



# ASSOCIATE IN SCIENCE DEGREE REQUIREMENTS 2009-2010

## EL CAMINO COLLEGE COUNSELING DIVISION



The Associate in Science Degree is granted upon completion of **60 degree applicable units with a cumulative 2.0 GPA**; in addition, courses taken for the major must have a **C grade or higher** in each course and courses taken for general education, must have a **cumulative GPA of 2.0**. Complete requirements specified under Section A, B, and C.

**SECTION A: GENERAL EDUCATION REQUIREMENTS:** A student has three options as specified in the college catalog to complete the General Education Requirements:

- **OPTION I** is required for students completing the El Camino College major as outlined in the catalog. Complete the specified number of units in categories 1 through 5 and the mathematics competency requirement in category 6.
- **OPTION II** is designed for students completing the CSU GE Breadth Requirements and transfer requirements (refer to the ECC catalog, the guide sheets in counseling, or [www.assist.org](http://www.assist.org))
- **OPTION III** is designed for students completing the Intersegmental General Education Transfer Curriculum (IGETC) and transfer requirements (refer to the ECC catalog, the guide sheets in counseling, or [www.assist.org](http://www.assist.org)).

### OPTION I

1.	<b>NATURAL SCIENCES:</b> (Minimum 3 semester units) ANATOMY 30, 32, 34A; ANTHROPOLOGY 1; ASTRONOMY 20, 25; BIOLOGY 8, 10, 11, 12, 15, 16, 17, 101, 102; CHEMISTRY 1A, 4, 20, 21A; GEOGRAPHY 1, 9; GEOLOGY 1, 2, 6, 15; MICROBIOLOGY 33; OCEANOGRAPHY 10; PHYSICALSCIENCE 25; PHYSICS 1A, 2A, 3A, 11; PHYSIOLOGY 31
2.	<b>SOCIAL AND BEHAVIORAL SCIENCES:</b> (Minimum 3 semester units, one course from A, B, or C) A: AMERICAN STUDIES 7; HISTORY 1A, 1B, 8, 9, 16A, 16B, 17, 18A, 18B, 122; WOMEN'S STUDIES 1 B: POLITICAL SCIENCE 1, 5, 6, 8; C: ANTHROPOLOGY 2, 3, 4, 6, 8, 10; BUSINESS 17, 22; CHILD DEVELOPMENT 103, 104; ECONOMICS 1, 2, 5; ETHNIC STUDIES 1; FAMILY & CONSUMER STUDIES 38; GEOGRAPHY 2, 5, 7; GLOBAL STUDIES 101; HISTORY 5A, 5B, 12A, 12B, 14A, 14B, 19, 22, 25, 27, 37, 140, 141, 152, 178; HISTORY OF SCIENCE 11; PSYCHOLOGY 2, 5, 7, 8, 10, 12, 16, 22; SOCIOLOGY 101, 102, 104, 107, 108, 112  *Students who enrolled at El Camino College between fall 2006-spring 2009 and maintained continuous attendance need to complete six units in Area 2, one course from A or B and one additional course from A, B, or C; see a counselor for details regarding catalog rights.
3.	<b>HUMANITIES:</b> (Minimum 3 semester units) ARCHITECTURE 104; ART 1, 2, 3, 4, 5A, 5B, 6, 7, 9, 108, 109, 150; DANCE 1, 3; ENGLISH 1B, 10, 12, 15A, 15B, 18, 20, 21, 22, 23, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 39, 40A; 40B, 41A, 41B, 42, 43, 44, 46, 47, 48; FASHION 31; FILM 1, 3, 4, 52, 53, 54abc; FOREIGN LANGUAGE (CHINESE, FRENCH, GERMAN, ITALIAN, JAPANESE, SPANISH) course 1-6; FRENCH 24; ITALIAN 24; HUMANITIES 1; MUSIC 3, 11, 12, 13, 15A, 15B; PHILOSOPHY 2, 3, 7, 10, 11, 23; PHOTOGRAPHY 150; SIGN LANGUAGE/INTERPRETER TRAINING 15, 16, 17A, 17B; SPANISH 24, 52A, 52B; SPEECH COMMUNICATION 8; THEATRE 1, 4, 8
4.	<b>LANGUAGE AND RATIONALITY:</b> (Minimum of 6 semester units); One course from A; One course from B.  A. <b>ENGLISH COMPOSITION:</b> (Minimum 3 units, course must be completed with a C grade or higher) BUSINESS 27, 28; ENGLISH 1A; JOURNALISM 1  B. <b>COMMUNICATION AND ANALYTICAL THINKING:</b> (Minimum 3 units) BUSINESS 29; COMP INFO SYSTEMS 13, 16, 80; COMPUTER SCIENCE 1, 10; ENGLISH 1C, 72; JOURNALISM 12; MATH 70 (Students who enrolled at El Camino College prior to Summer 2009 and maintained continuous attendance may use Math 70 to fulfill the requirement) 110, 111, 115, 116, 120, 130, 140, 150, 160, 161, 170, 180, 190, 191, 210, 220, 270; PHILOSOPHY 5, 8; PSYCHOLOGY 3, 9A; SOCIOLOGY 109; SPEECH COMMUNICATION 1, 3, 4, 5, 12, 14; SUPERVISION 27
5.	<b>HEALTH AND PHYSICAL EDUCATION:</b> (Minimum 3 semester units) CONTEMPORARY HEALTH 1; PHYSICAL ACTIVITY OR FITNESS COURSES: DANCE 9ab, 10, 14ab, 16ab, 17abcd, 19ab, 20abcd, 22ab, 23abcd, 32ab, 35abcd, 42ab, 43abcd, 47abcd, 51ab, 52abcd, 53ab, 54abcd, 62abcd; PHYSICAL EDUCATION 1abcd, 2abcd, 4abcd, 5ab, 6abc, 7ab, 14abcd, 15ab, 16abc, 20ab, 21abc, 25ab, 26abc, 35ab, 36abc, 45ab, 46abc, 54abcd, 57ab, 58abc, 60ab, 61abc, 65ab, 66abc, 70ab, 71abc, 74abcd, 75ab, 76abc, 80ab, 81abc, 85ab, 86abc, 87abc, 101abcd, 102abcd, 105ab, 106abc, 110ab, 111abc, 115ab, 116abc, 120ab, 121abc, 125ab, 126abc, 130ab, 131abc, 132ab, 133abc, 135abcd, 204abcd, 208abcd, 218abcd, 221abcd, 224abcd, 232abcd, 238abcd, 240abcd, 241abcd, 244abcd, 245abcd, 246abcd, 251abcd, 253abcd, 256abcd, 280, 282abcd, 285abcd, 300abcd, 302abcd, 400abcd, 401abcd, 402abcd, 404abcd, 407abcd (Students may be exempt by one of the following: 1) pass the Contemporary Health waiver exam; or 2) approval by petition for military service credit or 3) completion of Nursing 151 and 155). *Students who enrolled at El Camino College prior to Fall 2006 and maintained continuous attendance may take Contemporary Health 1 or 4, or 3 PE activity units, or any additional course from Area 2, Social and Behavioral Sciences to meet this requirement
6.	<b>MATHEMATICS COMPETENCY:</b> Pass the Mathematics Competency Test equivalent to intermediate algebra (Math 70 or 73 or 80) or complete one of the following options (option choice depends on when student first enrolled at ECC and addresses student's catalog rights): <b>Option 1:</b> Course must be completed with a C grade or better MATH 70, 73, 80, 110, 111, 115, 116, 120, 130, 140, 150, 160, 161, 170, 180, 190, 191, 210, 220, 270; PSYCHOLOGY 9A; SOCIOLOGY 109 <b>Option 2:</b> Students who enrolled at El Camino College prior to Summer 2009 and have maintained continuous attendance may fulfill the requirement by completing: MATH 40 or 41B, or higher <b>Option 3:</b> Students who enrolled at El Camino College prior to Fall 2006 and have maintained continuous attendance may fulfill the requirement by completing one of the following: MATH 40 or 41B or higher or one of the following courses: BUSINESS 15, ELECTRONICS COMPUTER HARDWARE TECHNOLOGY 20, MACHINE TOOL TECHNOLOGY 40, TECHNICAL MATH 1

ADDITIONAL INFORMATION ON THE SECOND PAGE (REVERSE). INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

**SECTION B: MAJOR REQUIREMENTS:** (Select either 1 or 2) Courses taken for the major must have a C grade or higher.

1. Complete the set of courses specified after the heading, "El Camino College Major Requirements" in one major field section shown in the El Camino College catalog.
2. \*\*Complete the lower division transfer courses for one four-year institution by selecting one of the following options:
  - a. Complete courses equivalent to those shown as requirements in the transfer institution catalog, insofar as such courses are offered at El Camino College.
  - b. Complete transfer major requirements on the guide sheets in the counseling division.

**\*\*If the courses in preparation for the major at the transfer institution do not total a minimum of 18 units, students must complete the El Camino College major in the catalog in their field of interest and will be granted the Associate Degree in the El Camino College major.**

**SECTION C: ELECTIVES:**

**El Camino College Major:** Electives are courses used to reach the total of 60 degree applicable units. If requirements A and B do not total 60 units, then additional units from A and/or B or other degree applicable courses should be taken to bring the total up to 60 units. Students may count up to 6 units of physical education as elective credit for graduation.

**Transfer Major:** if requirements A and B do not total 60 units, then additional units from A and/or B or other degree applicable courses should be taken to bring the total up to 60 units. (Students who decide to transfer to a CSU or UC, electives must be chosen from transferable courses. Students may only count 4 PE units for UC and 6 PE units for CSU to count toward the 60 units as transfer credit).

**RESIDENCE REQUIREMENT:** A minimum of 12 degree applicable units must be successfully completed at El Camino College to receive the Associate Degree.

**SECOND DEGREE:** Students may receive both an Associate in Arts and an Associate in Science Degree upon completion of the specific general education and major requirements for each degree as stated in the catalog.

**DOUBLE MAJOR:** Students may receive a double major upon completion of the major requirements for the second major.

**GRADUATION:** Students must file an intent to graduate petition in the evaluations area located in the Admissions Office by the deadline published in the schedule of classes. Students planning to graduate from ECC should have official transcripts from other colleges attended sent directly to the Admissions/Records Office and meet with an academic counselor at ECC to ensure all requirements have been met before filing for graduation.

**EVALUATION OF DEGREE REQUIREMENTS:** Students who want to graduate from El Camino College with an associate degree will be evaluated according to the following conditions:

- 1) Students who have maintained continuous enrollment may choose to graduate under the catalog requirements in effect a) at the time enrollment began at El Camino College or b) in effect at the time of graduation at El Camino College. Continuous enrollment is defined as enrollment at El Camino College at least one semester (fall or spring), excluding summer and winter session, each academic year; courses must be noted on the transcript with a letter grade, a W, or a CR/NC designation on the transcript;
- 2) Residency requirement- a minimum of 12 degree applicable units must be successfully completed at ECC;
- 3) Unit requirement- 60 degree applicable units are required, to include general education and major requirements;
- 4) General Education requirement- Coursework toward the degree must be completed with a cumulative GPA of 2.0 or higher in work at ECC and in work completed at all colleges;
- 5) English requirement must be completed with a grade of "C" or higher;
- 6) Mathematics requirement must be completed with a grade of "C" or higher;
- 7) Major requirements must be completed with a minimum grade of "C" in all courses toward the major.

**FOREIGN COURSEWORK:** Students who have completed coursework outside of the United States may be able to apply course credits to the associate degree. Students need to have the coursework evaluated by an approved evaluation agency first, and then reviewed by an evaluator at El Camino College. Some courses may have to receive departmental approval. See a counselor for approved agencies.

**A.S. DEGREE – VOCATIONAL**

AIR CONDITIONING & REFRIGERATION	MATHEMATICS
ARCHITECTURE	NURSING
AUTO COLLISION REPAIR/PAINTING	PHYSICAL SCIENCE
AUTOMOTIVE TECHNOLOGY	PHOTOGRAPHY
BUSINESS	QUALITY ASSURANCE
COMPUTER AIDED DESIGN/DRAFTING	RADIOLOGIC TECHNOLOGY
COMPUTER INFORMATION SYSTEMS	RESPIRATORY CARE
CONSTRUCTION TECHNOLOGY	WELDING
COSMETOLOGY	
ELECTRONICS & COMPUTER HARDWARE TECHNOLOGY	
ENVIRONMENTAL HORTICULTURE	
ENVIRONMENTAL TECHNOLOGY	
FASHION	
FIRE AND EMERGENCY TECHNOLOGY	
GENERAL SCIENCE	
LAB TECHNICIAN (MEDICAL)	
LICENSED VOCATIONAL NURSE (at Compton Education Center only)	
MACHINE TOOL TECHNOLOGY	
MANUFACTURING TECHNOLOGY	

**A.S. DEGREE – TRANSFER**

ARCHITECTURE	PRE-OPTOMETRY
ASTRONOMY	PRE-PHARMACY
BIOLOGY	
BUSINESS ADMINISTRATION	
CHEMISTRY	
COMPUTER SCIENCE	
FIRE AND EMERGENCY TECHNOLOGY	
GEOGRAPHY	
GEOLOGY	
INDUSTRIAL TECHNOLOGY	
LAB TECHNICIAN (MEDICAL)	
MATHEMATICS	
PHYSICS	
PRE-DENTISTRY	
PRE-ENGINEERING	
PRE-MEDICINE	