



EL CAMINO COLLEGE

Spring 2025 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

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Course Descriptions

AHSD 500 - High School Fundamentals of English A

0 units
4 hours lecture
Noncredit

This high school level course provides students with a review of parts of speech, spelling, basic sentence structure, mechanics, and vocabulary skill building. Successful completion of this course will meet requirements for five Adult High School Diploma credits.
Note: This course is open entry/open exit.

AHSD 501 - High School Fundamentals of English B

0 units
4 hours lecture
Noncredit

This high school level course provides students with a comprehensive study of English usage, spelling, and mechanics. Students learn how to improve their writing with more complex sentence structures and use outside sources to support their ideas. Successful completion of this course will meet requirements for five Adult High School Diploma credits.
Note: This course is open entry/open exit.

AHSD 502 - High School Fundamentals of Writing A

0 units
4 hours lecture
Noncredit

This high school level course focuses on sentence and paragraph composition with an emphasis on vocabulary building. The course also provides a review of language mechanics and grammar. Successful completion of this course will meet requirements for five Adult High School Diploma credits.
Note: This course is open entry/open exit.

AHSD 503 - High School Fundamentals of Writing B

0 units
4 hours lecture
Noncredit

This high school level course provides students with a review of the writing process and outlining. It gives students opportunities to explore writing styles, and it includes an introduction to research paper writing. Students strengthen skills in grammar, vocabulary, and oral presentation. Successful completion of this course will meet requirements for five Adult High School Diploma credits.
Note: This course is open entry/open exit.

AHSD 504 - High School Fundamentals of Reading

0 units
4 hours lecture
Noncredit

This course is an introduction to building vocabulary, reading comprehension, and critical thinking skills and includes a basic review of English language usage. Successful completion of this course will meet requirements for five Adult High School Diploma credits.
Note: This course is open entry/open exit.

AHSD 505 - High School Creative Writing

0 units
4 hours lecture
Noncredit

This high school level course covers creative literary expression through poetry, drama, and short story. Students learn about individual creative writing in various forms. Successful completion of this course will meet requirements for five Adult High School Diploma credits.
Note: This course is open entry/open exit.

AHSD 506 - High School Practical English Skills

0 units
4 hours lecture
Noncredit

This high school level course provides students with a review of grammar, spelling, reading, composition, and essay writing. Successful completion of this course will meet requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 507 - High School Literature in a Multicultural Society

0 units
4 hours lecture
Noncredit

This high school level course is a survey of multicultural literature (fiction and non-fiction) focusing on social, cultural, and literary contexts. Students improve their reading comprehension, writing, and critical thinking skills, and awareness of multicultural literary perspectives. Successful completion of this course will meet requirements for five Adult High School Diploma credits.
Note: This course is open entry/open exit.

AHSD 510 - High School Math Fundamentals

0 units
4 hours lecture
Noncredit

This course helps students master basic arithmetic skills and operations. Topics include integers, fractions, decimals, and percentages. Students learn how to interpret and solve word problems. Successful completion of this course will meet the requirements for five Adult High School Diploma credits.
Note: This course is open entry/open exit.

AHSD 511 - High School Pre-Algebra

0 units
4 hours lecture
Noncredit

This course provides an introduction to the structure and concepts of Algebra, including variables, expressions, equations, absolute value, inequalities, and properties of real numbers. Techniques of algebra, including solving equations and inequalities, graphing linear equations, and solving word problems are also included. Successful completion of this course will meet the requirements for five Adult High School Diploma credits.
Note: This course is open entry/open exit.

AHSD 512 - High School Algebra 1A

0 units
4 hours lecture

Prerequisite: AHSD 511 or placement based on the math assessment process
Noncredit

This course is a study of the language, concepts, and techniques of basic algebra, including signed numbers, expressions and equations, formulas, powers and roots, and inequalities. This course lays a foundation for upper level math and science courses. Successful completion of this course will meet the requirements for five Adult High School Diploma credits.
Note: This course is open entry/open exit.

AHSD 513 - High School Algebra 1B

0 units
4 hours lecture

Prerequisite: AHSD 512 or placement based on the math assessment process
Noncredit

This course is a study of the language, concepts, and techniques of algebra, including exponents, systems of equations, quadratic and exponential functions, rational and irrational numbers, and polynomials. The course lays a foundation for upper level math and science courses. Successful completion of this course will meet the requirements for five Adult High School Diploma credits.
Note: This course is open entry/open exit.

AHSD 514 - High School Introduction to Geometry

0 units
4 hours lecture

Prerequisite: AHSD 513 or placement based on the math assessment process
Noncredit

This course provides students with an overview of the elements of geometry and the properties of those elements. Students learn to use the properties in proofs to develop logical reasoning. The

course integrates basic algebra into geometry and builds skills for upper level math. Successful completion of this course will meet the requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 520 - High School Life Science - Biology

0 units

4 hours lecture

Noncredit

This high school level course provides students with an introduction to the study of life, including biological chemistry, cells, organisms and classification, and ecology. Successful completion of this course will meet requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 521 - High School Life Science - Physiology

0 units

4 hours lecture

Noncredit

This high school level course provides students with an introduction to the study of physiology and genetics, with a focus on human systems. Structure and function of basic human organ systems are the focus, supplemented with contrasts to simple organisms, plant physiology, and basic genetics. Successful completion of this course will meet requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 522 - High School Physical Science - Chemistry

0 units

4 hours lecture

Noncredit

This high school level course introduces students to the study of chemistry, including atomic structure, substances, and reactions. Successful completion of this course will meet requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 523 - High School Physical Science - Physics

0 units

4 hours lecture

Noncredit

This high school level course is an introduction to the study of physics, including energy, optics, and forces. Successful completion of this course will meet requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 524 - High School Environmental Science - Ecology

0 units

4 hours lecture

Noncredit

This high school level course is an introduction to the study of environmental science, including ecological systems of abiotic and biotic factors and current environmental challenges. Successful completion of this course will meet requirements for five Adult High School Diploma credits. Note: This course is open entry/open exit.

AHSD 530 - High School U.S. History: Pre-Colonialism to the Civil War

0 units

4 hours lecture

Noncredit

This high school level course provides students with an analysis of social, economic, and political factors in United States history from the period of Pre-Colonialism to Reconstruction. Successful completion of this course will meet the requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 531 - High School U.S. History: Reconstruction to the Present

0 units

4 hours lecture

Noncredit

This high school level course provides students with an analysis

of social, economic, and political factors in United States history from the period of Reconstruction to the present. Successful completion of this course will meet the requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 532 - High School Introduction to U.S. Government

0 units

4 hours lecture

Noncredit

This high school level course is a survey of the concepts, theories, and functions of the American political system. The basic principles of the United States Constitution and the government of California will be examined. Emphasis will be placed on the formal and informal influences of federalism on national and state governments. Successful completion of this course will meet the requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 533 - High School Introduction to Economics

0 units

4 hours lecture

Noncredit

This high school level course provides students with an introduction to events that influence the American economy, including inflation, purchasing power, taxes, balance of payments, technology, deficit spending, and the cost of living. The course also covers foreign and domestic exchange, consumerism, gross national product (GNP), and banking and currency. Successful completion of this course will meet the requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 534 - High School World Geography

0 units

4 hours lecture

Noncredit

This high school level course is a survey of the major cultural and physical regions of the world and includes a study of people, places, and environments. Successful completion of this course will meet the requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 536 - High School World History I

0 units

4 hours lecture

Noncredit

This high school level course covers various historical time periods that have shaped world events. It begins with the emergence of human society and continues to 1500CE. Successful completion of this course will meet the requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 537 - High School World History II

0 units

4 hours lecture

Noncredit

This high school level course introduces students to perspectives on specific historical events in the context of a broad world view. The historical time frame begins at 1450 CE and continues through to the present. Emphasis is placed on the historical roots of current world issues. Successful completion of this course will meet the requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 540 - High School Music Appreciation

0 units

4 hours lecture

Noncredit

This high school level course is an introduction to classical and popular music. It includes the development of music, explorations of composer's lives and historical and social contexts of the times. Successful completion of this course will meet requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 541 - High School Art History

0 units
4 hours lecture
Noncredit

This high school level course is a survey of visual arts including painting, printmaking, sculpture, architecture and photography. Students learn about historical and contemporary art forms; form, composition and design concepts. Successful completion of this course will meet requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 542 - High School Contemporary Spanish

0 units
4 hours lecture
Noncredit

This high school level course provides students with an introduction to Spanish. Students practice in Spanish language pronunciation, grammar and vocabulary in a contemporary context. The course includes an exploration of culture in both contemporary and historical contexts. Successful completion of this course will meet requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 550 - High School Workplace Skills for the 21st Century

0 units
4 hours lecture
Noncredit

This course prepares students for the modern workplace. Students learn decision-making and life-long learning skills while building competency in written and oral communication and basic math and computer skills. Successful completion of this course will meet requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 551 - High School Health

0 units
4 hours lecture
Noncredit

This high school level course provides students with an informed use of health-related information and an overview of positive attitudes and responsible behaviors for making decisions to promote lifelong health. Successful completion of this course will meet requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 552 - High School Computer Basics

0 units
4 hours lecture
Noncredit

This course provides students with an overview of computer hardware, software, operating systems, file management, the Internet, and e-mail. Successful completion of this course will meet requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 553 - High School Graphic Art Design

0 units
4 hours lecture
Noncredit

This course provides students with an introduction to the field of graphic design. Topics include fundamental design principles, process, typography, imagery, composition, visual communication, and presentation. Successful completion of this course will meet requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AHSD 554 - High School Planning for Academic and Career Success

0 units
4 hours lecture
Noncredit

This high school level course covers successful methods for improving academic and career strategies and skills. It is a survey of educational and occupational opportunities and requirements.

Successful completion of this course will meet requirements for five Adult High School Diploma credits.

Note: This course is open entry/open exit.

AJ 107 - Crime and Control - An Introduction to Corrections

3 units
3 hours lecture

Recommended Preparation: Eligibility for English 1A
Credit, degree applicable
Transfer CSU, UC

This is a basic course covering crime, criminal behavior and social attempts at controlling such behavior. Emphasis in this course is placed on traditional types of punishment, such as incarceration, as well as rehabilitation, probation, parole and diversion. Incarceration issues include officer and inmate safety, physical security aspects of prison, inmate discipline and code of conduct. Rehabilitation topics include education, job skills training and parole. This course covers the basic career skills and knowledge required for employment as detention officers in custodial institutions, probation and parole.

ARCH 173 - Live Urban Sketch

2 units
1 hour lecture/3 hours lab

Recommended Preparation: Architecture 170, Architecture 171, Architecture 172
Credit, degree applicable
Transfer CSU, UC

This sketch course will teach students the process of "drawing what you see" in the natural and built environments. Centered around live sketching in a urban centers as well as local neighborhood settings, students will learn to translate a live scene into a sketch that draws in the viewer. The course accommodates varying drawing abilities and encourages individualized stylistic approaches. Students will demonstrate how to observe, compose, and simplify a complex scene while creating a visual focus and defining the mood for a particular setting.

ART 146 - Designing for the World Wide Web

3 units
2 hours lecture, 4 hours lab

Prerequisite: [ART 141](#) with a minimum grade of C
Recommended Preparation: [ART 131](#) or [ART 142](#)
Credit, degree applicable

Transfer CSU, UC
In this course, students design and create websites through hands-on experience with graphics software. Topics covered include the effective use of topography, images, and layout, organizing content, and designing an effective interface. Technical issues such as file formats, compression, testing, and debugging will also be covered.
(formerly Art 146abcd)

CHEM 1A - General Chemistry I

5 units
3 hours lecture, 6 hours lab

Prerequisite: (1) CHEM 4 with a minimum grade of C or CHEM 4H or 1 year of high school chemistry and qualification by testing (El Camino College Chemistry Placement Test) and assessment (2) eligibility for MATH 170 or qualification by testing (El Camino College Mathematics Placement Test) and assessment

Recommended Preparation: Eligibility for English 1A
Credit, degree applicable
Transfer CSU, UC

This course details fundamental theory and principles of atomic and molecular structure, physical states and chemical reactions. Included is the study of elements, compounds, periodic relationships, bonding, acids and bases, oxidation-reduction, energy, solutions, electrolytes and chemical equations. Descriptive chemistry of water and selected nonmetals including hydrogen, oxygen and carbon is presented.

CHEM 1B - General Chemistry II

5 units
3 hours lecture, 6 hours lab

Prerequisite: Chemistry 1A with a minimum grade of C

Recommended Preparation: Eligibility for English 1A

Credit, degree applicable

Transfer CSU, UC

This course details the chemistry of elements and their compounds in periodic groupings, transition metal complexes, chemical equilibrium, chemical thermodynamics, kinetics, aqueous solutions, net ionic equations, oxidation - reduction equations, electrochemistry and nuclear processes. In the laboratory, qualitative analysis of common metallic and nonmetallic ions will be performed, as well as additional experiments on selected lecture topics.

CHEM 21B - Survey of Organic and Biochemistry

4 units

3 hours lecture, 3 hours lab

Prerequisite: [CHEM 21A](#) with a minimum grade of C

Credit, degree applicable

Transfer CSU, UC*

The study of organic chemistry continues with the nomenclature, properties, preparation, reactions and derivatives of carboxylic acids, amines, aldehydes and ketones. Principles of biochemistry are introduced. Descriptions of the structures and biochemical reactions of carbohydrates, lipids, proteins, enzymes and nucleic acids will be analyzed. Catabolic/anabolic pathways as well as the energy consumed or produced by the metabolism of carbohydrates, fats and proteins will be examined. The chemistry of photosynthesis will be studied.

Note: Students will not receive UC credit for Chemistry 21B if taken after [CHEM 7B](#).

DART 101 - Digital Concept Design Principles and Tools

3 units

2 hours lecture/3 hours lab

Credit, degree applicable

Transfer CSU, UC

This course develops the foundational skills for digital drawing for concept design. Students will learn the principles of concept design, perspective drawing and visual communication of concepts. Students will learn and practice hand based constructive drawing techniques with digital input tools and raster image software to develop visual concepts through drawings of hard surface objects, environments, and characters for use as concepts for 2D and 3D animation, video games, and other entertainment media.

DART 102 - Digital Illustration Design Principles and Tools

3 units

2 hours lecture/3 hours lab

Credit, degree applicable

Transfer CSU, UC

This course is an introduction to Digital Illustration, Vector Graphics and Typography for Storytelling, and presentation of concepts. Students will learn 2D design fundamentals, vector illustration techniques, color theory, page layout, and the use of typographic elements to tell cohesive stories with visual and written elements.

DART 104 - Digital Modeling Principles and Tools

3 units

2 hours lecture/3 hours lab

Credit, degree applicable

Transfer CSU, UC

This is an introductory course in developing digital 3D models for animation, video games, pre-visualization, and VFX. Focus is placed on hand prototyping in simple materials to understand underlying topology and geometry concerns, and modeling with 3D digital tools. The concepts of form, light, and texture will be explored. Industry-standard low and high poly modeling methods are all explored.

ENGR 15 - Engineering Graphics

3 units

2 hours lecture, 3 hours lab

Prerequisite: Math 170 with a minimum grade of C

Credit, degree applicable

Transfer CSU, UC

This course covers the principles of engineering drawings in

visually communicating engineering designs and an introduction to computer-aided design (CAD). Topics include the development of visualization skills; orthographic projections; mechanical dimensioning and tolerancing practices; and the engineering design process. Assignments develop sketching and 2-D and 3-D CAD skills. The use of CAD software is an integral part of the course.

FASH 48 - Fashion Styling

2 units

1 hour lecture, 3 hours lab

Prerequisite: [FASH 15](#) or [FASH 4](#) and [FASH 10](#) and [FASH 41](#) with a minimum grade of C in prerequisite

Credit, degree applicable

This course examines the foundation of fashion styling including industry influencers, terminology, networking, working with clients, presentations, test shoots and creating a freelance styling business.

GPM 100 - Introduction to Game Design and Development

3 units

3 hours lecture

Credit, non degree applicable

Transfer CSU, UC

Introduction to Game Design and Development is a survey course that covers fundamental practical, theoretical, and historical aspects of video games and the game development industry. Students will learn essential concepts used by people who work in and around the design and development of games, gain a basic orientation to how video games and esports have emerged as cultural forms, and learn about the fundamental practices of game development in both AAA and independent game studios.

GPM 110 - Game Design Fundamentals

3 units

2 hours lecture/3 hours lab

Credit, degree applicable

Transfer CSU, UC

Game Design Fundamentals introduces students to the essential practices and principles of design that support development of both video and analog games. Students practice the early stages of video game development as they work in cross functional teams to design and develop playable game prototypes, and then develop and execute prototype testing plans and participate in peer critique.

LAW 4 - Legal Environment of Business

4 units

4 hours lecture

Recommended Preparation: ENGL 84

Credit, degree applicable

*Transfer CSU, UC (see note)

This course is an introduction to a legal environment in which a business firm operates. Topics include an introduction to the American legal systems, contracts, torts, product liability, forms of business organization, trade regulation, labor law, environmental law, and international business law.

Note: *CSU transferability: 1998-present. UC transferability: 2009-present.

LAW 5 - Business Law

3 units

3 hours lecture

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

Credit, degree applicable

*Transfer CSU (see note)

This course explores the fundamental legal principles pertaining to business transactions with an introduction to the legal process. Topics include sources of law and ethics, contracts, torts, agency, criminal law, negotiable instruments, business organizations, and judicial and administrative processes.

Note: *CSU transferability: 1995-present. UC transferability: 1995-Summer 2007.

LGBT 101 - Introduction to LGBTQ+ Studies

3 units

3 hours lecture

Recommended Preparation: Eligibility for English 1A

Credit, degree applicable

Transfer CSU, UC

This course offers an introduction to lesbian, gay, bisexual, transgender, queer, plus (LGBTQ+) studies, including the examination and discussions of identities, history, and cultural representations. The Plus (+) signifies all of the gender identities and sexual orientations not specifically covered by the LGBTQ initials. This course also examines legal, political, and other issues of importance to LGBTQ+ individuals from various perspectives, including biomedical, sociological (including race, ethnicity, and class), psychological, and anthropological. The values, experiences, and cultural contributions of LGBTQ+ individuals will be identified, examined, and authenticated. The course emphasizes an affirming approach and is appropriate for students of any sexual orientation and gender identity.

MUSI 632 - Advanced Piano for the Older Adult

0 units

2 hours lecture/1 hour lab

Noncredit

This course continues the development of musical, technical and functional skills using selected advanced repertoire representative of the style periods, the Baroque, Classic, Romantic and Contemporary. Attendance at specified musical events at El Camino College Center for the Arts is required. This noncredit piano course is designed for older adults.

The content of MUSI 632, a noncredit course, is identical to the content of MUSI 232, a credit course. MUSI 632 shall be offered with MUSI 232 as a dual roster course.

NUTR 150 - Food and Culture

3 units

3 hours lecture

Recommended Preparation: Eligibility for English 1A

Credit, degree applicable

Transfer CSU, UC

This course explores the origins of foods, health beliefs and practices, and preparation techniques customary to a variety of cultures. The course also investigates the social, religious, and therapeutic uses of foods and studies the influence on contemporary food habits in the United States. Students will analyze food access and nutritional status of diverse populations, and discuss global and local efforts made to reduce hunger and create social change.

PASS 510 - Scientific Math Academy

0 units

2.33 hours lecture, 0.3 hours lab

Noncredit

This course covers arithmetic skills commonly used in science lab courses. Some topics include (but are not limited to) converting numbers to scientific notation, place values and rounding, scatterplots and graphing linear equations, converting between percents, fractions, and decimals, metric system, calculating area and volume, as well as exploring exponents and logarithms.

PASS 512 - Statistics Math Academy

0 units

2.33 hours lecture, 0.3 hours lab

Noncredit

This course covers arithmetic and pre-algebra skills commonly used in introductory statistics. Some topics include (but not limited to) place values and rounding, scatterplots and graphing linear equations, converting between percents, fractions, and decimals, calculating area, mean, median, modes, and interpreting mean and standard deviation.

PASS 514 - Algebra Academy

0 units

2.33 hours lecture, 0.3 hours lab

Noncredit

This course covers real number solutions and applications of linear equations, quadratic equations, linear inequalities, and systems of linear equations.

PASS 516 - Intermediate Algebra Academy

0 units

2.33 hours lecture, 0.3 hours lab

Noncredit

This course covers a large library of basic functions and graphs to strengthen and expand students' algebra skills.

PASS 518 - Pre-Calculus Academy

0 units

2.33 hours lecture, 0.3 hours lab

Noncredit

This course covers polynomial, rational, exponential, logarithmic, and trigonometric functions, as well as their inverses.

PASS 520 - Calculus Academy

0 units

2.33 hours lecture, 0.3 hours lab

Noncredit

This course's content is pre-collegiate and covers manipulations of functions, operations of polynomials, and the properties of logarithms and exponentials. Focus will also include trigonometry functions, complex expressions, and analytic geometry.

PE 2B - Power Walking for Fitness

1 unit

3 hours lab

Recommended Preparation: [PE 2A](#)

Credit, degree applicable

Transfer CSU, UC

This course is designed to provide a higher endurance and increased level of aerobic fitness through power walking. Students will participate in high intensity walks that include longer duration and distance. Conditioning programs will emphasize development of endurance, strength, flexibility, progressive increases in caloric expenditure, and improvements in body composition. Topics will include advanced walking strategies, equipment and safety, and the ability to construct effective walking programs for continued benefit.

PE 19 - Boxing for Fitness

1 unit

3 hours lab

Credit, degree applicable

Transfer CSU, UC

This course will combine exercises and techniques from non-contact boxing and kickboxing activities. The course will focus on cardiorespiratory, muscle endurance, strength development and flexibility. Sound training principles will be incorporated to improve one's level of fitness. Students will learn mechanics of boxing and kickboxing during training workouts that emphasize offensive and defensive techniques.

PE 208B - Intermediate Bowling

1 unit

3 hours lab

Recommended Preparation: [PE 208A](#)

Credit, degree applicable

Transfer CSU, UC

This course builds upon the fundamental skills of bowling with one's stance, approach, and arm swing. Emphasis will include syncing arm swing with footwork, finish positioning, and ball release. Shot and lane analysis will be discussed with strategies on how to improve ball reaction and accuracy. Students will practice the mental skills required to succeed in this lifetime activity. Students will also participate in league play during the semester.

Note: Students will pay a user fee for each class meeting for bowling lanes, shoes, and bowling ball. Students must furnish their own transportation to and from the bowling alley.

PE 252A - Beginning Pickleball

1 unit

3 hours lab

Credit, degree applicable

Transfer CSU, UC

This course covers the basic concepts of pickleball including stroke techniques, rules of play, etiquette and strategies during single and double play. Pickleball is a sport that has many similarities to tennis, badminton, and table tennis (Ping-Pong). It is played on a level court with short-handled paddles and a perforated hollow plastic ball that is volleyed over a low net.

Matches feature two opposing players (singles) or two pairs of players (doubles), and the sport can be played either outdoors or indoors.

PE 252B - Intermediate Pickleball

1 unit
3 hours lab

Recommended Preparation: [PE 252A](#)

Credit, degree applicable
Transfer CSU, UC

This course covers the intermediate concepts of pickleball including stroke techniques, rules of play, etiquette and strategies during single and double play. This intermediate course is designed to build upon the beginner's understanding of the game of Pickleball and to improve student's pickleball play within the three pillars of Pickleball: Technical skill, Strategic plan, and Athletic movement. Building on a beginner's ability to play consistently, this intermediate course will add power, spin, placement, positioning, footwork, and a variety of shots and strategies to the student's games.

PE 276 - Theory of Coaching Softball

2 units
2 hours lecture

Credit, degree applicable
Transfer CSU, UC

A general overview of rules, regulations, strategies, mental preparation, skill evaluation, and the history of the sport of softball. This course is designed for students pursuing a career in coaching with an emphasis in the sport of softball.

PSYC 116H - Honors Lifespan Development

3 units
3 hours lecture

Prerequisite: Psychology 101 or Psychology 101H with a minimum grade of C

Recommended Preparation: Eligibility for English 1A

Credit, degree applicable
Transfer CSU, UC

This honors course, intended for students in the Honors Transfer Program, is a survey of the concepts, theories, and functions of psychosocial development. This course examines physical, cognitive and psychosocial development throughout the human lifespan from conception to death. Special emphasis is placed on culture, family relationships, and the interplay of genes and environment. Attention is also devoted to the practical application of research findings to ongoing developmental issues. This course is enriched through extensive, rigorous reading, writing,

SPAN 1H - Honors Elementary Spanish I

5 units
5 hours lecture

Recommended Preparation: Eligibility for English 1A

Credit, degree applicable
Transfer CSU, UC

This honors course, intended for students in the Honors Transfer Program, introduces students to the development of skills for language acquisition in speaking, listening, reading, and writing linguistically appropriate Spanish. Students are also introduced to the cultural background of the language, including relationships among cultural practices and perspectives and the general aspects of everyday life. Technological support includes video, audio, and Internet access to publishers' websites for tutoring and other support. This honors course will be enriched through limited class size, oral presentations, expanded assignments and participation in cultural activities. This course is enriched through extensive, rigorous reading, writing, and research assignments.

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

Note: The maximum UC credit allowed for students completing Spanish 1 and [SPAN 52A](#) and [SPAN 52B](#) is five units. This course is comparable to two years of high school Spanish.

SPAN 52A - Spanish for Native Speakers I

5 units
5 hours lecture

Prerequisite: [SPAN 2](#) with a minimum grade of C or equivalent
Credit, degree applicable

and research assignments.

Note: Students may either take Psychology 116 or Psychology 116H. Duplicate credit will not be awarded.

SOCI 107H - Honors Issues of Race and Ethnicity in the United States

3 units
3 hours lecture

Recommended Preparation: Sociology 101 or Sociology 101H
Credit, degree applicable

Transfer CSU, UC

This honors course, intended for students in the Honors Transfer Program, is a survey of the concepts, theories, and functions of the race and ethnicity issues in the United States. In this course students examine issues of race and ethnicity in the United States from a sociological perspective, Sociological concepts and theories are used to analyze the social construction of race and ethnicity. Course material will examine how race simultaneously shapes and is shaped by immigration patterns, policies, and inequalities in social institutions such as the media, education, labor market, housing, and the criminal justice system. Intersectionality, nativism, colorism, racial ideologies, and sociological theories of race and racism will also be studied. This course is enriched through extensive, rigorous reading, writing, and research assignments.

Note: Students may take either Sociology 107 or Sociology 107H. Duplicate credit will not be awarded.

SPAN 1 - Elementary Spanish I

5 units
5 hours lecture

Recommended Preparation: Eligibility for English 1A

Credit, degree applicable
Transfer CSU, UC*

This course introduces students to the development of skills for language acquisition in speaking, listening, reading, and writing linguistically appropriate Spanish. Students are also introduced to the cultural background of the language, including relationships among cultural practices and perspectives and the general aspects of everyday life. Technological support includes video, audio, and Internet access to publishers' websites for tutoring and other support.

Note: This course is comparable to two years of high school Spanish.

Note: The maximum UC credit allowed for students completing Spanish 1 and [SPAN 52A](#) and [SPAN 52B](#) is five units. This course is comparable to two years of high school Spanish.

Transfer CSU, UC*

This course is designed for students with a native-speaking knowledge of Spanish who have little or no formal instruction in the Spanish language. Students learn the difference between regional and academic Spanish in order to improve their pronunciation, writing, vocabulary, and use of registers. Students also become familiar with the cultural production of the Spanish-speaking world.

Note: The maximum UC credit allowed for students completing [SPAN 1](#) and Spanish 52A and [SPAN 52B](#) is five units.

SPAN 52B - Spanish for Native Speakers II

5 units
5 hours lecture

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

Credit, degree applicable
Transfer CSU, UC*

This course is a continuation of Spanish 52A, covering additional grammar, orthography, and cultural topics. It is designed for students with a native speaking knowledge of Spanish who have little or no formal instruction in the Spanish language. Students learn the difference between regional and academic Spanish in order to improve their pronunciation, writing, vocabulary, and use of registers. Students also become familiar with the cultural production of the Spanish-speaking world.

Note: The maximum UC credit allowed for students completing [SPAN 1](#) and [SPAN 52A](#) and 52B is five units.

SSCI 103H - Honors Introduction to Social Justice Studies

3 units

3 hours lecture

Recommended Preparation: Eligibility for English 1A

Credit, degree applicable

Transfer CSU, UC

This honors course, intended for students in the Honors Transfer Program, is a survey of the concepts, theories, and broad range of issues in social justice. This course introduces students to social justice theories and the historical and contemporary responses to inequality and injustice. The role of imbalances of power in society, social movements, culture, politics and

institutions will be discussed. The course also explores a broad range of issues including notions of inequality based on race, class, gender, sexuality and issues related to environmental and criminal justice and human rights. Diverse theories and practical applications of social justice and social movements that have been made over time to remedy social injustice will be examined. This course is enriched through extensive, rigorous reading, writing, and research assignments.

Note: Students may take either Social Science 103 or Social Science 103H. Duplicate credit will not be awarded.

Programs of Study

Actuarial Science, AS

The degree provides students with sufficient depth and support transfer plans in actuarial science for the baccalaureate degree. The core of this interdivisional major is a combination of sequences in calculus, accounting, and economics. Student will acquire a conceptual understanding of the principles of differential and integral calculus for functions of several variables, financial and managerial accounting, as well as economics theory. Additionally, student gains skills in the mining, dissemination, and presentation of data through coursework in computer science, communications, and statistics.

Competency will be assessed through projects and examinations that evaluate the student's ability to solve a wide range of problems experienced in the actuarial field.

Required Courses:

Course Name	units
MATH 150 - Elementary Statistics with Probability 4 units	4 units
MATH 190 - Single Variable Calculus and Analytic Geometry I 5 units	5 units
COMS 180 - Data-Driven Persuasion 4 units	4 units
MATH 191 - Single Variable Calculus and Analytic Geometry II 5 units	5 units
BUS 150 - Financial Accounting 4 units	4 units
ECON 101 - Principles of Economics: Macroeconomics 3 units	3 units
MATH 220 - Multi-Variable Calculus 5 units	5 units
CSCI 1 - Problem Solving and Program Design Using C++ 4 units	4 units
or	
CSCI 14 - Introduction to Programming with Python 4 units	4 units
BUS 151 - Managerial Accounting 4 units	4 units
ECON 102 - Principles of Economics: Microeconomics Theory 3 units	3 units
MATH 270 - Differential Equations with Linear Algebra 5 units	5 units
HDEV 107 - Navigating the Transfer Process 1 unit	1 unit
Total Units: 47	

Respiratory Care, BS

Health Sciences and Athletics Division
www.elcamino.edu/academics/healthsciences

The ECC Baccalaureate of Science Degree Program in Respiratory Care is designed to expand preparation and technical expertise of respiratory care practitioners. Program graduates will be trained to serve in leadership and clinical practitioner roles. Students will acquire advanced knowledge and skills in usage of evidence-based medicine in various areas of respiratory care such as personnel management, policy design, and case management of patients in the clinical setting.

Note: This degree has the following requirements: A combination of lower and upper division courses totaling a minimum of 120 semester units that are applicable to a baccalaureate degree. All courses designated as an upper division major requirement must be completed with a minimum grade of "C" (or "P") for each course in the major.

Requirements for Admission

- AS Degree in Respiratory Care from an Accredited CoARC institution.
- Applications will be accepted each Spring.

Program Costs

Upper division courses in the Respiratory Care, BS Program, are just \$130 per unit. Learn more about college costs, financial aid options, and scholarships by visiting our Financial Aid website.

Graduation Requirements:

1. Complete a minimum of 120 units which include:
2. 34-39 units of general education (either CSU-GE Breadth, IGETC, or Cal-GETC [effective Fall 2025]). CSUGE and IGETC applicability will depend on catalog rights and continuous attendance.
3. 40 units are credited to the A.S. Respiratory Care degree courses
4. 32 units of upper division respiratory care courses
5. 9 units of upper division non-respiratory upper division course work
6. Additional electives (CSU transferable) to reach 120 units.

Total Units for Degree: 120

Required Respiratory Courses (32 units):

Course Name	units
BSRC 371 - Principles of Evidence Based Medicine 3 units	3 units
BSRC 373 - Respiratory Care Management and Supervisorial Skills 3 units	3 units
BSRC 375 - Evidenced-Based Medicine in Respiratory Care 3 units	3 units
BSRC 377 - Respiratory Care Management Using Evidence Based Medicine 3 units	3 units
BSRC 379 - Respiratory Care Management of Budget Development and Personnel Issues 4 units	4 units
BSRC 481 - Case Management in Pulmonary Emergency Medicine 4 units	4 units
BSRC 483 - Case Management in Chronic Pulmonary Disease 4 units	4 units
BSRC 485 - Case Management in Sleep Apnea and Pulmonary Function Testing Issues 4 units	4 units
BSRC 487 - Case Management Issues in Respiratory Care Management 4 units	4 units

Required General Education Courses (9 units):

Course Name	units
PHIL 374 - Medical Ethics 3 units	3 units
PSYC 378 - Psychology of Stress, Illness, and Trauma 3 units	3 units
SOCI 380 - Medical Sociology 3 units	3 units

Total Upper Division Units: 41