



EL CAMINO COLLEGE

2017-2018 | 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

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www.elcamino.edu

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Business

Business Division

www.elcamino.edu/academics/business

New Course

Business 73

Project Management Fundamentals

4 units; 3 hours lecture, 3 hours lab

Recommended Preparation: Computer Information

Systems 13 AND eligibility for English 1A

Credit, degree applicable

Transfer CSU

This course introduces the fundamentals of Project Management (PM), emerging trends, and management theories needed to make effective contributions towards the successful attainment of project objectives. This course is designed for current and future project managers, and provides the theoretical foundation needed to manage teams and projects as well as prepare for Project Management Institute (PMI) certification. Students will use project management software to plan, track and manage project resources, simulating real world projects at different stages of project life cycles.

CHILD DEVELOPMENT

A.A. Degree and Certificates of Achievement

Behavioral and Social Sciences Division

www.elcamino.edu/academics/behavioralsocial

The child development program prepares students for careers in private or public programs serving infants, toddlers, preschoolers, children with special needs, or children in before and after school care. The transfer degree option prepares students to continue studies at a four-year institution and major in Child Development, Child and Adolescent Development, Human Development, or Education. Students will acquire the ability to apply developmental theories in observing and assessing children in physical, cognitive, and psychosocial domains and will develop skills needed for working effectively with families, co-workers, and community agencies. Students will also gain the ability to design, implement, and evaluate developmentally appropriate and culturally sensitive curriculum. Program assessment will be conducted regularly through examinations, presentations, student self-assessment, portfolios, and tracking student employment and promotion in the teaching field.

A minimum of 12 units of the major requirements must be completed at El Camino College.

Program Modifications

Course Title

Required Core: 18 units

CDEV 103	Child Growth and Development (3)
CDEV 104	The Home, The School, The Community (3)
CDEV 108	Principles and Practices of Teaching Young Children (3)
CDEV 112	Teaching Young Children in a Diverse Society (3)
CDEV 114	Observing and Assessing Young Children (3)
CDEV 150	Introduction to Children with Special Needs (3)
or	
CDEV 152	Curriculum and Strategies for Children with Special Needs (3)

6 units from:

CDEV 115	Introduction to Curriculum (3)
CDEV 116	Creative Art for Young Children (3)
CDEV 117	Music and Movement for Young Children (3)
CDEV 118	Science and Math for Young Children (3)
CDEV 119	Language Arts for Young Children (3)

3 units from:

CDEV 106	Care and Education for Infants and Toddlers (3)
CDEV 107	Infant/Toddler Development (3)
CDEV 110	Child Health, Safety, and Nutrition (3)
CDEV 115	Introduction to Curriculum (3)
CDEV 116	Creative Art for Young Children (3)
CDEV 117	Music and Movement for Young Children (3)
CDEV 118	Science and Math for Young Children (3)
CDEV 119	Language Arts for Young Children (3)
CDEV 125	Child Development Practicum I (3)
CDEV 126	Child Development Practicum II (3)
CDEV 129	Introduction to Program Administration (3)
CDEV 130	Principles of Program Administration (3)
CDEV 131	Supervising and Mentoring Adults (3)
CDEV 150	Introduction to Children with Special Needs (3)
CDEV 152	Curriculum and Strategies for Children with Special Needs (3)
CDEV 154	Role and Responsibilities of the Special Education Assistant (3)
CDEV 165	Autism, ADHD, Physical and Health Impairments (3)
CDEV 169	Special Education Practicum (3)
NFOO 15	Nutrition for Infants and Young Children (3)

Total Units: 27

Note: Proof of a valid Pediatric CPR and First Aid Certification and immunizations may be required for employment.

Preparation for the Child Development Transfer Major

For information on specific university major requirements, please obtain a transfer curriculum guide sheet in the Counseling Services Center, consult with your counselor, or visit the Transfer Center. You may use the transfer major requirements to help you fulfill your associate degree requirements.

Certificates of Achievement

A Certificate of Achievement will be granted upon completion of all program requirements. A minimum of 12 units must be completed at El Camino College.

Program Modifications

Early Childhood Education Certificate of Achievement

Course Title

Required Core: 15 units

CDEV 103	Child Growth and Development (3)
CDEV 104	The Home, The School, The Community (3)
CDEV 108	Principles and Practices of Teaching Young Children (3)
CDEV 112	Teaching Young Children in a Diverse Society (3)
CDEV 114	Observing and Assessing Young Children (3)

3 units from:

CDEV 115	Introduction to Curriculum (3)
CDEV 116	Creative Art for Young Children (3)
CDEV 117	Music and Movement for Young Children (3)
CDEV 118	Science and Math for Young Children (3)
CDEV 119	Language Arts for Young Children (3)

Total Units: 18

Note: Proof of a valid Pediatric CPR and First Aid Certification and immunization may be required for employment.

Program Modifications

Early Intervention Assistant Certificate of Achievement

Course Title

Required Core: 21 units

CDEV 103	Child Growth and Development (3)
CDEV 104	The Home, The School, The Community (3)
CDEV 106	Care and Education for Infants and Toddlers (3)

or

CDEV 107	Infant/Toddler Development (3)
CDEV 110	Child Health, Safety, and Nutrition (3)
CDEV 150	Introduction to Children with Special Needs (3)
CDEV 152	Curriculum and Strategies for Children with Special Needs (3)
CDEV 169	Special Education Practicum (3)

6 units from:

CDEV 115	Introduction to Curriculum (3)
CDEV 116	Creative Art for Young Children (3)
CDEV 117	Music and Movement for Young Children (3)
CDEV 118	Science and Math for Young Children (3)
CDEV 119	Language Arts for Young Children (3)

3 units from:

CDEV 106	Care and Education for Infants and Toddlers (3)
CDEV 107	Infant/Toddler Development (3)
CDEV 114	Observing and Assessing Young Children (3)
CDEV 165	Autism, ADHD, Physical and Health Impairments (3)

Total Units: 30

Note: Proof of a valid Pediatric CPR and First Aid Certification and immunizations may be required for employment.

Note: Courses may not be counted in more than one category.

Program Modifications

Special Education Assistant Certificate of Achievement

Course Title

Required Core 18 units

CDEV 103	Child Growth and Development (3)
CDEV 104	The Home, The School, The Community (3)
CDEV 110	Child Health, Safety, and Nutrition (3)
CDEV 150	Introduction to Children with Special Needs (3)
CDEV 152	Curriculum and Strategies for Children with Special Needs (3)

or

CDEV 165	Autism, ADHD, Physical and Health Impairments (3)
CDEV 169	Special Education Practicum (3)

3 units from:

CDEV 115	Introduction to Curriculum (3)
CDEV 116	Creative Art for Young Children (3)
CDEV 117	Music and Movement for Young Children (3)
CDEV 118	Science and Math for Young Children (3)
CDEV 119	Language Arts for Young Children (3)

6 units from:

CDEV 108	Principles and Practices of Teaching Young Children (3)
CDEV 112	Teaching Young Children in a Diverse Society (3)
CDEV 114	Observing and Assessing Young Children (3)
CDEV 152	Curriculum and Strategies for Children with Special Needs (3)
CDEV 165	Autism, ADHD, Physical and Health Impairments (3)
NFOO 15	Nutrition for Infants and Young Children (3)
SLAN 111	American Sign Language I (4)

Total Units: 27

New Course

Child Development 165

Autism, ADHD, Physical and Health Impairments

3 units; 3 hours lecture

Recommended Preparation: eligibility for English 1A

Credit, degree applicable

Transfer CSU

This course is designed for students interested in working as a paraprofessional with children who have been diagnosed with autism, Attention Deficit Disorder (ADD) or Attention Deficit Hyperactivity Disorder (ADHD), children with physical disabilities, and health impairments. Students will be introduced to the social, emotional, cognitive, and academic needs of these children. The causes, signs, symptoms, treatments, and implications of these disorders will be presented. The characteristics of effective teaching methods and the implementation of accommodation strategies in the home and school setting will be explored. The laws governing the rights of children with special needs and their families will be discussed. Students may be required to observe local programs that serve children with special needs.

Chemistry

Natural Sciences Division

www.elcamino.edu/academics/naturalsciences

New Course

Chemistry 4H

Honors Beginning Chemistry

5 units; 5 hours lecture, 4 hours lab

Prerequisite: Mathematics 80 with a minimum grade of C or equivalent, or qualification by testing (El Camino College Mathematics Placement Test and assessment.

Recommended Preparation: eligibility for English 1A or English 1AH

Credit, degree applicable

Transfer CSU

This honors course, intended for students in the Honors Transfer Program, introduces the principles of chemistry, modern concepts of atomic structure and periodicity as a basis for understanding bonding, chemical formulas, chemical equations and chemical reactions, states of matter, important elements and their compounds, solutions, acid-base theories and reactions, net ionic equations, oxidation-reduction, kinetics, and chemical equilibrium, chemical nomenclature, and calculations. Historical and current chemical concepts will be investigated in a required research paper. In the laboratory, emphasis is on observations, measurements, and elementary quantitative experiments with an introduction to qualitative analysis. This course is enriched through extensive rigorous reading, writing, and research assignments.

Note: Students may take either Chemistry 4 or Chemistry 4H. Duplicate credit will not be awarded for Chemistry 4 and Chemistry 4H.

English as a Second Language

Humanities Division

www.elcamino.edu/academics/humanities

New Courses

English as a Second Language 04A

ESL for Healthcare

0 units; 5 hours lecture

Recommended Preparation: English as a Second Language 03D

Noncredit

Designed for intermediate ESL learners, this course helps prepare students for careers in healthcare. Students gain a general knowledge of healthcare settings, careers, and terminology including the major body systems and their basic functions.

English as a Second Language 04B

ESL for Healthcare II

0 units; 5 hours lecture

Recommended Preparation: English as a Second Language 04A

Noncredit

This second course in a two-course sequence develops the listening, speaking, reading, and writing skills of intermediate ESL students seeking a career in the healthcare field. Emphasis is on terminology and communication skills for interacting with patients and professionals in the medical field. Topics include communication, safety, medical emergencies, first aid, and pharmacology.

English as a Second Language 05A

ESL for Childhood Educators I

0 units; 5 hours lecture

Recommended Preparation: English as a Second Language 03D

Noncredit

This first course in a two-course sequence prepares intermediate-level ESL students for a career in childcare, with special emphasis on vocabulary and entry-level skill acquisition as well as familiarity with common phrases for interacting with English speaking children, staff, and parents. Topics include basic childcare vocabulary, communicating about children, preventing incidents, reporting incidents, and treating illnesses and minor injuries. This course prepares students for the Childhood Education credit program.

English as a Second Language 05B

ESL for Childhood Educators II

0 units; 5 hours lecture

Recommended Preparation: English as a Second Language 05A

Noncredit

This is the second course in a two-course sequence that prepares intermediate-level ESL students for a career in childcare, with special emphasis on vocabulary and entry level skill acquisition as well as familiarity with common phrases for interacting with English speaking children, staff, and parents. Topics include infant development, toddler development, preschooler development, and school-age child development. This course prepares students for the Childhood Education credit program.

English as a Second Language 06

ESL Support for Career and Technical Programs

0 units; 3 hours lecture

Recommended Preparation: English as a Second Language 03D

Noncredit

This course, designed for students whose primary language is not English, is intended for students currently enrolled in an entry-level vocational class. Students will receive instruction in writing, reading, speaking, vocabulary building and test taking skills designed to help them succeed in the content area course. Subsequent enrollment in an additional semester will provide the student with an opportunity for continued skills and competency development within the level and subject matter.

English as a Second Language 100

Supervised Tutoring: English Support Center

0 units; 12 hours lecture

Enrollment Limitation: Referral by instructor or counselor based on assessed academic need.

Noncredit

This is a supervised tutoring course that provides English as a Second Language students with the listening, speaking, reading, and writing skills necessary for success on the specific assignments and assessments in the courses for which they seek tutorial support.

Note: This course is repeatable and open for enrollment at registration and at any time during the semester.

GENERAL SCIENCE

A.S. Degree

Natural Sciences Division

www.elcamino.edu/academics/naturalsciences

The general science program provides students the opportunity to investigate diverse methods of inquiry by experiencing courses from a cross section of science disciplines. Students will develop critical thinking skills, learn to communicate effectively in writing, and acquire an understanding of major scientific concepts. Through course options, students will use mathematical concepts to solve problems and employ methods of scientific inquiry to understand the world around them. Completion of the degree requirements will prepare students with the skills and resources needed to facilitate academic and career decisions. Competencies will be assessed through regularly scheduled theory and laboratory examinations.

Program Modification

Course Title

Required Core: 7-10 units

Complete one of the following two-semester sequences:

BIOL 101	Principles of Biology I (5)
or	
BIOL 101H	Honors Principles of Biology I (5)
BIOL 102	Principles of Biology II (5)
or	
BIOL 102H	Honors Principles of Biology II (5)
or	
CHEM 1A	General Chemistry I (5)
CHEM 1B	General Chemistry II (5)
or	
CHEM 21A	Survey of General and Organic Chemistry (4)
CHEM 21B	Survey of Organic and Biochemistry (4)
or	
PHYS 1A	Mechanics of Solids (4)
PHYS 1B	Fluids, Heat and Sound (3)
or	
PHYS 1A	Mechanics of Solids (4)
PHYS 1C	Electricity and Magnetism (4)
or	
PHYS 2A	General Physics (4)
PHYS 2B	General Physics (4)
or	
PHYS 3A	General Physics with Calculus (5)
PHYS 3B	General Physics with Calculus (5)

*Complete an additional 10-13 units from:
a minimum of one Physical Science course:*

ASTR 12	Astronomy Laboratory (1)
ASTR 20	The Solar System (3)
or	
ASTR 20H	Honors The Solar System (3)
ASTR 25	Stars and Galaxies (3)
or	
ASTR 25H	Honors Stars and Galaxies (3)
CHEM 1A	General Chemistry I (5)
CHEM 1B	General Chemistry II (5)
CHEM 4	Beginning Chemistry (5)
or	
CHEM 4H	Honors Beginning Chemistry (5)
CHEM 21A	Survey of General and Organic Chemistry (4)
CHEM 21B	Survey of Organic and Biochemistry (4)
GEOG 1	Physical Geography (3)
GEOL 1	Physical Geology (3)
GEOL 2	History of Planet Earth (3)
GEOL 3	Physical Geology Laboratory (1)
GEOL 4	History of Planet Earth Laboratory (1)
GEOL 15	Natural Disasters (3)
OCEA 10	Introduction to Oceanography (4)
or	
OCEA 10H	Honors Introduction to Oceanography (4)
<i>a minimum of one Biological Science course:</i>	
ANAT 32	General Human Anatomy (4)
BIOL 8	Biology of Plants (4)
BIOL 10	Fundamentals of Biology (4)
or	
BIOL 10H	Honors Fundamentals of Biology (4)
BIOL 11	Fundamentals of Zoology (4)
BIOL 12	Field Zoology (4)
BIOL 16	Field Entomology (4)
BIOL 17	Marine Biology (3)
BIOL 18	Marine Biology Laboratory (1)
BIOL 101	Principles of Biology I (5)
or	
BIOL 101H	Honors Principles of Biology I (5)
BIOL 102	Principles of Biology II (5)
or	
BIOL 102H	Honors Principles of Biology II (5)
MICR 33	General Microbiology (5)
PHYO 31	Human Physiology (4)

Total Units: 20

Geography

Natural Sciences Division

www.elcamino.edu/academics/naturalsciences

New Course

Geography 5H

World Regional Geography

3 units; 3 hours lecture

Recommended Preparation: eligibility for English 1A or English 1AH

Credit, degree applicable

Transfer CSU

This honors course, intended for students in the Honors Transfer Program, surveys the major countries and regions of the world, studying their environments, people, cities, resources, history, economies, and special assets and problems. This course is enriched through extensive research and writing assignments.

Note: Students may take either Geography 5 or Geography 5H. Duplicate credit will not be awarded for Geography 5 and Geography 5H.

Music

Fine Arts Division

www.elcamino.edu/academics/finearts

New Course

Music 269ABCD

Guitar Ensembles

1 unit; 2 hours lecture

Recommended Preparation: Music 147A AND Music 147B

Credit, degree applicable

Transfer CSU, UC

Guitar ensemble is designed for guitarists who read standard musical notation in addition to basic chords. This class will include the rehearsal and performance of guitar ensemble literature from the Renaissance to the present, including music of the Baroque, Classical and Romantic eras, as well as Jazz and Rock styles.

Note: Students must provide their own their acoustic or classical guitars.

THEATRE

Fine Arts Division

www.elcamino.edu/academics/finearts

Certificate of Achievement

A Certificate of Achievement will be granted upon completion of all program requirements.

Entertainment Lighting Technology Certificate of Achievement

Course	Title
THEA 184	Stagecraft (3)
THEA 185	Introduction to Stage Lighting (3)
THEA 190	Operation of Intelligent Lighting Fixtures (2)
THEA 191	Repair and Maintenance of Intelligent Lighting Systems (2)
THEA 192	Setup of Intelligent Lighting Systems (2)
THEA 193	Programming and Lighting Design with Intelligent Lighting Systems (2)
THEA 197abcd*	Technical Theatre Production (1)
THEA 294	Computer Applications for the Entertainment Lighting Industry (3)
THEA 295	Industry Analysis and Portfolio Planning for the Entertainment Lighting Industry (2)

Total Units: 21

**Note: two semesters of THEA 197abcd is required for the certificate.*