

BIOLOGICAL SCIENCES (BIOSC)

The Biological Sciences Department at Contra Costa College offers courses and laboratories that prepare students for various careers and academic paths in the field of biology. The department covers a wide range of topics and disciplines, from molecular biology and biotechnology to ecology and evolution. Students can learn how to apply biological principles and methods to various domains, such as engineering, medicine, and technology.

BIOSC-110

Introduction to Biological Science

Section 2817

06/10/24 thru 07/18/24
In-Person Course
4 Units

Lecture

Mon/Tue/Wed/Thu
8:00am - 10:15am
SCI 111

Lab

Mon/Tue/Wed
10:25am - 1:35pm
SCI 217

This is fully in-person following the protocols for wearing masks and social distancing. On-campus instruction is subject to change according to circumstances.

Instructor: Suzanne Sparacio (ssparacio@contracosta.edu)

This course covers the principles and concepts of general biology through a study of the cell and its molecular nature, genetics, evolution, and a brief survey of the plant and animal kingdoms.

CHEMISTRY (CHEM)

The Chemistry Department at Contra Costa College offers courses and laboratories that explore the science of substances and their transformations. The department covers a broad range of topics and applications, from atomic and molecular structures and properties to the roles of chemistry in various fields, such as biology, medicine, engineering, and art. Students who major in chemistry need to have solid foundations in math and physics as well.

CHEM-119

Introduction to Chemistry

Section 0120

06/10/24 thru 07/18/24
In-Person Course
4 Units

Lecture

Mon/Tue/Wed/Thu
9:35am - 11:50am
SCI 113

Lab

Mon/Tue/Wed/Thu
12:00am - 2:15pm
SCI 313

This is a fully in-person course with on-campus meetings on the days and times indicated. On-campus instruction will follow all relevant health and safety protocols and is subject to change according to circumstances.

Instructor: Anton El Khoury (aelkhoury@contracosta.edu)

This course introduces the elementary principles of chemistry from a conceptual approach, focusing on the concepts of chemistry with little emphasis on the calculations. This course serves as a first course in chemistry.

*Prerequisite: MATH-118 or higher. Or appropriate placement score (such as Multiple Measures or Guided Self Placement).
Advisory: Highly recommended, Algebra or higher math skills.*

ENGLISH (ENGL)

The English Program at Contra Costa College helps students develop their reading, writing and other English skills that are essential for academic success. The program offers an English course for beginners, as well as an Associate of Arts degree in English with a transfer option. The program also provides faculty and peer tutoring support for students.

ENGL-142B

Writing: Expository - B

Section 2408

06/10/24 thru 07/18/24
Online Course
4 Units

Asynchronous

Materials available
through Canvas

Section 2408 is offered in an online format. This course is designed for concurrently enrolled high school students (students whose transcripts can not yet be applied to CCC's Multiple Measures Placement). You will receive a college email prior to the course. You may contact your instructor at rescudero@dvc.edu.

Instructor: Renato Escudero (rescudero@dvc.edu)

This course includes reading classic and contemporary essays of varied cultural perspectives, examining writers' techniques, writing compositions that apply expository techniques, reviewing grammar, and learning argumentation. It is designed to prepare students for entrance into ENGL-001A.

MATHEMATICS (MATH)

The Mathematics Department at Contra Costa College offers courses and laboratories that span various levels and fields of mathematics. The department helps students to appreciate the beauty and relevance of mathematics, apply mathematical concepts and skills to real-world situations, solve problems using mathematical reasoning and techniques, and communicate and represent mathematical ideas in different forms.

MATH-119 Plane Geometry

Section 1122
06/10/24 thru 07/18/24
In-Person Course
5 Units

Lecture
Mon/Tue/Wed/Thu
8:30am - 12:20pm
AA 145

This late-start course is taught fully on campus at the scheduled days and times. If you register for this section, please plan on being on campus at the days and times listed. All relevant health and safety protocols will be followed.

Section 1123
06/10/24 thru 07/18/24
Online Course
5 Units

Lecture
Mon/Tue/Wed/Thu
1:25pm - 5:15pm

This late-start course is taught fully online with synchronous meetings via Zoom at the scheduled days and times. The college learning management system Canvas will be used to provide all instruction. Your course will be accessible on Canvas on the first day of the semester, and links to Zoom meetings will be provided within the course. It is important to note that a webcam and microphone are required.

Instructor: Max Rivera (mrivera@contracosta.edu)

This course presents geometric constructions, triangles, congruence, parallelograms, circles, loci of points and similar polygons with emphasis on formal proof as an aid to logical reasoning. (Students who have successfully completed high school geometry will not receive credit for MATH-119.)

*Prerequisite: MATH-118
Advisory: Enrollment in MATH-875N is highly recommended.*

MATH-120 + MATH-120S Intermediate Algebra + Support for Math-120 Success

Section 2124
06/10/24 thru 07/18/24
In-Person Course
5 Units

Lecture
Mon/Tue/Wed/Thu
9:00am - 12:50pm
AA 143

MATH-120 AND MATH-120S are linked classes, and you must enroll in both courses.

Additionally, this course is taught fully on campus at the scheduled days and times. If you register for this section, please plan on being on campus on the listed days and times. All relevant health and safety protocols will be followed.

Section 3124
06/10/24 thru 07/18/24
In-Person Course
1 Unit

Lecture
Mon/Tue/Wed/Thu
1:10pm - 3:25pm
AA 143

Instructor: Minyoung Lee (mlee@contracosta.edu)

MATH-120:

This course provides review and further development of material of MATH-118 (Elementary Algebra), second degree equations and inequalities, functions, conic sections, systems of equations, and exponential and logarithmic functions.

MATH-120S:

This course is designed to give Elementary Algebra support to students who need it while concurrently enrolled in Intermediate Algebra. It covers concepts and provides just-in-time remediation necessary to be successful in MATH-120.

High School College Connection MUST enroll in both MATH-120 AND MATH-120S
Prerequisite: MATH-118 or placement by multiple measures; OR Corequisite: MATH-120S

MATH-164 + MATH-164S

Introduction to Probability & Statistics + Support for Math-164 Success

Section 1650

06/10/24 thru 07/18/24
In-Person Course
4 Units

Lecture

Mon/Tue/Wed/Thu
1:10pm - 4:15pm
AA 145

This course is taught fully on campus at the scheduled days and times. If you register for this section, please plan on being on campus at the days and times listed. All relevant health and safety protocols will be followed.

Instructor: Perry Joseph Aliado (paliado@contracosta.edu)

MATH-164:

This course introduces the theory of probability and a study of descriptive statistics and statistical inference. Included will be a general study of measures of central tendency and dispersion probability models, random variables, probability distributions, and hypothesis testing. This is designed to serve as an introductory course in statistics for the student in business, psychology, life sciences and social sciences.

MATH-164S:

This course is designed to give Algebra and Geometry support to students who need it while concurrently enrolled in MATH-164 (Introduction to Probability and Statistics). It covers concepts and provides just-in-time remediation necessary to be successful in MATH-164.

High School College Connection MUST enroll in both MATH-164 AND MATH-164S

*Prerequisite: MATH-120 or MATH-122 or MATH-125, or placement by multiple measures;
OR Corequisite: MATH-164S*

MATH-171

Precalculus

Section 3041

06/10/24 thru 07/18/24
In-Person Course
5 Units

Lecture

Mon/Tue/Wed/Thu
9:00am - 12:50pm
AA 211

Instructor: Matthew Lee (malee@contracosta.edu)

This course presents the elements of coordinate geometry: algebraic and transcendental functions, including polynomial, rational, exponential, logarithmic, trigonometric and other algebraic functions; inverse functions; and curve sketching.

Prerequisite: MATH-120 or MATH-122 or placement by multiple measures;

MATH-190

Analytic Geometry and Calculus I

Section 1902

06/10/24 thru 07/18/24
Online Course
5 Units

Lecture

Mon/Tue/Wed/Thu
12:45am - 5:20pm

This course is taught fully online with synchronous meetings via Zoom at the scheduled days and times. The college learning management system Canvas will be used to provide all instruction. Your course will be accessible on Canvas on the first day of the semester, and links to Zoom meetings will be provided within the course. It is important to note that a webcam and microphone are required.

Instructor: Christopher Wu (cwu@losmedanos.edu)

This course is the first course in differential and integral calculus of a single variable: functions; limits and continuity; techniques and applications of differentiation and integration; Fundamental Theorem of Calculus. Primarily for science, technology, engineering & math majors.

Prerequisite: MATH-171 or both MATH-121 and MATH-135.

PHYSICS (PHYS)

The Physics Department at Contra Costa College provides courses and laboratories on matter and energy interactions. The department covers classical and modern physics topics, such as mechanics, electricity, magnetism, optics, acoustics, heat, atomic, nuclear, particle, and solid-state physics. The department prepares students for careers and academic paths in physics and related fields. Physics majors need strong math skills.

PHYS-110 + PHYS-110L

Descriptive Physics + Descriptive Physics Laboratory

Section 4823

06/10/24 thru 07/18/24
Online Course
3 Units

Asynchronous

Prerecorded and
live lectures available

PHYS-110 AND PHYS-110L are a linked class and Lab, and you must enroll in both courses.

The course is fully online. You will receive a college email prior to the start of class. There will be pre-recorded lecture videos. There will also be optional live online meetings by Zoom on Thursday from 9:00AM - 11:00AM.

Section 3214

06/10/24 thru 07/18/24
In-Person Course
1 Unit

Lab

Mon/Tue/Wed
9:25am - 12:35pm
SCI 316

This lab meets on-campus every Monday, Tuesday, and Wednesday from 9:30AM to 12:35PM. Please obtain the lab manual (~\$5) in the CCC Bookstore before the first meeting. This lab is done entirely during the lab period. There is a lab exam, using your own notes and lab manual, in the middle of the semester and at the end.

Instructor: Mark Wong (mwong@contracosta.edu)

PHYS-110:

This course presents a descriptive study of the fundamental laws of forces, motion, heat, electricity, magnetism, optics and modern physics, with discussions and experimental illustrations. The emphasis will be on the impact of physics on the layman. This course is not open to students who have completed any course in college physics.

PHYS-110L:

This course is designed to augment PHYS 110. Students will perform one experiment per week and investigate such phenomena as gravity, buoyancy, electricity, and nuclear reaction.

High School College Connection MUST enroll in both PHYS-110 AND PHYS-110L

Prerequisite: MATH-120 or MATH-122.