



# EL CAMINO COLLEGE

## Spring 2024 CATALOG ADDENDUM



### **El Camino Community College District A Public Community College**

Serving: El Segundo, Hawthorne, Hermosa Beach, Inglewood,  
Lawndale, Lennox, Manhattan Beach, Redondo Beach, and Torrance

#### **Address**

El Camino College • 16007 Crenshaw Boulevard, Torrance, CA 90506-0001

#### **Telephone Numbers**

1-866-ELCAMINO or 310-532-3670  
Admissions: 310-538-5700  
Telecommunications for the Deaf: (TDD) 310-660-3445

#### **Website**

[www.elcamino.edu](http://www.elcamino.edu)

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## Academic Regulations Evaluative Symbols

A	Excellent	4 points for each unit
B	Good	3 points for each unit
C	Satisfactory	2 points for each unit
D	Passing, less than satisfactory	1 point for each unit
F	Failing	0 points for each unit
P	Pass, at least satisfactory	See Note 1
NP	No Pass, less than satisfactory (formerly NC No Credit)	See Note 1
I	Incomplete	See Note 2
IP	In Progress	See Note 3
W	Withdrawal	See Note 4
MW	Military Withdrawal	See Note 5
EW	Excused Withdrawal	See Note 6
RD	Report Delayed	See Note 7

## Alternative Credit Options High School Equivalent

High School Course	El Camino College Course
Trigonometry, one semester	MATH 170
Physics, one year	PHYS 11 and PHYS 12
Chemistry, one year	CHEM 4
Mechanical Drawing,	Computer Aided Design/one year CADD 5
Language, two years in one	First semester language

## El Camino College Advanced Placement (AP) Credit

AP Exam	ECC Associate Degree		CSU		UC	
Type of Exam	ECC GE Area	ECC Course Equivalent for Major Requirements	CSU GE	Units Earned Toward Transfer	IGETC	Units Earned Toward Transfer
<b>AP Physics 1 &amp; 2 (algebra based)</b>	Natural Sciences 4 semester units	PHYS 2A <b>Score of 5</b> 4 semester units	Area B1 and B3 4 semester units*	4 semester units*	Area 5A ( <i>with lab</i> )	8 quarter/2.7 semester units**

## Graduation Requirements

### Evaluation of Completion of Requirements

Students who want to graduate from El Camino College with an Associate of Arts or Associate of Science degree must file an Intent to Graduate form, which is evaluated according to the following conditions:

1. Catalog requirement - Degree requirements are derived from the catalog in effect at the time the student entered El Camino College or from the current catalog, following the Catalog Rights guidelines (described below). Each catalog is in effect during the academic year for which it was published (fall semester through the summer session).
2. Residency requirement - Students must complete at least 12 degree-applicable semester units of study in residence at El Camino College.
3. Unit requirement - Sixty (60) degree applicable units are required for the associate degree, including appropriate general education and major requirements.
4. General Education requirement - Coursework toward the degree must be completed with a cumulative grade point average (GPA) of 2.0 or higher in work at El Camino College and in work completed at all colleges.
5. English requirement - A minimum grade of "C" in a freshman composition course.
6. Mathematics Competency requirement - A minimum grade of "C" is required in this area.
7. Major requirement - A minimum grade of "C" in all courses toward the major.

## General Education Transfer Patterns

### Associate of Arts

#### General Studies, AA

Humanities:

- CHIN 1 - Elementary Chinese I 5 units
- CHIN 2 - Elementary Chinese II 5 units
- CHIN 3 - Intermediate Chinese I 5 units
- CHIN 24 - Introduction to Chinese Language and Culture 3 units
- COMS 100 - Public Speaking 3 units
- COMS 120 - Argumentation and Debate 3 units
- COMS 130 - Interpersonal Communication 3 units
- COMS 140 - Small Group Communication 3 units
- COMS 260 - Introduction to Intercultural Communication 3 units
- COMS 265 - Mass Communication 3 units
- COMS 270 - Organizational Communication 3 units
  
- ENGL 1B - Literature and Composition 3 units  
or
- ENGL 1BH - Honors Literature and Composition 3 units
  
- ENGL 1C - Critical Thinking and Composition 4 units  
or
- ENGL 1CH - Honors Critical Thinking and Composition 4 units
  
- ENGL 12 - Introduction to Fiction 3 units
- ENGL 15A - Survey of British Literature I 3 units
- ENGL 15B - Survey of British Literature II 3 units
- ENGL 20 - Shakespeare's Plays - Tragedies and Romances 3 units
- ENGL 21 - Shakespeare's Plays - Comedies and Histories 3 units
- ENGL 23A - Introduction to Creative Nonfiction 3 units
- ENGL 24A - Creative Writing: Introduction to Poetry 3 units
- ENGL 24B - Creative Writing: A Workshop in Poetry 3 units
- ENGL 25A - Creative Writing: Introduction to the Craft of Fiction 3 units
- ENGL 27 - Children's Literature 3 units
- ENGL 28 - Images of Women in Literature 3 units
- ENGL 30 - The English Bible as Literature 3 units
- ENGL 31 - Mythology and Folklore 3 units
- ENGL 34 - The Short Story 3 units

- ENGL 35 - World Literature: 3500 BCE to 1650 CE 3 units
- ENGL 36 - World Literature: 1650 CE to Present 3 units
- ENGL 39 - Literature and Film 3 units
- ENGL 40A - American Literature I 3 units
- ENGL 40B - American Literature II 3 units
- ENGL 41B - Survey of Film: 1950 to the Present 3 units
- ENGL 42 - Chicano and Latino Literature 3 units
- ENGL 43 - African American Literature 3 units
- ENGL 44 - The Literature of American Ethnic Groups 3 units
- ENGL 78 - Creative Writing: Screenwriting 3
- FILM 153 - American Independent Cinema 3 units
- FILM 154 - Regional Cinemas 3 units
- FREN 1 - Elementary French I 5 units
- FREN 2 - Elementary French II 5 units
- FREN 3 - Intermediate French I 5 units
- FREN 4 - Intermediate French II 5 units
- FREN 5 - Advanced French I 3 units
- FREN 6 - Advanced French II 3 units
- GERM 1 - Elementary German I 5 units
- GERM 2 - Elementary German II 5 units
  
- HIST 101 - United States History to 1877 3 units  
or
- HIST 101H - Honors United States History to 1877 3 units
  
- HIST 102 - United States History from 1877 to the Present 3 units  
or
- HIST 102H - Honors United States History from 1877 to the Present 3 units
  
- HIST 105 - Women and American History from the Colonial Era to 1877 3 units
- HIST 106 - Women and American History from 1877 to the Present 3 units
- HIST 108 - United States History: The American Indian Experience 3 units
- HIST 110 - The African American in the United States to 1877 3 units
- HIST 111 - The African American in the United States from 1877 to the Present 3 units
- HIST 112 - History of the Chicano in the United States 3 units
- HIST 114 - History of the Asian American in the United States 3 units
  
- HIST 122 - United States Social History: Cultural Pluralism in America 3 units  
or
- HIST 122H - Honors United States Social History: Cultural Pluralism in America 3 units
  
- HIST 128 - History of California 3 units
- HIST 129 - History of Los Angeles 3 units
- HIST 140 - History of Early Civilizations 3 units
- HIST 141 - History of Modern Civilizations 3 units
- HIST 152 - History of Latin America through Independence 3 units
- HIST 154 - A History of Mexico 3 units
- HUMA 1 - An Introduction to the Humanities 3 units
- ITAL 1 - Elementary Italian I 5 units
- ITAL 2 - Elementary Italian II 5 units
- ITAL 24 - Introduction to Italian Culture 3 units
- JAPA 1 - Elementary Japanese I 5 units
- JAPA 2 - Elementary Japanese II 5 units
- JAPA 3 - Intermediate Japanese I 5 units
- JAPA 4 - Intermediate Japanese II 5 units
- JAPA 25 - Cultural Aspects of the Japanese Language 3 units

- JOUR 1 - News Writing and Reporting 3 units
- JOUR 12 - Mass Media and Society 3 units
  
- PHIL 101 - Introduction to Philosophy 3 units  
or
- PHIL 101H - Honors Introduction to Philosophy 3 units
  
- PHIL 103 - Ethics and Society 3 units
  
- PHIL 105 - Critical Thinking and Discourse 3 units  
or
- PHIL 105H - Honors Critical Thinking and Discourse 3 units
  
- PHIL 106 - Introduction to Symbolic Logic 3 units
- PHIL 107 - Philosophy of Religion 3 units
- PHIL 111 - History of Ancient and Medieval Philosophy 3 units
- PHIL 112 - History of Modern Philosophy 3 units
- PHIL 113 - Contemporary Philosophy 3 units
- PHIL 114 - Asian Philosophy 3 units
- PHIL 115 - Existentialism 3 units
- PHIL 117 - Political Philosophy 3 units
- POLI 7 - Political Philosophy 3 units
- SLAN 111 - American Sign Language I 4 units
- SLAN 112 - American Sign Language II 4 units
- SLAN 113 - American Sign Language III 4 units
- SLAN 114 - American Sign Language IV 4 units
- SLAN 130 - Deaf Culture 3 units
  
- SPAN 1 - Elementary Spanish I 5 units  
or
- SPAN 1H - Honors Elementary Spanish I 5 units
  
- SPAN 2 - Elementary Spanish II 5 units
- SPAN 3 - Intermediate Spanish I 5 units
- SPAN 4 - Intermediate Spanish II 5 units
- SPAN 5 - Advanced Spanish I 3 units
- SPAN 6 - Advanced Spanish II 3 units
- SPAN 24 - Introduction to Spanish and Latin American Language and Cultures
- SPAN 52A - Spanish for Native Speakers I 5 units
- SPAN 52B - Spanish for Native Speakers II 5 units

## Associate of Arts-Transfer

### History, AA-T

List B:

one course from Area 1 and Area 2

3 units from Area 1

- AHIS 205A - History of Asian Art - India and Southeast Asia 3 units
- AHIS 205B - History of Asian Art - China, Korea, and Japan 3 units
- AHIS 207 - Art History of Mexico and Central and South America 3 units
- AHIS 209 - History of African Art 3 units
- CHIN 1 - Elementary Chinese I 5 units
- CHIN 2 - Elementary Chinese II 5 units
- CHIN 24 - Introduction to Chinese Language and Culture 3 units
- ENGL 28 - Images of Women in Literature 3 units
- ENGL 31 - Mythology and Folklore 3 units
- ENGL 35 - World Literature: 3500 BCE to 1650 CE 3 units
- ENGL 36 - World Literature: 1650 CE to Present 3 units
- ENGL 42 - Chicano and Latino Literature 3 units
- ENGL 43 - African American Literature 3 units

- FREN 1 - Elementary French I 5 units
  - FREN 2 - Elementary French II 5 units
  - FREN 3 - Intermediate French I 5 units
  - FREN 4 - Intermediate French II 5 units
  - FREN 5 - Advanced French I 3 units
  - FREN 6 - Advanced French II 3 units
  - GERM 1 - Elementary German I 5 units
  - GERM 2 - Elementary German II 5 units
  - HIST 105 - Women and American History from the Colonial Era to 1877 3 units
  - HIST 106 - Women and American History from 1877 to the Present 3 units
  - HIST 110 - The African American in the United States to 1877 3 units
  - HIST 111 - The African American in the United States from 1877 to the Present 3 units
  - HIST 112 - History of the Chicano in the United States 3 units
  - HIST 114 - History of the Asian American in the United States 3 units
  
  - HIST 122 - United States Social History: Cultural Pluralism in America 3 units
- or
- HIST 122H - Honors United States Social History: Cultural Pluralism in America 3 units
  
  - HIST 152 - History of Latin America through Independence 3 units
  - HIST 154 - A History of Mexico 3 units
  - ITAL 1 - Elementary Italian I 5 units
  - ITAL 2 - Elementary Italian II 5 units
  - ITAL 24 - Introduction to Italian Culture 3 units
  - JAPA 1 - Elementary Japanese I 5 units
  - JAPA 2 - Elementary Japanese II 5 units
  - JAPA 3 - Intermediate Japanese I 5 units
  - JAPA 4 - Intermediate Japanese II 5 units
  - JAPA 25 - Cultural Aspects of the Japanese Language 3 units
  - PHIL 114 - Asian Philosophy 3 units
  - SLAN 111 - American Sign Language I 4 units
  - SLAN 112 - American Sign Language II 4 units
  - SLAN 113 - American Sign Language III 4 units
  - SLAN 114 - American Sign Language IV 4 units
  - SLAN 130 - Deaf Culture 3 units
  
  - SPAN 1 - Elementary Spanish I 5 units
- or
- SPAN 1H - Honors Elementary Spanish I 5 units
  
  - SPAN 2 - Elementary Spanish II 5 units
  - SPAN 3 - Intermediate Spanish I 5 units
  - SPAN 4 - Intermediate Spanish II 5 units
  - SPAN 5 - Advanced Spanish I 3 units
  - SPAN 6 - Advanced Spanish II 3 units
  - SPAN 24 - Introduction to Spanish and Latin American Language and Cultures
  - SPAN 52A - Spanish for Native Speakers I 5 units
  - SPAN 52B - Spanish for Native Speakers II 5 units

## Other Degrees

### Associate of Arts Degree

#### A.A. Degree Requirements

3. Humanities:

minimum 3 semester units

- AHIS 101 - Art and Visual Culture: A Global Perspective 3 units
- AHIS 102A - History of Western Art - Prehistoric to Gothic 3 units
- AHIS 102AH - Honors History of Western Art - Prehistoric to Gothic 3 units
- AHIS 102B - History of Western Art - Proto-Renaissance to 19th Century 3 units
- AHIS 102C - History of Western Art - 19th Century to Contemporary Times 3 units
- AHIS 205A - History of Asian Art - India and Southeast Asia 3 units
- AHIS 205B - History of Asian Art - China, Korea, and Japan 3 units
- AHIS 207 - Art History of Mexico and Central and South America 3 units
- AHIS 208 - History of American Art 3 units
- AHIS 208H - Honors History of American Art 3 units
- AHIS 209 - History of African Art 3 units

- ARCH 104 - History of Western Architecture 3 units
- ARCH 107 - World Architecture: Pre-History to Middle Ages 3 units
- ARCH 108 - World Architecture: Gothic to Early Modern 3 units
- ART 150 - The Art of Photography 3 units
- CHIN 1 - Elementary Chinese I 5 units
- CHIN 2 - Elementary Chinese II 5 units
- CHIN 3 - Intermediate Chinese I 5 units
- CHIN 24 - Introduction to Chinese Language and Culture 3 units
- COMS 250 - Oral Interpretation of Literature 3 units
- DANC 101 - Dance Appreciation 3 units
- DANC 103 - History of Dance in the 20th Century 3 units
- ENGL 1B - Literature and Composition 3 units
- ENGL 1BH - Honors Literature and Composition 3 units
- ENGL 12 - Introduction to Fiction 3 units
- ENGL 15A - Survey of British Literature I 3 units
- ENGL 15B - Survey of British Literature II 3 units
- ENGL 18 - Survey of Women Writers: Middle Ages to the Present 3 units
- ENGL 20 - Shakespeare's Plays - Tragedies and Romances 3 units
- ENGL 21 - Shakespeare's Plays - Comedies and Histories 3 units
- ENGL 23A - Introduction to Creative Nonfiction 3 units
- ENGL 24A - Creative Writing: Introduction to Poetry 3 units
- ENGL 24B - Creative Writing: A Workshop in Poetry 3 units
- ENGL 27 - Children's Literature 3 units
- ENGL 28 - Images of Women in Literature 3 units
- ENGL 30 - The English Bible as Literature 3 units
- ENGL 31 - Mythology and Folklore 3 units
- ENGL 34 - The Short Story 3 units
- ENGL 35 - World Literature: 3500 BCE to 1650 CE 3 units
- ENGL 36 - World Literature: 1650 CE to Present 3 units
- ENGL 39 - Literature and Film 3 units
- ENGL 40A - American Literature I 3 units
- ENGL 40B - American Literature II 3 units
- ENGL 41B - Survey of Film: 1950 to the Present 3 units
- ENGL 42 - Chicano and Latino Literature 3 units
- ENGL 43 - African American Literature 3 units
- ENGL 44 - The Literature of American Ethnic Groups 3 units
- ENGL 46 - Sexualities, Identities, and Literature 3 units
- ENGL 48 - Modern Literature of Latin America 3 units
- FASH 31 - History of Costume 3 units
- FILM 105 - Media Aesthetics 3 units
- FILM 110 - Film Appreciation 3 units
- FILM 113 - Screenplay Analysis 3 units
- FILM 153 - American Independent Cinema 3 units
- FILM 154 - Regional Cinemas 3 units
- FREN 1 - Elementary French I 5 units
- FREN 2 - Elementary French II 5 units
- FREN 3 - Intermediate French I 5 units
- FREN 4 - Intermediate French II 5 units
- FREN 5 - Advanced French I 3 units
- FREN 6 - Advanced French II 3 units
- GERM 1 - Elementary German I 5 units
- GERM 2 - Elementary German II 5 units
- GERM 3 - Intermediate German I 5 units
- HUMA 1 - An Introduction to the Humanities 3 units
- ITAL 1 - Elementary Italian I 5 units
- ITAL 2 - Elementary Italian II 5 units
- ITAL 24 - Introduction to Italian Culture 3 units
- JAPA 1 - Elementary Japanese I 5 units
- JAPA 2 - Elementary Japanese II 5 units
- JAPA 3 - Intermediate Japanese I 5 units
- JAPA 4 - Intermediate Japanese II 5 units
- JAPA 25 - Cultural Aspects of the Japanese Language 3 units
- MUSI 101 - Music Fundamentals 3 units
- MUSI 111 - Music Appreciation Survey 3 units
- MUSI 112 - Music Cultures of the World 3 units
- MUSI 112H - Honors Music Cultures of the World 3 units
- MUSI 113 - Survey of Jazz 3 units
- MUSI 116 - History of Rock Music 3 units



- MUSI 117 - Music of the Beatles 3 units
- MUSI 215A - Music History and Literature up to 1750 3 units
- MUSI 215B - Music History and Literature - 1750 to Present 3 units
- PHIL 101 - Introduction to Philosophy 3 units
- PHIL 101H - Honors Introduction to Philosophy 3 units
- PHIL 103 - Ethics and Society 3 units
- PHIL 107 - Philosophy of Religion 3 units
- PHIL 111 - History of Ancient and Medieval Philosophy 3 units
- PHIL 112 - History of Modern Philosophy 3 units
- PHIL 113 - Contemporary Philosophy 3 units
- PHIL 114 - Asian Philosophy 3 units
- PHIL 115 - Existentialism 3 units
- PHIL 117 - Political Philosophy 3 units
- PHIL 120 - Ethics, Law and Society 3 units
- PHOT 150 - The Art of Photography 3 units
- POLI 7 - Political Philosophy 3 units
- SLAN 111 - American Sign Language I 4 units
- SLAN 112 - American Sign Language II 4 units
- SLAN 113 - American Sign Language III 4 units
- SLAN 114 - American Sign Language IV 4 units
- SLAN 130 - Deaf Culture 3 units
- SLAN 131 - Perspective on Deafness 3 units
- SPAN 1 - Elementary Spanish I 5 units
- SPAN 1H - Honors Elementary Spanish I 5 units
- SPAN 2 - Elementary Spanish II 5 units
- SPAN 3 - Intermediate Spanish I 5 units
- SPAN 4 - Intermediate Spanish II 5 units
- SPAN 5 - Advanced Spanish I 3 units
- SPAN 6 - Advanced Spanish II 3 units
- SPAN 24 - Introduction to Spanish and Latin American Language and Cultures
- SPAN 52A - Spanish for Native Speakers I 5 units
- SPAN 52B - Spanish for Native Speakers II 5 units
- THEA 103 - Theatre Appreciation 3 units
- THEA 104 - Dramatic Literature 3 units
- THEA 113 - Introduction to Acting 3 units

## CSU General Education Requirements

### Area B - Physical Universe and its Life Forms

minimum 9 semester units or 12 quarter units

One course must be completed from each subsection; one course must include a laboratory (marked by \*).

#### 1. Physical Sciences:

- [ASTR 12 - Astronomy Laboratory](#) 1 unit \*
- [ASTR 15 - Astrobiology](#) 3 units
- [ASTR 20 - The Solar System](#) 3 units
- [ASTR 20H - Honors The Solar System](#) 3 units
- [ASTR 25 - Stars and Galaxies](#) 3 units
- [ASTR 25H - Honors Stars and Galaxies](#) 3 units
- [CHEM 1A - General Chemistry I](#) 5 units \*
- [CHEM 1B - General Chemistry II](#) 5 units \*
- [CHEM 4 - Beginning Chemistry](#) 5 units \*
- [CHEM 4H - Honors Beginning Chemistry](#) 5 units
- [CHEM 7A - Organic Chemistry I](#) 5 units \*
- [CHEM 7B - Organic Chemistry II](#) 5 units \*
- [CHEM 20 - Fundamentals of Chemistry](#) 5 units \*
- [CHEM 21A - Survey of General and Organic Chemistry](#) 4 units \*
- [CHEM 21B - Survey of Organic and Biochemistry](#) 4 units \*
- [GEOG 1 - Physical Geography](#) 3 units
- [GEOG 6 - Physical Geography Laboratory](#) 1 unit \*
- [GEOG 9 - Weather and Climate](#) 3 units
- [GEOL 1 - Physical Geology](#) 3 units
- [GEOL 2 - History of Planet Earth](#) 3 units

- [GEOL 3 - Physical Geology Laboratory](#) 1 unit \*
- [GEOL 4 - History of Planet Earth Laboratory](#) 1 unit \*
- [GEOL 6 - Earth Science in Education](#) 4 units \*
- [GEOL 7 - Environmental Science I](#) 3 units
- [GEOL 15 - Natural Disasters](#) 3 units
- [GEOL 30 - Geology Laboratory of Death Valley](#) 1 unit \*
- [GEOL 32 - Geology Laboratory of Owens Valley and Sierra Nevada](#) 1 unit \*
- [GEOL 34 - Geology Laboratory of Southeastern California](#) 1 unit \*
- [GEOL 36 - Geology Laboratory of Coastal California](#) 1 unit \*
- [OCEA 10 - Introduction to Oceanography](#) 4 units \*
- [OCEA 10H - Honors Introduction to Oceanography](#) 4 units
- [PSCI 25 - Exploring Physical Sciences](#) 3 units \*
- [PHYS 1A - Mechanics of Solids](#) 4 units \*
- [PHYS 1B - Fluids, Heat and Sound](#) 3 units \*
- [PHYS 1C - Electricity and Magnetism](#) 4 units \*
- [PHYS 1D - Optics and Modern Physics](#) 4 units
- [PHYS 2A - General Physics](#) 4 units \*
- [PHYS 2B - General Physics](#) 4 units \*
- [PHYS 3A - General Physics with Calculus](#) 5 units \*
- [PHYS 3B - General Physics with Calculus](#) 5 units \*
- [PHYS 11 - Descriptive Introduction to Physics](#) 3 units
- [PHYS 12 - Laboratory for Introductory Physics](#) 1 unit \*

## Intersegmental General Education Transfer Curriculum (IGETC)

### IGETC Course Requirements

#### Area 4 Social and Behavioral Sciences

A minimum of 6 semester or 9 quarter units must be distributed as follows: Two courses from at least two different groups/disciplines.

Students that started a CCC prior to Fall 2023 and maintained continuous attendance must have 9 semester/12 quarter units from at least two disciplines. Continuous attendance is defined as enrolled and received a letter grade, W, P/NP in at least one semester in an academic year.

#### Area 5: Physical and Biological Sciences

Two courses, 7-9 semester or 9-12 quarter units; one physical science course, one biological science course; at least one course must include a laboratory (\*indicates a lab course):

##### A. Physical Sciences:

- [ASTR 12 - Astronomy Laboratory](#) 1 unit
- [ASTR 15 - Astrobiology](#) 3 units
- [ASTR 20 - The Solar System](#) 3 units #
- [ASTR 25 - Stars and Galaxies](#) 3 units #
- [ASTR 25H - Honors Stars and Galaxies](#) 3 units
- [CHEM 1A - General Chemistry I](#) 5 units \*
- [CHEM 1B - General Chemistry II](#) 5 units \*
- [CHEM 4 - Beginning Chemistry](#) 5 units \* #
- [CHEM 4H - Honors Beginning Chemistry](#) 5 units
- [CHEM 7A - Organic Chemistry I](#) 5 units \*
- [CHEM 7B - Organic Chemistry II](#) 5 units \*
- [CHEM 20 - Fundamentals of Chemistry](#) 5 units \* #
- [CHEM 21A - Survey of General and Organic Chemistry](#) 4 units \*
- [CHEM 21B - Survey of Organic and Biochemistry](#) 4 units \*
- [GEOG 1 - Physical Geography](#) 3 units
- [GEOG 6 - Physical Geography Laboratory](#) 1 unit \*
- [GEOG 9 - Weather and Climate](#) 3 units
- [GEOL 1 - Physical Geology](#) 3 units
- [GEOL 2 - History of Planet Earth](#) 3 units
- [GEOL 3 - Physical Geology Laboratory](#) 1 unit \*
- [GEOL 4 - History of Planet Earth Laboratory](#) 1 unit \*
- [GEOL 7 - Environmental Science I](#) 3 units

- [GEOL 15 - Natural Disasters](#) 3 units ^
- [GEOL 30 - Geology Laboratory of Death Valley](#) 1 unit \*
- [GEOL 32 - Geology Laboratory of Owens Valley and Sierra Nevada](#) 1 unit \*
- [GEOL 34 - Geology Laboratory of Southeastern California](#) 1 unit \*
- [GEOL 36 - Geology Laboratory of Coastal California](#) 1 unit \*
- [OCEA 10 - Introduction to Oceanography](#) 4 units \*
- [PSCI 25 - Exploring Physical Sciences](#) 3 units ?
- [PHYS 1A - Mechanics of Solids](#) 4 units \* #
- [PHYS 1B - Fluids, Heat and Sound](#) 3 units \* #
- [PHYS 1C - Electricity and Magnetism](#) 4 units \* #
- [PHYS 1D - Optics and Modern Physics](#) 4 units \* #
- [PHYS 2A - General Physics](#) 4 units \* #
- [PHYS 2B - General Physics](#) 4 units \* #
- [PHYS 3A - General Physics with Calculus](#) 5 units \* >
- [PHYS 3B - General Physics with Calculus](#) 5 units \* \$
- [PHYS 11 - Descriptive Introduction to Physics](#) 3 units #
- [PHYS 12 - Laboratory for Introductory Physics](#) 1 unit \* #

#### Area 6 UC Only: Language other than English

The requirement may be met by one of the following:

A course at ECC: CHIN 1, FREN 1, GERM 1, ITAL 1, ITAL 2, JAPA 1, SLAN 111 ≠, SPAN 1, SPAN 5, SPAN 6, SPAN 52A, SPAN 52B.

#### Area 7: Ethnic Studies

One course taken fall 2023 or after. These courses may be listed in more than one area but can only be used in Area 4 or 7, not both. Course is required for students who begin at ECC (or any CCC) Fall 2023 or after, ESTU 1, 3.

## Honors Program

### Dean's List

To qualify for the Dean's List, a student must have accumulated at least 12 credit units at El Camino College and have completed six or more graded units at El Camino College in any one semester with a 3.5 grade point average of in all coursework receiving a letter grade that semester. For further information, contact the office of the Vice President, Academic Affairs.

## Faculty

**Hughley, Kevin (2002)**

***Adjunct Assistant Professor, Physical Education***

A.A. El Camino College

B.A. California State University, Dominguez Hills

## Course Descriptions

### ACR 31 - HVAC Electronics

2 units  
2 hours lecture

**Prerequisite:** [ACR 5](#) with a minimum grade of C or equivalent

**Recommended Preparation:** [ACR 21](#)

Credit, degree applicable

Transfer CSU

In this course, the fundamentals of Direct Digital Controls (DDC) used in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems are presented. The topics covered include DDC system components, single and multi-function electronic controls, DDC and pneumatic Variable Air Volume (VAV) systems, variable speed motors, controllers, programmable and configurable logic controller operation and application, introduction to communication protocols, and electronic diagram interpretation.

### ALH 500 - Personal Care Aide

0 units  
5 hours lecture

Noncredit

This noncredit course prepares students to provide personal care to individuals in their homes and for employment in home care agencies and assisted living facilities. Instruction includes the role of the personal and home care aide or caregiver and procedures for assisting clients in performing their activities of daily living. Topics include communication, basic nursing skills, home safety, infection control, use of adaptive equipment, basic nutrition, and meal preparation. Maintaining a clean, safe environment, emergency procedures, and workplace skills are integrated throughout the course.

### ALH 501 - Medical Transcription

0 units  
3 hours lecture

Noncredit

This noncredit course provides instruction in medical transcribing to prepare students for successful employment in a medical office, hospital, related health occupations, or for starting an in-home transcribing business. Students learn Greek and Latin word parts and abbreviations commonly used in medical terminology. Emphasis is placed on correct capitalization, punctuation, and spelling as it relates to medical terminology.

### ALH 502 - Sterile Processing

0 units  
3 hours lecture

Noncredit

This noncredit course prepares students to become safe and competent Sterile Processing Technicians (SPT) in a variety of healthcare facilities. It covers the disinfection, preparation, processing, storage, and issuing of both sterile and non-sterile supplies and equipment for patient care, the operation of sterilization units, and procedures for monitoring the effectiveness of the sterilization process. The course prepares students for the Sterilization Processing and Distribution Technician Certification Exam for becoming a Central Sterilization Processing and Distribution Technician.

Note: *This course requires a lab fee.*

### ANTH 1 - Introduction to Biological Anthropology

3 units  
3 hours lecture

**Recommended Preparation:** [ENGL 1](#) or eligibility for [ENGL 1A](#) or qualification by appropriate assessment

Credit, degree applicable

Transfer CSU, UC

This course explores and emphasizes the evolution and biological diversity of the human species and our closest living relatives, the non-human primates. Topics include genetics, mechanisms of evolutionary change, primate behavior and ecology, human biological variation and human evolutionary history through examination of the fossil record.

Note: Students may take either Anthropology 1 or ANTH 1H. Duplicate credit will not be awarded.

### ANTH 20 - Introduction to Museum Studies

3 units  
3 hours lecture

**Recommended Preparation:** [ANTH 2](#)

Credit, degree applicable

Transfer CSU

This course introduces students to the field of museum studies within an anthropological context. It examines the history of museums, museum careers, ethical issues facing museums, the function and meaning of museum exhibits and the evolving role of the museum in its quest to accurately represent the lives of people from diverse communities. The Anthropology Museum will be used as a model to teach students about museum curation and exhibit design, as well as provide opportunities for the critique and interpretation of anthropological material.

Note: No background in Anthropology is required.

(formerly ANTH 20abcd and ANTH 20A)

### ARCH 107 - World Architecture: Pre-History to Middle Ages

3 units  
3 hours lecture

**Recommended Preparation:** eligibility for ENGL A

Credit, degree applicable

Transfer CSU, UC

In this course, students are introduced to architecture from the pre-history through the middle ages. Structures from pre-history to the early middle ages will be studied, analyzed, and interpreted in terms of their architectural characteristics and their religious, social economic and political context.

### ARCH 108 - World Architecture: Gothic to Early Modern

3 units  
3 hours lecture

**Recommended Preparation:** [ENGL 1](#)

Credit, degree applicable

Transfer CSU, UC

In this course, students are introduced to the architecture from the Italian Renaissance through the Contemporary Architecture. Buildings from late 12th through the 21st centuries will be studied, analyzed and interpreted in terms of their religious, social, economic and political context.

### ARCH 119 - CAD Drawing and Modeling

3 units  
2 hours lecture, 4 hours lab

Credit, degree applicable

Transfer CSU

This is a beginning course in the study of Computer Aided Drafting (CAD) and related programs with regard to Architecture. Students learn the application and drawing conventions necessary to produce construction documents and modeling for a building using the latest version of various CAD softwares. (formerly Architecture 120abcd)

### ART 218B - Life Drawing III

3 units  
2 hours lecture, 4 hours lab

**Prerequisite:** [ART 218A](#) with a minimum grade of C

Credit, degree applicable

Transfer CSU, UC

This advanced Life Drawing course encourages students to develop a cohesive body of artworks that explore individual drawing approaches through directed research. Emphasis is on developing increasingly more complex concepts, themes, and subject matter.

### ART 231 - Typography II

3 units  
2 hours lecture, 4 hours lab

**Prerequisite:** [ART 131](#) with a minimum grade of C

Credit, degree applicable

Transfer CSU, UC

This course continues the study of typographic and lettering fundamentals including the Roman alphabet and its various categories, families and related fonts. Emphasis is placed on creative problem solving including self-generated project themes

and solutions, inventive production strategies, and experimentally-derived aesthetic content. The creation and presentation of a portfolio of art work is also included.  
(formerly Art 42abcd)

**ART 244A - Intermediate 3D Modeling & Animation**

3 units

2 hours lecture/4 hours lab

**Prerequisite:** [ART 144](#) with a minimum grade of C

Credit, degree applicable

This course focuses on the intermediate principles of 3D modeling and animation as applied to 3D props, vehicles and characters. Techniques such as subdivision surface modeling, 3D sculpting and texture mapping will be explored. Students will also be introduced to more advanced character animation techniques to achieve more complex animations. In addition to completing weekly exercises, students will apply the skills they learn to create a short, animated film.

**ART 245A - Intermediate Web Animation and Games**

3 units

2 hours lecture/3 hours lab

**Prerequisite:** Art 145 with a minimum grade of C

Credit, degree applicable

Transfer CSU

This course provides students with continued studies at the intermediate level in creating two-dimensional animations and interactive games for the Web and mobile devices. Emphasis is placed on increasing proficiency in animation techniques, game design, and programming.

**BIOL 75 - Introduction to Biotechnology**

3 units

3 hours lecture

**Prerequisite:** None**Corequisite:** None**Enrollment Limitation:** None**Recommended Preparation:** Beginning algebra or higher or placement by appropriate assessment

Credit, degree applicable

Transfer CSU, UC

This course features an introduction to the field of biotechnology including a history of its origin and development, scientific principles of biotechnology including biomolecules, cell biology, genetics, physiology, and biological energy, a survey of modern industrial applications and accomplishments, ethical considerations, and career paths.

**BIOL 76 - Introduction to Biotechnology Laboratory**

1 unit

3 hours lab

**Prerequisite:** [BIOL 75](#) with a minimum grade of C or concurrent enrollment.**Enrollment Limitation:** None**Recommended Preparation:** Beginning algebra or higher or placement by appropriate assessment

Credit, degree applicable

Transfer CSU, UC

This laboratory is a general examination of biology as it relates to the field of biotechnology. The laboratory addresses basic skills and techniques common to the biotechnology industry. Topics include the measurement of activity and quantity of proteins, growth and manipulation of bacteria, genetic engineering and antibody methods.

**BIOL 77 - Biotechnology A: Basic Lab Skills**

4 units

3 hours lecture, 3 hours lab

**Prerequisite:** None**Corequisite:** None**Enrollment Limitation:** None**Recommended Preparation:** Beginning algebra or higher or placement by appropriate assessment

Credit, degree applicable

Transfer CSU, UC

This course provides an introduction to the fundamental skills necessary for any biotechnology laboratory. Skills include maintenance of an industry standard notebook and preparation

and sterilization of solutions, reagents, and media. Topics also include utilization of a good aseptic technique, proper use and maintenance of laboratory equipment, adherence to quality control protocols, and laboratory safety regulations.

**BUS 115 - Business Mathematics**

3 units

3 hours lecture

**Prerequisite:** [MATH 40](#) or qualification by appropriate assessment**Recommended Preparation:** eligibility for [ENGL 1](#) or eligibility for [ENGL 1A](#) or qualification by appropriate assessment

Credit, degree applicable

Transfer CSU

This course is designed to prepare students for mathematical concepts involving quantitative reasoning and analysis in management, finance, accounting, real estate, and other areas of business. The course content involves a thorough study of all aspects of business mathematics including computational skills, percentages, bank reconciliation, use of business formulas and equations, payroll, discounts, and markup/markdowns, simple and compound interest, present values analysis, annuities and sinking funds, credit, depreciation and inventory, payroll taxes, promissory notes, insurance, financial reports, and business statistics.

Note: Letter grade or pass/no pass option.

(formerly BUS 15)

**BUS 165B - Introduction to Accounting Software Systems**

2 units

1.5 hours lecture/1.5 hours lab

**Prerequisite:** [BUS 150](#) with a minimum grade of C

Credit, degree applicable

Transfer CSU

This course is an introduction to accounting software systems and enterprise resource planning systems such as SAP. Students will learn how accounting software is used to record business transactions at major corporations, including sales, distribution, purchasing, cash receipts, cash payments, general ledger accounting and financial reporting.

**BUS 563 - IRS Volunteer Income Tax Assistance Program (VITA)**

0 units

6 hour lab

**Prerequisite:** [BUS 165C](#) with a minimum grade of C OR equivalent IRS certification training**Recommended Preparation:** Eligibility for [ENGL 1A](#)

Noncredit

This noncredit course provides students with hands-on experience preparing tax returns through the Internal Revenue Service (IRS) Volunteer Income Tax Assistance (VITA) Program. Students will prepare individual income tax returns for low-income and other qualifying individuals. Students will learn to use tax software to accurately prepare and file federal and state individual income tax returns. Students will develop communication skills through interviews of taxpayers, explanations of tax return results and interaction with the community.

The content of BUS 563, a noncredit course, is identical to the content of BUS 163, a credit course. BUS 563 shall be offered with BUS 163 as a dual-roster course.

**CDEV 500 - Introduction to Child Development and Early Childhood Education**

0 units

1.5 hours lecture

Noncredit

This noncredit course provides a general overview of child development and introduction to early childhood education. The topics covered include prenatal care and development from conception through adolescence, as well as a review of some components of the field of early childhood education, including best practices. This course is intended for anyone interested in obtaining a basic understanding of child development and the field of early childhood education.

**CDEV 501 - Introduction to the Home, the School and the Community**

0 units  
1.5 hours lecture  
Noncredit

This noncredit course provides an overview of the role of collaboration between the home, the school and the community, in the development of young children. The topics covered include: child socialization within different contexts, the importance of play, adversities including trauma, homelessness and poverty, connections to community resources and advocacy for children and parents. This course is intended for anyone interested in obtaining a basic understanding of child development and the field of early childhood education.

**CIS 154 - Compute Engines with AWS**

3 units  
2 hours lecture, 3 hours lab

**Prerequisite:** [CIS 150](#) with a minimum grade of C or equivalent experience

**Recommended Preparation:** [CIS 152](#) (or concurrent enrollment) OR [CIS 133](#) with a minimum grade of C or equivalent experience OR [CIS 134](#) with a minimum grade of C OR equivalent experience OR [CSCI 3](#) with a minimum grade of C or equivalent experience

Credit, degree applicable  
Transfer CSU, UC

This course introduces compute engine technologies with Amazon Web Services (AWS). Students will explore the following compute models: Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Function as a Service (FaaS), and microservices. In the course, students will use AWS to set up, configure and manage compute services to address load balancing and scaling requirements in the cloud. Students will also write code to create deployment scripts for the AWS infrastructure.

**CIS 156 - Security with AWS**

3 units  
2 hours lecture, 3 hours lab

**Prerequisite:** [CIS 150](#) with a minimum grade of C or equivalent experience

**Recommended Preparation:** [CIS 152](#) OR [CIS 154](#) OR [CIS 119](#)  
Credit, degree applicable

Transfer CSU, UC

This course focuses on security as it applies to cloud technologies. Students will learn the general security concept of confidentiality, integrity, and availability of computing resources and will use Amazon Web Services to explore how security is implemented in a cloud infrastructure. Specific AWS topics include the AWS Shared Responsibility model and how to use AWS security and monitoring tools to analyze hardware, services, and networks. User activity, key management services, various firewalls, and the planning and configuration of private and public subnets will also be covered.

**CSCI 1H - Honors Problem Solving and Program Design Using C++**

4 units  
3 hours lecture, 3 hours lab

**Prerequisite:** [MATH 170](#) with a minimum grade of C or equivalent skill

Credit, degree applicable  
Transfer CSU, UC

This honors course is an introduction to problem solving and program design using structured, top-down, algorithmic development techniques applied to the solution of numeric and non-numeric problems. Software engineering topics such as analysis, design, implementation, testing, documentation, and maintenance of software are discussed. Laboratory work will be done using the C++ computer language. The course also incorporates a research-based assignment and summarizes the evolution of programming languages illustrating how this history has led to the paradigms available today.

**CSCI 9 - Practical Data Science**

4 units  
3 hours lecture, 3 hours lab

**Prerequisite:** [CSCI 8](#) and [CSCI 14](#) or [CSCI 1](#)

Credit, degree applicable

Transfer CSU, UC

This course examines computation, inferential thinking, and the issues of utilizing real-world data to solve challenging data science problems. This intermediate-level class bridges between Foundations of Data Science and the methods currently used in industry. Students will understand the data science life-cycle and learn many of the principles and techniques of data science, such as spanning algorithms, statistics, machine learning, visualization, and data systems.

**CSCI 17 - Computer Programming in MATLAB**

4 units  
3 hours lecture, 3 hours lab

**Prerequisite:** [MATH 190](#)

Credit, degree applicable

Transfer CSU, UC

This course is an introduction to computer programming and algorithm design using the MATLAB programming language. Students will be introduced to basic control structures, using arrays, matrices, and vectors, modeling, numerical analysis, and two- and three-dimensional graphing of scientific and engineering solutions.

**ENGL 18 - Survey of Women Writers: Middle Ages to the Present**

3 units  
3 hours lecture

**Prerequisite:** [ENGL 1](#) or eligibility for [ENGL 1A](#) or qualification by appropriate assessment

Credit, degree applicable

Transfer CSU, UC

The course examines the literary contributions of women writers from the Middle Ages to the present. Students will study works of literature by or about women in traditional and nontraditional genres, as well as examine the aesthetic, political, historical, cultural, and social contexts of the lives and works of women writers.

**ENGL 23A - Introduction to Creative Nonfiction**

3 units  
3 hours lecture

**Recommended Preparation:** eligibility for [ENGL 1A](#)

Credit, degree applicable

Transfer CSU, UC

This course is an introduction to creative nonfiction, which includes memoir writing, literary nonfiction, and the personal essay. Students will study the techniques of creative nonfiction through the examination of diverse authors and will work towards transforming real-life events and experiences into finished narratives using the same techniques as fiction, such as character development, dialogue, setting, and conflict. Students will also learn the development of the creative process, including writing exercises, peer workshop, and revision.

Note: Letter grade or pass/no pass option.

**ENGL 46 - Sexualities, Identities, and Literature**

3 units  
3 hours lecture

**Prerequisite:** [ENGL 1](#) or eligibility for [ENGL 1A](#) or qualification by appropriate assessment

Credit, degree applicable

Transfer CSU, UC

This course examines how a culture's ideas about gender identity and sexual orientation affect the form and impact of literature. Materials will include canonical works that reflect themes of dissident sexuality, as well as contemporary works that write openly about modern experiences of the LGBTQIA+ (lesbian, gay, bisexual, transgender, queer, intersex, asexual, etc.) community.

**ENGL 90 - Comics as Literature**

3 units  
3 hours lecture

**Prerequisite:** [ENGL 1](#) or eligibility for [ENGL 1A](#) or qualification by appropriate assessment

Credit, degree applicable



**Transfer CSU, UC**

In this course, students will read, learn, and critique how the medium of comics (including graphic novels) works and what the various mechanics of the literary medium are, such as panel design, lettering, gutters, and speech bubbles. Students will read and critique a variety of representative comics from various time periods, cultures, and genres. In addition, the class will explore character, plot, dialogue, setting and other storytelling elements using various literary lenses such as New Criticism, deconstruction, Feminism, and other perspectives to analyze the texts created by comics, graphic novel, graphic memoir, and graphic non-fiction writers and illustrators.

**ENGR 10 - Dynamics**

3 units

3 hours lecture

**Prerequisite:** [ENGR 9](#) with a minimum grade of C

Credit, degree applicable

Transfer CSU, UC

In this course, students will explore fundamentals of kinematics, kinetics of particles, and rigid bodies. Topics include kinematics of particle motion and planar motions of rigid bodies, work-energy and momentum principles for rigid body motion, and mechanical vibrations will be studied.

**ENGR 11 - Circuit Analysis**

3 units

3 hours lecture

**Prerequisite:** [PHYS 1C](#) (or concurrent enrollment) and [MATH 270](#) (or concurrent enrollment)**Corequisite:** [ENGR 12](#)

Credit, degree applicable

Transfer CSU, UC

This course serves as an introduction to the analysis of electrical circuits through the use of analytical techniques based on the application of circuit laws and network theorems. The course covers direct current (DC) and alternating current (AC) circuits containing resistors, capacitors, inductors, dependent sources, operational amplifiers, and/or switches. The analysis of these circuits includes natural and forced responses of first and second order resistor-inductor-capacitor (RLC) circuits, the use of phasors, AC power calculations, power transfer, and energy concepts.

**FTEC 138 - Paramedic Clinical Internship**

4 units

12 hours lab per week (216 total)

**Prerequisite:** [FTEC 130](#), [FTEC 131](#), [FTEC 132](#), [FTEC 133](#), [FTEC 134](#), [FTEC 135](#), [FTEC 136](#), and [FTEC 137](#) with a minimum grade of C in each prerequisite course**Enrollment Limitation:** admission to Paramedical Technician Program

Credit, degree applicable

This course provides the student with an opportunity to apply knowledge and skills learned in the preceding courses to patient care. The emphasis of the course is to increase the student's assessment and diagnostic skills in a clinical setting.

Note: Pass/no pass only.

**GEOG 6 - Physical Geography Laboratory**

1 unit

3 hours lab

**Prerequisite:** GEOG 1 with a minimum grade of C or concurrent enrollment

Credit, degree applicable

Transfer CSU, UC

This course consists of laboratory exercises using the geographic grid and world time, earth-sun relationships, atmospheric processes and weather maps, climate classification, natural vegetation, and interpretation of landforms shown on topographic maps and aerial photographs.

**GEOL 6 - Earth Science in Education**

4 units

3 hours lecture, 3 hours lab

**Recommended Preparation:** ENGL 1 or eligibility for ENGL 1A or qualification by appropriate assessment

Credit, degree applicable

**Transfer CSU**

This course is a broad-based introductory study of earth science for future educators and will include teaching techniques to engage students in science. The topics covered are part of the California science standards and are designed to introduce geology, oceanography, meteorology, and solar system astronomy. It includes the study of earth materials, geologic history, ocean basins and coastlines, weather and climate, pollution and earth resources, planetary geology, and the scientific method. The laboratory component includes study of rocks, maps, scientific instruments, earthquakes, and local geologic features.

Note: Geology 6 is not designed for Geology or Earth Science majors.

**HDEV 110H - Honors Strategies for Creating Success in College, Work, and Life**

3 units

3 hours lecture

**Recommended Preparation:** [ENGL 1](#) or eligibility for [ENGL 1A](#) or qualification by appropriate assessment or [ESL 52B](#) and/or [ESL 53C](#)

Credit, degree applicable

Transfer CSU, UC

This honors course, intended for students in the Honors Transfer Program, provides an exploration of cognitive, psychological, social and physical factors influencing college success, educational and career planning, and workforce preparedness. Topics include personal responsibility, critical thinking, self-management, motivation, self-efficacy, lifelong learning, health and wellness, and interpersonal communication in a diverse world. Students will identify and utilize strategies and resources for success in college, work, and life. This course is enriched through extensive, rigorous reading, writing, and research assignments.

Note: Students may take either Human Development 110H or Human Development 110. Duplicate credit will not be awarded.

**ITAL 3 - Intermediate Italian 1**

5 units

5 hours lecture

**Prerequisite:** [ITAL 2](#) with a minimum grade of C or equivalent

Credit, degree applicable

Transfer CSU, UC

This intermediate course, taught within the context of Italian culture, is a continuation of the study of Italian with an emphasis on listening, speaking, reading, and writing. Upon completion of this course, students will be able to express themselves using sentences in the indicative, conditional, and subjunctive moods. The passive form will also be introduced. Students will also expand their knowledge about culture and current events.

**MUSI 112 - Music Cultures of the World**

3 units

3 hours lecture

**Recommended Preparation:** eligibility for [ENGL 1A](#)

Credit, degree applicable

Transfer CSU, UC

This course focuses on the styles, techniques, performers, and historical evolution of Western and non-Western music. Emphasis is placed on African, Asian, Latin American, and Polynesian music and the relationship between the music and the culture. In addition, American ethnic music and jazz will be presented. (formerly Music 12)

**MUSI 180 - Fundamentals of Electronic Music**

3 units

2 hours lecture, 3 hours lab

Credit, degree applicable

Transfer CSU

This introductory course examines the terminology, equipment, techniques, and concepts related to technology used in the field of music. The course will survey the principles and practices of sound, Musical Instrument Digital Interface (MIDI), synthesis, notation, and audio recording utilizing hardware and software platforms used by professional musicians and college-level music students.

**MUSI 222abcd - Opera Workshop**

2 units

1 hour lecture, 3 hours lab

**Enrollment Limitation:** audition Prepare and perform a solo selection from memory and demonstrate the ability to read music at a beginning level.

Credit, degree applicable

Transfer CSU, UC

This course develops vocal, musical, and dramatic skills through the research, rehearsal, and performance of selected works and scenes from the standard operatic literature.

Note: This course is repeatable.

(formerly Music 222)

**PAR 500 - Positive Parenting/Caregiving**

0 units

1.33 hours lecture

Noncredit

This open entry/open exit noncredit course will use a reflective approach on parenting/caregiving practices, for children ages 0-8.

Topics will include: developmentally appropriate expectations, parenting styles, reflective parenting/caregiving, positive guidance/discipline and stress relief for children and parents/caregivers.

**PAR 501 - Culturally Responsive Parenting/Caregiving**

0 units

1.33 hours lecture

Noncredit

This open entry/open exit noncredit course will provide parents/caregivers with support and resources to be culturally aware/responsive and intentional advocates for young children.

Topics include personal cultural identity, belonging, setting up culturally responsive environments, maintenance of home language, bias, advocacy and intentional culturally relevant interactions.

**PAR 502 - Parent/Caregiver and Child Play Group**

0 units

1.33 hours lecture

Noncredit

This open entry/open exit noncredit course offers an opportunity for parents /caregivers to attend class with their child (ages 0-5). During class, parents/caregivers and their children, will engage in free play, developmentally appropriate activities, music time and story time. Instructor led and student led discussions will be included throughout the course. Topics in the course include: parent/caregiver/child interactions, setting up activities, play, communication, guidance and discipline.

**PASS 500 - Supervised Tutoring**

0 units

4 hours lab

Noncredit

This noncredit open entry/open exit course provides students with supervised tutoring related to their assignments in courses offered at El Camino College. The tutoring addresses the application of learning skills, the use of learning resources, and the review of course content.

**PASS 501 - Language Arts**

0 units

2 hours lecture/0 hours lab

Noncredit

This noncredit open entry/open exit course prepares students for the language arts section of the General Educational Development (GED) exam and the High School Equivalency Test (HiSET). It provides instruction in reading comprehension, grammar, and writing the extended response essay, using successful test-taking strategies. Upon completion and demonstration of competence in the course, students may continue GED and HiSET preparation or advance to develop skills for the workplace and to prepare for future educational opportunities.

**PASS 502 - Mathematics**

0 units

2 hours lecture/0 hours lab

Noncredit

This noncredit open entry/open exit course prepares students for the mathematics portion of the General Education Development (GED) exam and High School Equivalency Test (HiSET) in Mathematics. It provides instruction in quantitative and Algebraic problem solving as well as skill building in test-taking strategies to respond to questions on the GED and HiSET exams in mathematical reasoning. Upon completion and demonstration of competence in the course, students may continue GED and HiSET preparation or advance to develop skills for the workplace and to prepare for future educational opportunities.

**PASS 503 - Science**

0 units

2 hours lecture/0 hours lab

Noncredit

This noncredit open entry/open exit course prepares students for the science portion of the General Education Development (GED) exam and High School Equivalency Test (HiSET) in science. It provides instruction in biology, physiology, chemistry, earth, and space science. Students also learn skill building in test-taking strategies for multiple choice and short-answer response questions on the GED and HiSET exams. Upon completion and demonstration of competence in the course, students may continue GED and HiSET preparation or advance to develop skills for the workplace and to prepare for future educational opportunities.

**PASS 504 - Social Studies**

0 units

2 hours lecture/0 hours lab

Noncredit

This noncredit open entry/open exit course prepares students for the social studies portion of the General Education Development (GED) exam and the High School Equivalency Test (HiSET). It provides a review of U.S. history, global history, economics, civics and government, and geography using successful test-taking strategies and hands-on online testing practice for multiple-choice and extended response questions. Upon completion and demonstration of competence in the course, students may continue GED or HiSET preparation or advance to develop skills for the workplace and to prepare for future educational opportunities.

**PASS 530 - Research Skills**

0 units

0.222 hours lab

Noncredit

This noncredit open entry/open exit course helps students build strong research skills, which are necessary to complete college coursework and to succeed in future employment. The course covers effective search strategies, formulating a research question, and ethics in research.

**PASS 532 - Academic Integrity at ECC**

0 units

1 hour lecture

Noncredit

This noncredit open entry/open exit course helps students cultivate strong academic integrity skills, including strategies to avoid plagiarism and cheating.

**PE 4B - Intermediate Basketball**

1 unit

3 hours lab

**Recommended Preparation:** [PE 4A](#)

Credit, degree applicable

Transfer CSU, UC

This course offers instruction and practice in the skills of basketball for the intermediate to advanced player. Offensive and defensive skills such as footwork, dribbling, passing, and shooting are taught along with defensive positioning and rebounding. Rules of the game will be covered along with game strategies and tournament play.



**PE 212 - Sport and Society**

3 units  
3 hours lecture

**Recommended Preparation:** [ENGL 1](#) or eligibility for [ENGL 1A](#) or qualification by appropriate assessment

Credit, degree applicable  
Transfer CSU, UC

This course examines the role of sport in modern society. Students will reflect on the ways in which sport influences and shapes global attitudes among nations. It also investigates the historical, social, economic, and political impact of sport on society.

**PE 220B - Intermediate Naginata: A Japanese Martial Art**

1 unit  
3 hours lab

**Recommended Preparation:** [PE 220A](#)

Credit, degree applicable  
Transfer CSU, UC

This intermediate course builds on the fundamental skills and concepts of the course PE 220A - Naginata - A Japanese Martial Art. Precision and focused movements are performed using the naginata during offensive and defensive tactics. Japanese instructional cues will guide students with on guard positioning, footwork, and target areas. The course is taught according to traditional Japanese teaching methods with emphasis on etiquette and mental focus. Culture, philosophy, and historical concepts will be discussed.

**PE 239 - Slow Pitch Softball**

1 unit  
3 hours lab  
Credit, degree applicable  
Transfer CSU, UC

This course offers instruction in slow pitch softball, practice, and competitive play suited for students of every skill level. Instruction and demonstration of basic and advanced technical skills, rules of the game, tactics and strategies and situational play will be presented. Exercise training specific to the physical demands of slow pitch softball will be included, as well as discussions on the health aspects of the sport and strategies of safety. Students successfully completing this course will acquire the skills and knowledge to enjoy slow pitch softball as a lifelong sport.

**PE 275 - Sport Psychology**

3 units  
3 hours lecture

**Recommended Preparation:** eligibility for [ENGL 1A](#) and [PSYC 101](#)

Credit, degree applicable  
Transfer CSU, UC

This course is a scientific study of the psychological factors associated with participation and performance in sport activities. Emphasis will be placed on how psychological principles and research can be used to understand and enhance sport performance. Topics will include historical and theoretical perspectives of sport psychology, research methods, and the relationship between sport performance and various personality, motivational, and social psychological variables. Gender and age issues, as well as the effects and management of unhealthy behaviors, will be discussed.

**PHIL 120 – Ethics, Law and Society**

Inactive

**RE 501 - Real Estate License Exam Preparation Review Course 1**

0 units  
6 hours lecture

**Recommended Preparation:** [RE 11](#) and [RE 13](#) OR equivalent coursework

Noncredit

Students completing the real estate license exam preparation certificate of completion will have learned the concepts and skills required to successfully pass the state of California real estate license examination. The exam preparation will include a review of the key subjects covered in the college's real estate courses including fundamental information regarding practice of real

estate with emphasis on real estate law, principles, practice, and other topics covered in the state licensure examination. Important preparation for those intending to take the California real estate salesperson's or broker's license examination.

**RE 502 - Real Estate Brokers License Exam Preparation Review Course 2**

0 units  
6 hours lecture

**Recommended Preparation:** [RE 11](#) and [RE 13](#) OR equivalent coursework.

Noncredit

In this course students will learn the advanced concepts and skills required to successfully pass the California state real estate brokers license examination. The course will include a review of the key subjects covered in the college's real estate courses including advanced information regarding practice of real estate with emphasis on real estate law, principles, practice, and other topics covered in the state licensure examination. Important preparation for those intending to take the California real estate broker's license examination.

**RTEC 328 - Clinical Experience 7**

4.5 units  
3 hours lecture, 4.5 hours lab

**Prerequisite:** RTEC 220 with a minimum grade of C

Credit, degree applicable  
Transfer CSU

This course continues the development of clinical skills in radiography with emphasis in specialized radiography and new modalities. Advanced clinical practice experiences are designed to provide competent performance of radiologic imaging, using sequential development, critical analysis, and evaluation in the performance of radiologic procedures and patient assessment and care. Students perform independently with appropriate supervision to assess their skills for employability. This course also reviews the entire radiologic technology curriculum, following the American Registry of Radiologic Technologists (ARRT) examination outline, to prepare the students for State and National Certification examinations.

**SOCI 101 - Introduction to Sociology**

3 units  
3 hours lecture

**Recommended Preparation:** Eligibility for [ENGL 1A](#)

Credit, degree applicable  
Transfer CSU, UC

This course introduces students to the major theoretical perspectives, concepts, and areas of study in sociology. It critically examines the relationship between the social environment and human behavior, specifically on how social forces such as race, gender, sexuality, age, and social class shape our everyday lives. In addition to learning sociological theories and research methods, students gain an understanding of sociological concepts such as culture, socialization, social institutions, deviance, stratification, and social change.

**SOCI 101H - Honors Introduction to Sociology**

3 units  
3 hours lecture

**Recommended Preparation:** Eligibility for [ENGL 1A](#)

Credit, degree applicable  
Transfer CSU, UC

This honors course, intended for students in the Honors Transfer Program, introduces students to the major theoretical perspectives, concepts, and areas of study in sociology. It critically examines the relationship between the social environment and human behavior, specifically on how social forces such as race, gender, sexuality, age, and social class shape our everyday lives. In addition to learning sociological theories and research methods, students gain an understanding of sociological concepts such as culture, socialization, social institutions, deviance, stratification, and social change. This course is enriched through extensive, rigorous reading, writing, and research assignments.

Note: Students may take either SOCI 101 or Sociology 101H. Duplicate credit will not be awarded

**SPAN 4 - Intermediate Spanish II**

5 units

5 hours lecture

**Prerequisite:** [SPAN 3](#) or [SPAN 52A](#) with a minimum grade of C or equivalent

Credit, degree applicable

Transfer CSU, UC

This intermediate course continues the study of Spanish language grammar and composition. Through oral and written practice, students expand their Spanish language vocabulary, review grammatical structures and idiomatic expressions, and practice writing essays in Spanish. Students read materials of representative Spanish and Latin American authors. The cultural heritage and variety of Spanish-speaking countries is explored through literary texts and film. Students also explore Spanish language dialectology (the linguistic variation in the Spanish-speaking world).

Note: The prerequisite for this course is comparable to four years of high school Spanish.

## Degrees and Certificates by Division El Camino College

### Behavioral and Social Sciences

#### Art History

- [Art History, AA-T](#)

#### Childhood Education

- [Child Development, AA](#)
- [Early Childhood Education Certificate of Achievement](#)
- [Early Childhood Education, AS-T](#)
- [Early Intervention Assistant Certificate of Achievement](#)
- [Special Education Assistant Certificate of Achievement](#)

#### Communication Studies

- [Communication Studies Certificate of Achievement](#)
- [Communication Studies, AA-T](#)

### Business

#### Business Management

- [Entrepreneurial Studies Certificate of Achievement](#)
- [Entrepreneurial Studies, AS](#)

#### Computer Information Systems

- [Business Information Worker Certificate of Achievement](#)
- [Business Programming Certificate of Achievement](#)
- [Cisco Networking Administration Certificate of Achievement](#)
- [Cloud Computing and Programming with Amazon Web Services Certificate of Achievement](#)
- [Cloud Computing with Amazon Web Services Certificate of Accomplishment](#)
- [Computer Information Systems, AS](#)
- [Computer User Support Specialist Certificate of Achievement](#)
- [Cybersecurity Certificate of Achievement](#)
- [Database Management Certificate of Achievement](#)
- [Technical Support and Networking Specialist Certificate of Achievement](#)

#### Real Estate

- [Mortgage Loan Brokerage Certificate of Achievement](#)
- [Real Estate Appraisal Certificate of Achievement](#)
- [Real Estate Broker Certificate of Achievement](#)
- [Real Estate Certificate of Achievement](#)
- [Real Estate Escrow Certificate of Achievement](#)
- [Real Estate Finance Certificate of Achievement](#)
- [Real Estate Investments Certificate of Achievement](#)
- [Real Estate Property Management Certificate of Achievement](#)
- [Real Estate Salesperson Certificate of Achievement](#)
- [Real Estate, AA](#)

### Health Sciences and Athletics

#### Recreation

- [Recreation Aquatics Specialist Certificate of Achievement](#)

#### Respiratory Care

- [Respiratory Care Certificate of Achievement](#)
- [Respiratory Care, AS](#)
- [Respiratory Care, BS](#)

## **Industry and Technology**

### **Welding**

- [Gas Tungsten Arc Welding \(GTAW\) Ferrous and Non-Ferrous Certificate of Accomplishment](#)
- [Semi-Automatic Welding Certificate of Accomplishment](#)
- [Shielded Metal Arc Welding \(SMAW\) Structural Steel Certificate of Accomplishment](#)
- [Structural Steel Fabrication Certificate of Accomplishment](#)
- [Welding Certificate of Achievement](#)
- [Welding, AS](#)

## **Library & Learning Resources**

### **Sign Language/Interpreter Training**

- [Sign Language/Interpreter Training Certificate of Achievement](#)
- [Sign Language/Interpreter Training, AA](#)

## **Natural Sciences**

### **Environmental Horticulture (inactive)**