

College and Career Access Pathways (CCAP)

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# DUAL ENROLLMENT COURSES

Spring 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.

#### Section: 62035

Location: Online

Modality: Online

Enrollment Eligibility: Open to all IUSD students

### 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.

#### Section: 61890

Location: Northwood High School

Modality: Live, Face-to-Face instruction, Tuesdays, 4:15 PM-7:05 PM

Enrollment Eligibility: Open to all IUSD students

#### Section: 65545

Location: University High School

Modality: Live, Face-to-Face instruction, Wednesdays, 4:15 PM-7:05 PM

Enrollment Eligibility: Open to all IUSD students

## Business & Entrepreneurship Pathway

Take courses to earn the Research Tools for Entrepreneurs Assistant Certificate of Proficiency [\[LINK\]](#). This certificate is intended to help students understand and use research tools and processes used in validating business ideas and marketing strategies. To round out your business knowledge further, take ENTR 160, which is transferable to the CSU system.

### Entrepreneurship Certificate Courses

**Students must enroll in all three ENTR courses at once (ENTR 200, ENTR 211, & ENTR 212)**

#### ENTR 200 PATHWAYS TO SUCCESS

1 Unit - 1 hour lecture

Description: This interactive course enables students to engage in the fundamental aspects of creatively developing frameworks of passion and purpose as a means of personal empowerment and wealth. The course promotes entrepreneurial thinking across disciplines and assists students in developing a process for transforming ideas into sustainable success. Students will examine how others overcame adversity and achieved success. The course includes individualized learning assessments designed to assist the student in exploring their frameworks of thought and entrepreneurial potential.

**Section: 63065**

Location: Northwood High School  
Modality: Live, Face-to-Face Instruction  
Course Meets: Wednesdays, Fridays 8:30 AM-9:55 AM  
Enrollment Eligibility: Open to all IUSD students

#### ENTR 211 BUSINESS MODELS: THE DESIGN AND DELIVERY OF VALUE

2 Units - 2 hours lecture

Description: Successful entrepreneurs are able to describe how their organization creates, delivers, and captures value. This cross-disciplinary course helps students understand business model generation by examining customer segments, profitability and the process of identifying business goals, developing strategic objectives, critical success factors, and key performance indicators for entrepreneurial endeavors. Students will learn how to filter business opportunities, project whether business opportunities can be scalable, identify and validate potential markets, and estimate profitability.

**Section: 63235**

Location: Northwood High School  
Modality: Live, Face-to-Face Instruction  
Course Meets: Wednesdays, Fridays 8:30 AM-9:55 AM  
Enrollment Eligibility: Open to all IUSD students

## Business & Entrepreneurship Pathway

### ENTR 212 MARKET VALIDATION AND RESEARCH

1 Unit - 1 hour lecture  
Description: This course explores a variety of resources, tools, and techniques for collecting and analyzing market research data. It engages students in the process of assessing target markets, implementing a market validation strategy, and interpreting primary and secondary research to create effective plans and forecasts. The course illustrates how targeting the market can reduce marketing costs and increase effectiveness. It also discusses common marketing mistakes and the limits of market research.

**Section: 63205**  
Location: Northwood High School  
Modality: Live, Face-to-Face Instruction  
Course Meets: Wednesdays, Fridays 8:30 AM-9:55 AM  
Enrollment Eligibility: Open to all IUSD students

### General Business Education

### ENTR 160 ENTREPRENEURSHIP: MANAGING YOUR BUSINESS

3 Units - 3 hours lecture  
Transfers: CSU  
Description: This course introduces key elements of entrepreneurship and small business development. It focuses on the phases and process of building a viable business plan and putting the plan to work. Topics of exploration include building a marketing plan and financial plan, conducting feasibility studies, the nature of competition and markets, and the global aspects of entrepreneurship. The course provides students with a foundation for understanding the role of small business within society. It also provides preparation for individuals seeking to engage in entrepreneurial ventures.

**Section: 62845**  
Location: Irvine High School  
Modality: Live, Online Instruction  
Home high school: Irvine (registration is open to all IUSD students)  
Course Meets: Tuesdays, Thursdays 4:15 PM – 5:05 PM

## College Readiness Pathway

Start your college journey right with an academic, career, and life success course that is fully transferable to the UCs and CSUs. If your math skills need a boost, you can get ready for college-level math before you get to college.

### COUN 6 ACADEMIC, CAREER AND LIFE SUCCESS

3 Units - 3 hours lecture

Transfers: CSU, UC

Description: A comprehensive course that integrates personal, professional, career and academic growth through the development and application of effective communication skills, positive self-image and self-esteem, self-advocacy and strategies for problem solving and decision making. Students examine individual morals, values, and motivation from psychological, social and physiological perspectives. Course covers goal setting, financial literacy, basic communication skills, diversity and balancing the challenges faced in today's society. Emphasis is on holistic student development.

**Section: 62655**

Location:	Woodbridge High School
Modality:	Live, Online Instruction
Course Meets:	Tuesdays, Thursdays 4:15 PM-5:30 PM
Enrollment Eligibility:	Open to all IUSD students

## 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](#).

## College Readiness Pathway

### MATH 253 INTERMEDIATE ALGEBRA

5 Units - 5 hours lecture

Prerequisite: Placement by current assessment process or successful completion of MATH 353 with a 'C' or better

Description: Recommended Preparation: Concurrent enrollment in TU 301 strongly recommended. This course is the continuation of elementary algebra and is intended to prepare students for subsequent math classes. It includes the study of the real number system, open sentences in one variable, polynomials, factoring, systems of linear equations, rational numbers, and functions. The course also covers irrational and complex numbers, quadratic equations and functions, exponential and logarithmic functions, and quadratic relations and systems.

**Section: 60130**

Location:	Northwood, Portola, Woodbridge
Modality:	Online
Course Meets:	Online
Supplemental Instruction:	Live, face-to-face, at high school sites
Prerequisite Information:	Placement by current assessment process or successful completion of MATH 353 with a 'C' or better
Enrollment Eligibility:	Registration for this section limited to students from Northwood, Portola and Woodbridge high schools.

**Section: 60280**

Location:	Creekside, Irvine, University, IVA
Modality:	Online
Course Meets:	Online
Supplemental Instruction:	Live, face-to-face, at high school sites
Prerequisite Information:	Placement by current assessment process or successful completion of MATH 353 with a 'C' or better
Enrollment Eligibility:	Registration for this section limited to students from Creekside, Irvine, University high schools and IVA.

## Technology Pathway

Hone your technology skills and business acumen in IVC's social media marketing class.

### CIM 117 SOCIAL MEDIA MARKETING

3 Units - 3 hours lecture

Transfers: CSU

Description: This course introduces social media tools used for marketing in business. Topics include uses, ethics, and guidelines for social networking, and online marketing channels. Students create a social media marketing campaign through the use of Web applications such as Facebook, LinkedIn, and Twitter. CIM 117 is also listed as ENTR 117; credit will be given in either area, not both.

**Section: 65875A**

Location:	Irvine High School
Modality:	Live, Face-to-Face Instruction
Course Meets:	Wednesdays, 4:15 PM-5:30 PM
Enrollment Eligibility:	Open to all IUSD students



## 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. C-ID: COMM 110.

**Section: 65930**

Location: Woodbridge High School  
Modality: Live, Face-to-Face Instruction  
Course Meets: Wednesdays, 4:15-7:00 PM  
Enrollment Eligibility: Open to all IUSD students

### ASL 22 BEGINNING AMERICAN SIGN LANGUAGE II

4 Units - 4 hours lecture

Transfers: CSU, UC

Prerequisite: ASL 21

Description: This course is designed to further develop the student's ability to understand and communicate in American Sign Language (ASL). The emphasis is on expanding ASL vocabulary and finger-spelling skills and on syntactical accuracy. This course discusses the appropriate use of sign language in various social contexts and examines cultural versus pathological perspectives on Deafness. ASL 22 is equivalent to three years of high school ASL. ASL 22 was formerly offered as SIGN 22

**Section: 65875A**

Location: Irvine High School  
Modality: Live, Face-to-Face Instruction  
Course Meets: Tuesdays, Thursdays 8:30-9:55 AM  
Enrollment Eligibility: Open to all IUSD students

## Languages & Communications Pathway

### JA 1 BEGINNING JAPANESE I

5 Units - 5 hours lecture

Transfers: CSU, UC

Description: 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.

**Section: 64755**

Location:	Woodbridge High School
Modality:	Live, Face-to-Face Instruction
Course Meets:	Tuesdays, Thursdays 4:15 PM-6:30 PM
Enrollment Eligibility:	Open to all IUSD students

# Registering for classes

is as **EASY** as 1, 2, 3....

1. **Apply** to IVC for Spring Semester 2022 [HERE](#) by **October 22**

You can skip this step if you took classes at IVC or Saddleback College in Fall 2021.

2. **Submit** your K12 Special Admission Request for IUSD CCAP Courses [HERE](#) by **October 29**

3. **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 **December 15.**



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:

**David Shenouda** [dshenouda@ivc.edu](mailto:dshenouda@ivc.edu)

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

<https://iusd.org/schoolcounselors>