

College and Career Access Pathways (CCAP)

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# DUAL ENROLLMENT COURSES

Fall 2022



## Find **Your** Path

### **Hello, High School Students!**

IVC's dual enrollment courses can set you on the **right path** towards earning a certificate, degree, and/or transferring to a four-year school.

Starting your college journey **right now** will save you time and money and set you up for success in higher education.

***The best start is an early start....***

## Biotechnology Pathway

Take courses to earn the Biotechnology: Lab Assistant Certificate of Achievement [[LINK](#)]. Upon completion, students will be eligible to obtain entry level employment as laboratory assistants in biotechnology industries, such as pharmaceutical labs or research and development laboratories.

### BIOT 70 INTRODUCTION TO BIOTECHNOLOGY

3 Units - 3 hours lecture

Transfers: CSU, UC

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.

### BIOT 70L INTRODUCTORY BIOTECHNOLOGY LABORATORY

1 Unit - 3 hours lab

Transfers: CSU, UC

Prerequisite: Prior completion of or concurrent enrollment in BIOT 70

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.

### BIO 10 BIOCHEMISTRY FOR HEALTH SCIENCES

4 Units - 3 hours lecture, 3 hours lab

Transfers: CSU, UC

This course addresses the application of chemical principles to biological systems, especially at the cellular level of structure and function. Essential topics include the nature of biologically important solutions and colloids; structure, functions and interactions of biological macromolecules; interactions of biological molecules in formation and functions of biological membranes; intracellular metabolism and enzyme functions; and genetic control of biological functions. The course is intended for health science students who have no previous background in sciences. Students can receive credit in Bio 10 or Biot 71 but not both.

# Fall 2022 Course Offerings

## Business & Entrepreneurship Pathway

Management 1 is a core or elective course in many of the college's associates degrees, including the Business Administration Associate of Science for Transfer [[LINK](#)], the Business Administration Associate of Arts [[LINK](#)], and the Business Management Associate of Sciences [[LINK](#)].

### MGT 1 INTRODUCTION TO BUSINESS

3 Units - 3 hours lecture

Transfers: CSU, UC

A survey in business providing a multidisciplinary examination of how culture, society, economic systems, legal, international, political, financial institutions, and human behavior interact to affect a business organization's policy and practices within the US and a global society. Demonstrates how these influences impact the primary areas of business including: organizational structure and design; leadership, human resource management, organized labor practices; marketing; organizational communication; technology; entrepreneurship; legal, accounting, financial practices; the stock and securities market; and therefore affect the ability of a business to achieve its organizational goals.

### Pro Tip:

After taking **MGT 1** in **Fall 2022**, enroll in one of these upcoming business courses in **Spring 2023**:

Entrepreneurship 160 Managing Your Business

Entrepreneurship 200 Pathways to Success\*

Entrepreneurship 211 Business Models: The Design and Delivery of Value\*

Entrepreneurship 212 Market Validation and Research\*

\*ENTR 200, ENTR 211, and ENTR 212 are taken together. Upon successful completion of the three courses, students earn the **Research Tools for Entrepreneurs Certificate of Proficiency**.

## College Math Pathway

Start your college math journey with an IVC course paired with supplemental instructional support from an IUSD math teacher.

### MATH 5 MATHEMATICS FOR LIBERAL ARTS STUDENTS

3 Units - 3 hours lecture

Transfers: CSU, UC

This course examines the nature of mathematics and its role in society, history of mathematical ideas and methods and the use of mathematics in problem solving. The major categories of mathematics will be studied including probability, graph theory, codes and coding, and mathematics as applied to the sciences, social sciences, and other disciplines, and to real-world consumer applications.

#### Pro Tip:

After taking **MATH 5** in **Fall 2022**, enroll in **MATH 10 INTRODUCTION TO STATISTICS** in **Spring 2023**.

## Not sure what class to take?

Contact your high school counselor:

<https://iusd.org/schoolcounselors>

Or reach out to the Irvine Valley College  
Counseling Center [here](#).

## Computer Information Management Pathway

Hone your technical knowledge, computer skills, and analytical acumen with courses in computer information systems and data analytics.

### **CIM 107 INTRODUCTION TO PERSONAL COMPUTER APPLICATIONS**

3 Units - 3 hours lecture

Transfers: CSU

This course introduces Microsoft Office Professional applications. Topics covered include word processing (Word), spreadsheet (Excel), database (Access), presentation (PowerPoint), email management (Outlook), and World Wide Web navigation software.

### **CIM 252 DATA ANALYTICS FUNDAMENTALS**

3 Units - 3 hours lecture

This course is an overview of data analytics and their use in making business decisions, covering a broad selection of topics along the life-cycle of data analytics (business objective; data collection, cleansing, transformation; data analysis, data visualization/storytelling; data-based decision making). Professional skills, such as communication, presentation, and data storytelling, will be presented. Students will acquire a basic working knowledge of data analytics through hands-on projects and study in a variety of business, engineering, social sciences, or life sciences domains. Issues of ethics, leadership, and teamwork will be highlighted.

## Languages & Communications Pathway

Develop communication skills in English and world languages while earning transferable credit to the UCs and CSUs.

### **COMM 1 COMMUNICATION FUNDAMENTALS**

3 Units - 3 hours lecture

Transfers: CSU, UC

Description: This course offers students an opportunity to understand and use the components and processes of oral communication. The course is designed to develop fundamental skills in effective listening; selecting and researching topics; organizing and supporting ideas; preparing and presenting informative and persuasive speeches; and evaluating speech content and delivery. Student presentations are required. Credit may be earned in either COMM 1 or COMM 1H, but not both.

### **ASL 21 BEGINNING AMERICAN SIGN LANGUAGE I**

4 Units - 4 hours lecture

Transfers: CSU, UC

This course is designed to develop the student's ability to understand and communicate in American Sign Language (ASL). The course introduces the language of sign; the manual alphabet (finger spelling); and the basic vocabulary, grammar, syntax, and conversational conventions of ASL. The emphasis is on ASL as a visual-gestural language and on the unique cultural and linguistic features of the Deaf community. ASL 21 is equivalent to two years of high school ASL. ASL 21 was formerly offered as SIGN 21.

### **JA 1 BEGINNING JAPANESE I**

5 Units - 5 hours lecture

Transfers: CSU, UC

This course is designed to develop the fundamentals of communicating in Japanese, including listening comprehension, reading, writing, and basic conversation. The emphasis is on the comprehension of native spoken and written Japanese. The course introduces reading and writing Japanese syllabic symbols and selected Kanji characters. It also presents general aspects of Japanese daily life and culture. Throughout the course, grammar plays a supportive role in the acquisition of basic competency in reading, writing, speaking, and understanding Japanese. JA 1 is equivalent to two years of high school Japanese.

# Registering for classes is as EASY as 1, 2, 3....

**Apply** to IVC for Fall Semester  
2022 HERE by **May 1**

You can skip this step if you took classes at IVC or  
Saddleback College in Fall 2021, Spring 2022 or  
Summer 2022

**Submit** your K12 Special  
Admission Request for IUSD CCAP  
Courses HERE by **May 10**

**Enroll.** Staff at your high school will  
give you an Add Permit Code (APC). Use  
that code to self-enroll on or after your  
registration date and no later than **June  
30\***

\*Courses with low enrollments will be canceled by the college. Therefore, it is important that students enroll with  
their Add Permit Codes on or near their priority registration date on June 21 or June 22.





Need help with the  
registration process?

**We've got you covered!**

**Directions, links, and video** instructions for signing up for  
CCAP Dual Enrollment courses are here:

<https://admissions.ivc.edu/k12/ccap>

You can also contact a **dual enrollment specialist** in the  
**IVC Admissions and Records** office: **(949) 451-5220**

Finally, you can always contact your IUSD **school site  
counselor** or **college and career specialist**:

<https://iusd.org/schoolcounselors>