



IRVINE VALLEY  
COLLEGE

# Dual Enrollment

## College Courses for High School Students

October 29, 2025

Also known as concurrent enrollment, dual enrollment enables high school students to take college courses, taught by college professors, at their high school campus. Dual enrollment lets students earn college credit while still in high school. These courses may also count toward a high school diploma (depends on HS policy), allowing students to get a head start on their higher education goals.

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**SPRING 2026**

## **Site: Dana Hills (Capistrano Unified)**

### **BIOT 173 - Biotechnology A-Basic Lab Skills [Biotechnology Pathway]**

 UNITS: 4  LECTURES: 3 HOURS  LABS: 3 HOURS  NOT TRANSFERABLE  GE: NOT COUNTED FOR UC/CSU GENERAL ED

*Full Description:* Biotechnology transforms knowledge that emerges from life science research into products of value to people. This course provides students with a foundation in techniques necessary to work as effective professionals in a biotechnology laboratory or production facility. Emphasis placed on metrology (the study of measurement), solution preparation and sterilization, aseptic technique, performing assays and basic biological separation methods. The course integrates ethical considerations along with product quality systems documentation; trouble-shooting; calibration, accuracy and precision error reduction. Integrating a “quality-mind-set” into their laboratory work is important for students who plan to work in a biotechnology company or someday aspire to generate meaningful results in a research environment.

*Typical Class Cap:* 28

CRN/Ticket #: **33423**, 01/12/26 – 05/20/26, T 07:00 AM - 08:30 AM (Room: DANA HILLS); R 07:00 AM - 08:30 AM (Room: DANA HILLS); ONLINE; ONLINE, taught by Clarke, Kristine ([kclarke14@ivc.edu](mailto:kclarke14@ivc.edu))

Drop without “W” grade: 02/01/26; Drop with “W” grade: 04/18/26

### **BIOT 70 - Introduction to Biotechnology [Biotechnology Pathway]**

 UNITS: 3  LECTURES: 3 HOURS  TRANSFER TO BOTH UC AND CSU  GE: CALGETC BIOLOGICAL SCIENCE

*Full Description:* Biotechnology is the use of microorganisms or biological substances, such as enzymes, to solve problems, develop or make useful products, perform specific industrial or manufacturing processes such as the

bio-conversion of organic waste and the use of genetically altered bacteria in the cleanup of oil spills. This course is an introduction to the field of biotechnology including a history of its origin and development, a survey of modern industrial applications and accomplishments, ethical considerations, and career paths. Industry practices and ethics will be emphasized. Field trips may be required.

*Typical Class Cap: 45*

CRN/Ticket #: **32013**, 01/12/26 – 05/20/26, ONLINE, taught by Mackenzie, Emalee ([emackenzie@ivc.edu](mailto:emackenzie@ivc.edu))

Drop without “W” grade: 02/01/26; Drop with “W” grade: 04/18/26

## BIOT 70 L - Introductory Biotechnology Laboratory [Biotechnology Pathway]

 UNITS: 1  LABS: 3 HOURS  TRANSFER TO BOTH UC AND CSU  GE: CALGETC LABORATORY

*Full Description:* This laboratory course addresses basic skills and techniques common to the biotechnology industry. Topics include measurement of activity and quantity of proteins, growth and manipulation of bacteria, genetic engineering and antibody methods. This course is intended for students majoring in applied biotechnology and is the recommended course to accompany BIOT 70.

*Typical Class Cap: 28*

CRN/Ticket #: **32024**, 01/12/26 – 05/20/26, T 11:30 AM - 12:20 PM (Room: DANA HILLS); R 10:35 AM - 12:10 PM (Room: DANA HILLS); ONLINE, taught by Clarke, Kristine ([kclarke14@ivc.edu](mailto:kclarke14@ivc.edu))

Drop without “W” grade: 01/29/26; Drop with “W” grade: 04/07/26