

Science, Technology, Engineering & Math (STEM)



Exploratory Courses

The courses listed below are suggestions to help students explore their personal, major, and/or career interests. Please consult with an academic counselor for information about major, general education (GE), degree, and transfer credits and requirements as well as credit limitations:

<https://www.elcamino.edu/student/student-services/counseling/appointments.aspx>

Course descriptions can be found at <http://catalog.elcamino.edu/content.php?catoid=6&navoid=293>

* - Courses have prerequisite requirements that need to be completed prior to registering into the course. Please refer to the ECC catalog at <http://catalog.elcamino.edu/> and/or an academic counselor for more information at https://www.elcamino.edu/student/student-services/counseling/express_counseling.aspx

() - The terms that the course is offered if not offered in all terms/sessions. This information may be subject to change. Please check the class schedule for the most up to date information on class listing for a specific semester/term: <https://www.elcamino.edu/academics/schedules-calendars/class-schedules/index.aspx>

Astronomy 20- The Solar System

Astronomy 25- Stars and Galaxies (Fall, Spring)

Biology 10- Fundamentals of Biology

Biology 11- Fundamentals of Zoology (Fall)

Biology 15- Environmental Aspects of Biology

Biology 16- Field Entomology (Spring)

Biology 17- Marine Biology (Spring)

Biology 110* [Formerly BIOL 120] [For STEM Majors]- Principles of Biology (Spring)

Chemistry 1A* and **1B*** [For STEM Majors]- General Chemistry (Fall, Spring, Summer)

Chemistry 4*- Beginning Chemistry

Chemistry 20*- Fundamentals of Chemistry

Chemistry 21A*- Survey of General and Organic Chemistry (Fall, Spring, Summer)

Computer Science 7- The Beauty of Computer Science Principles (Fall, Spring)

Computer Science 8: Foundations of Data Science (Fall, Spring)

Engineering 1- Intro to Engineering (Fall, Winter, Spring)



Geography 1- Physical Geography
Geography 2- Cultural Geography (Fall, Spring)
Geography 5- World Regional Geography (Fall, Winter, Spring)
Geography 7- Geography of California (Spring)

Geology 1- Physical Geology
Geology 2- History of Planet Earth (Fall)
Geology 6- Earth Science in Education (Spring)
Geology 7- Environmental Science I (Fall, Spring)
Geology 15- Natural Disasters (Spring)

Math 115* - Probability and Statistics for Prospective Elementary School Teachers (Fall)
Math 120* - Liberal Arts Mathematics
Math 140* - Finite Mathematics for Business and Social Sciences (Fall, Spring)
Math 150* - Elementary Statistics with Probability
Math 165* - Calculus for Business and Social Sciences
Math 190* and **191*** [For STEM Majors]- Single Variable Calculus and Analytic Geometry

Physical Science 25- Exploring Physical Sciences (Fall)
Physics 1A* - Mechanics of Solids (Fall, Spring, Summer)
Physics 2A* - General Physics
Physics 3A* - General Physics with Calculus (Fall, Spring)
Physics 11- Descriptive Introduction to Physics (Fall, Spring)

