcd	Cabinet and Furniture Making	2
(one semester of Construction Technology 107abcd)		
<u>CTEC 172</u>	<u>Residential Electrical Wiring</u>	<u>4</u>
<u>CTEC 180</u>	<u>Residential Plumbing</u>	<u>4</u>
<u>CTEC 200</u>	<u>General Cabinet Making</u>	<u>2</u>

~~a minimum of 24 units from:~~ complete 16 units from:

ARCH 180abcd-179	Design or Build Studio	4
CTEC 105	Residential Light Steel Framing	2
CTEC 121	Concrete and Formwork	4
CTEC 122	Rough Framing	4
CTEC 131	Roof Framing	4
CTEC 132	Stair Framing	4
CTEC 141	Interior Subcrafts	4
CTEC 142	Exterior Subcrafts	4
CTEC 150	Contract Estimating	3
CTEC 160	Business and Legal Aspects of Contracting	3
CTEC 172	Residential Electrical Wiring	4
CTEC 180	Residential Plumbing	4
CTEC 95abcd	Cooperative Work Experience Education	2-4
<u>CTEC 201</u>	<u>Upper Residential Cabinets</u>	<u>2</u>
<u>CTEC 202</u>	<u>Base Residential Cabinets</u>	<u>2</u>
<u>CTEC 203</u>	<u>Dedicated Use Cabinets</u>	<u>2</u>

~~(maximum four semesters of CTEC 95abcd)~~ (maximum of four units for CTEC 95abcd)

General Requirements

ENGL A	Writing the College Essay	3
or qualifying score for English 1A on English Placement Test		
TMAT 1	Technical Mathematics for Vocational Students	3

Total Units: ~~37-40~~ 34

Recommendation

CTEC 100	Building Fundamentals	4
CTEC 110	Additions and Remodeling	4
CTEC 172	Residential Electrical Wiring	4
CTEC 180	Residential Plumbing	4
CTEC 200	General Cabinet Making	2

complete 16 units from:

ARCH 179	Design or Build Studio	4
CTEC 105	Residential Light Steel Framing	2
CTEC 121	Concrete and Formwork	4
CTEC 122	Rough Framing	4
CTEC 131	Roof Framing	4
CTEC 132	Stair Framing	4
CTEC 141	Interior Subcrafts	4
CTEC 142	Exterior Subcrafts	4
CTEC 150	Contract Estimating	3
CTEC 160	Business and Legal Aspects of Contracting	3
CTEC 95abcd	Cooperative Work Experience Education	2-4
CTEC 201	Upper Residential Cabinets	2
CTEC 202	Base Residential Cabinets	2
CTEC 203	Dedicated Use Cabinets	2

(maximum of four units for CTEC 95abcd)

Total Units: 34

2. Cabinet and Fine Woodworking Certificate of Achievement

Current Status/Proposed Changes

Certificate Requirements		Units
CTEC 107abcd	Cabinet and Furniture Making	2
CTEC 108abcd	Advanced Cabinet Making Laboratory	1
CTEC 109abcd	Application and Installation of Euro Style Hardware	2.5
(four semesters of CTEC 107abcd, CTEC 108abcd, CTEC 109abcd)		

complete one course from the following:

ARCH 150A	Architectural Drafting I	3
BUS 17	Personal Finance	3
CADD 5	Introduction to Mechanical Drafting	3
CIS 13	Introduction to Computers	3
CTEC 95abcd	ABCD Cooperative Work Experience Education	2 4
CTEC 100	Building Fundamentals	4
CTEC 110	Additions and Remodeling	4
MTT 13A	Introduction to Machine Tool Technology	3
TMAT 1	Technical Mathematics for Vocational Students	3

<u>CTEC 200</u>	<u>General Cabinet Making</u>	<u>2</u>
<u>CTEC 201</u>	<u>Upper Residential Cabinets</u>	<u>2</u>
<u>CTEC 202</u>	<u>Base Residential Cabinets</u>	<u>2</u>
<u>CTEC 203</u>	<u>Dedicated Use Cabinets</u>	<u>2</u>
<u>CTEC 210</u>	<u>Furniture Making Laboratory - Interpreting</u>	<u>1.5</u>
	<u>Commercial Plans</u>	
<u>CTEC 211</u>	<u>Furniture Making Laboratory - Plan Modifications</u>	<u>1.5</u>
<u>CTEC 212</u>	<u>Furniture Making Laboratory - Developing</u>	<u>1.5</u>
	<u>Original Plans</u>	
<u>CTEC 213</u>	<u>Furniture Making Laboratory - Building without Plans</u>	<u>1.5</u>
<u>CTEC 220</u>	<u>Hinging Systems and Doors</u>	<u>2.5</u>
<u>CTEC 221</u>	<u>Drawer Systems</u>	<u>2.5</u>

Total Units: ~~24-26~~ 19

Recommendation

CTEC 200	General Cabinet Making	2
CTEC 201	Upper Residential Cabinets	2
CTEC 202	Base Residential Cabinets	2
CTEC 203	Dedicated Use Cabinets	2
CTEC 210	Furniture Making Laboratory - Interpreting	1.5
	Commercial Plans	
CTEC 211	Furniture Making Laboratory - Plan Modifications	1.5
CTEC 212	Furniture Making Laboratory - Developing	1.5
	Original Plans	
CTEC 213	Furniture Making Laboratory - Building without Plans	1.5
CTEC 220	Hinging Systems and Doors	2.5
CTEC 221	Drawer Systems	2.5

Total Units: 19

CHANGE IN CERTIFICATE OF ACHIEVEMENT; COURSE REQUIREMENTS

1. Fire Academy

Current Status/Proposed Changes

A Certificate of Achievement will be granted upon completion of all program requirements. At least 50% of the courses required for the Certificate of Achievement must be completed at El Camino College.

Certificate Requirements		Units
FTEC 1	Fire Protection Organization	3
FTEC 15	Fire Academy	12
FTEC 140	Emergency Medical Technician	5
FTEC 141	Emergency Medical Technician Laboratory	1
<u>FTEC 144</u>	<u>Emergency Medical Technician</u>	<u>6</u>

three units from:

FTEC 2	Fire Prevention Technology	3
FTEC 3	Fundamentals of Personal Fire Safety and Survival	3
FTEC 5	Fire Behavior and Combustion	3
FTEC 6	Building Construction for Fire Protection	3
FTEC 9	Fire Apparatus and Equipment	3
FTEC 10	Hazardous Materials	3
FTEC 11	Arson Detection and Control	3
FTEC 19	Fire Service Entrance Preparation	3
FTEC 20	Fire Protection Equipment and Systems	3

Total Units: 24

Other Requirements: Completion of Candidate Physical Agility Test (CPAT) or Fire Fighter Physical Agility Test (FPAT)

Recommendation

FTEC 1	Fire Protection Organization	3
FTEC 15	Fire Academy	12
FTEC 144	Emergency Medical Technician	6

three units from:

FTEC 2	Fire Prevention Technology	3
FTEC 3	Fundamentals of Personal Fire Safety and Survival	3
FTEC 5	Fire Behavior and Combustion	3
FTEC 6	Building Construction for Fire Protection	3
FTEC 9	Fire Apparatus and Equipment	3
FTEC 10	Hazardous Materials	3

FTEC 11	Arson Detection and Control	3
FTEC 19	Fire Service Entrance Preparation	3
FTEC 20	Fire Protection Equipment and Systems	3

Total Units: 24

Other Requirements: Completion of Candidate Physical Agility Test (CPAT) or Fire Fighter Physical Agility Test (FPAT)

NATURAL SCIENCES**NEW MAJOR****1. Geography A.A. Degree for Transfer (AA-T)**

The program is designed to provide students the opportunity to obtain a degree upon successful completion of the requirements of a geography transfer major. The geography student will apply fundamental concepts and principles of natural and cultural systems as studied in a spatial context. Competencies will be assessed by examining the student's ability to explain the relationships between people, places, and environments. Students will also map spatial distributions of natural and cultural features.

The Associate in Arts for Transfer (AA-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are given priority consideration for admission to the CSU system, but not to a particular campus or major. In order to earn an AA-T degree, students must complete:

- 1) a minimum of 18 semester units in the major
- 2) 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0
- 3) the CSU General Education Breadth requirements or Intersegmental General Education Transfer Curriculum (IGETC)

Students who have completed the AA-T will have a strong academic foundation in the field and will be prepared for upper division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out of state university should consult with an El Camino College counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AA-T.

Major Requirements		Units
GEOG 2	Cultural Geography	3
GEOG 1	Physical Geography	3
GEOG 6	Physical Geography Laboratory	1

List A (select two): 6-7 units

GEOG 5	World Regional Geography	3
GEOG 7	Geography of California	3
GEOG 8	Introduction to Geographic Information Systems	4
GEOG 9	Weather and Climate	3

List B: 6 units

ANTH 2	Introduction to Cultural Anthropology	3
GEOL 1	Physical Geology	3

Total Units: 19 – 20

**COURSE REVIEW; CHANGE IN CONDITIONS OF ENROLLMENT
(Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation)**

1. Horticulture 56 – Plant Identification-Shrubs, Vines, Groundcovers

Current Status/Proposed Changes

Recommended Preparation: ~~eligibility for~~ English 84

Recommendation

Recommended Preparation: English 84