



CUYAMACA COLLEGE



CUYAMACA  
· COLLEGE ·

# REVIEW OF CAREER EDUCATION PROGRAMS 2022-2023





## INTRODUCTION

In keeping with California Education Code 78016 which states that “Every vocational or occupational training program offered by a community college district shall be reviewed every two years by the governing board of the district.” Program reviews for this report have been conducted in the following career education programs at Cuyamaca College:



- Center for Water Studies
- Environmental Health and Safety Management
- Graphic Design
- Ornamental Horticulture
- Paralegal Studies
- Real Estate
- Surveying

# Definitions and Data Sources

## Term definitions and data sources used in compiling this report

### LABOR MARKET DEMAND

<http://www.labormarketinfo.edd.ca.gov/Content.asp?pagejd=1011>

### TOP CODE

The Taxonomy of Programs (TOP) is a system of numerical codes, used at the state level, to collect and report information on programs and courses, in different colleges throughout the state, which have similar outcomes.

### SOC CODE

The Standard Occupational Classification (SOC) system is developed and maintained by the Federal Bureau of Labor Statistics and is used to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data.

### NEW JOBS

New employment positions created by growth in the industry

### PERCENT

Percent of increase (decrease) in New Jobs over the 10-year period  
**REPLACEMENTS**  
Employment openings created by current employees retiring, relocating, etc.

### TOTAL JOBS

Sum of new jobs and replacements.

### STUDENT PROGRESS MEASURES

[https://misweb.cccco.edu/perkins/CoreIndicatorReports/Core\\_PerformanceTrendReport\\_College.aspx](https://misweb.cccco.edu/perkins/CoreIndicatorReports/Core_PerformanceTrendReport_College.aspx)

### COMPLETION

The number of CTE students who received an industry-recognized credential, a certificate, or a degree, or who completed a transfer program and were classified as transfer ready. (Perkins Core Indicator 2: Performance Goal = 80.93%)

**PERSISTENCE & TRANSFER** This measure is the number of CTE student who: 1) persisted in education at the community college level: or 2) transferred to a four year institution. The measure excludes Life- Long-Learners and those who left with a certificate or degree AND did not transfer. (Perkins Core Indicator 3: Performance Goal = 85.80%)

### EMPLOYMENT

This is the number of CTE students who did not transfer to a two or four year institution and was found during one of the four quarters following the cohort year in an apprenticeship program. Ul covered employment, the Federal Government, or the military. This number does not include self-employed or other types of employment not reported to the EDD (Perkins Core Indicator 4: Performance Goal = 74.74%)

# Center for Water Studies

Cuyamaca's innovative Center for Water Studies Program provides pre-employment training as well as advanced courses in water and wastewater technology for those wishing career advancement. We have added hands-on learning labs to many of our courses, and have added a 7th major in "Advanced Water Treatment" to provide training in the newest technology of converting wastewater into potable drinking water. Courses prepare students for certification examinations administered by the State of California as well as those administered by professional associations within the water and wastewater industry. Current instructors are experienced water and wastewater professionals, expert and up-to-date in best-of-breed industry practices. Classes are built around practical examples of real-world scenarios, demonstrations, and field trips whenever possible to maximize understanding of subject matter. Internships are available, too.

## Associate in Science Degrees

Backflow and Cross Connection Control  
Water Resources Management  
Water Treatment Plant Operator  
Water Distributions Systems Operations  
Wastewater Collection Systems  
A Wastewater Treatment Operator  
Advanced Water Treatment

## Certificates of Achievement

Advanced Water Treatment  
Backflow and Cross Connection Control  
Water Distributions Systems Operations  
Water Resources Management  
Water Treatment Plant Operations  
Wastewater Collection Systems  
Wastewater Treatment Operations

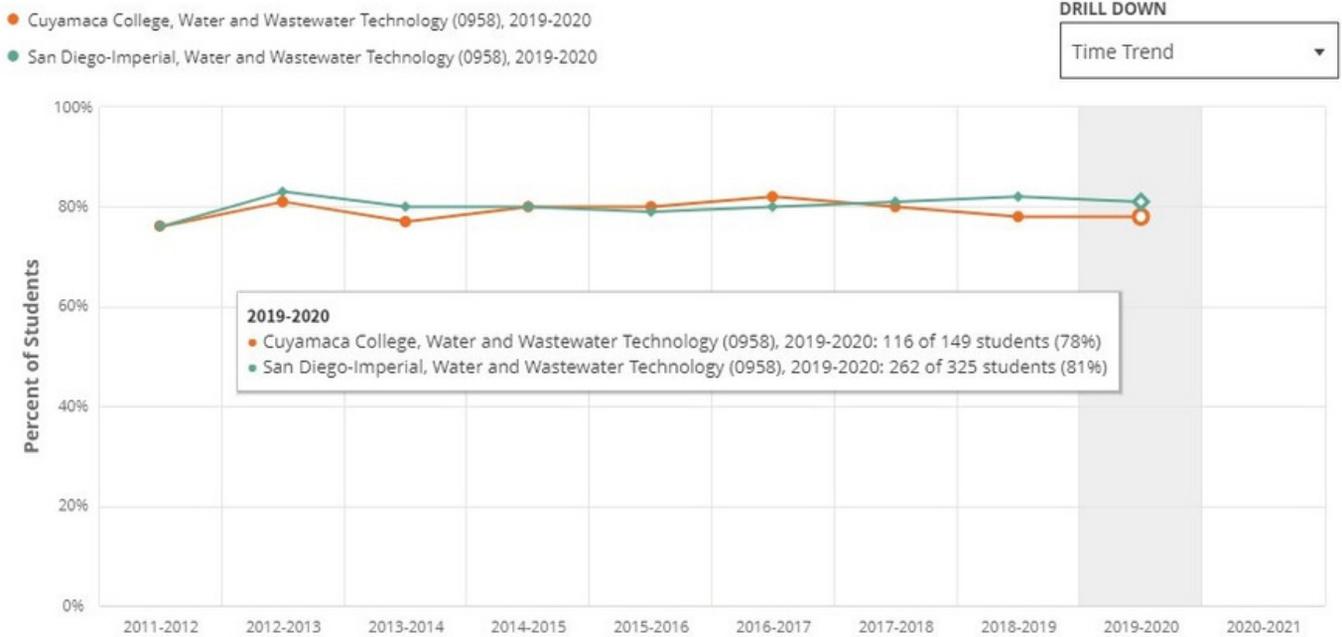
## Top Career Categories

Construction Laborer/Supervisor  
Cross Connection Control Specialist  
Equipment Technician Equipment Maintenance  
Operator Field  
Operations Supervisor  
Environmental Engineering Technician  
Environmental Science & Protection Technician  
GIS/Mapping Specialist Groundwater  
Management Specialist Inspector  
Instrumentation and Control Technician  
Instrumentation and Control Supervisor  
Irrigation Consultant Irrigation System  
Water Quality and Treatment Manager  
Treatment Plant Operators  
Water Systems Technician

LABOR MARKET DATA

### Employed in the Fourth Fiscal Quarter After Exit

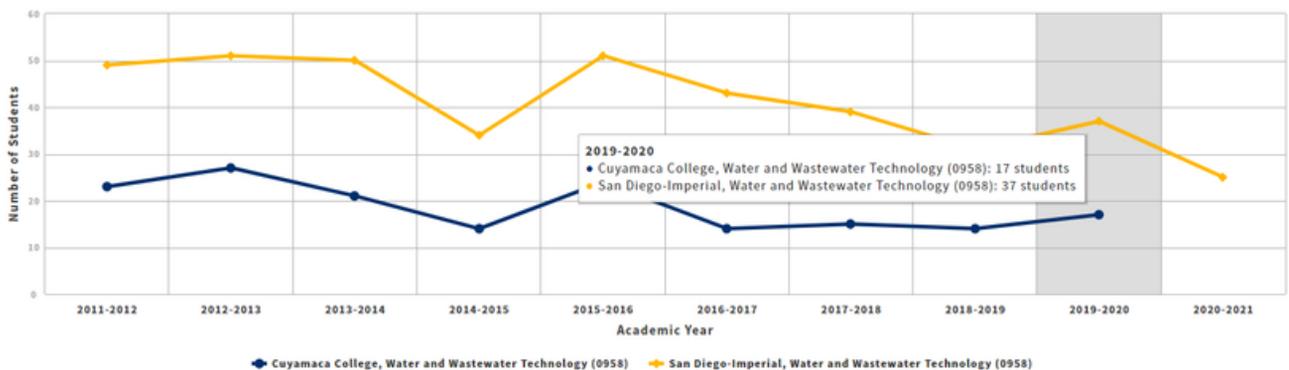
Among students who exited the community college system and did not transfer to any postsecondary institution, the proportion of students who were employed in the fourth fiscal quarter after exit



Source: Chancellor's Office Management Information System, Employment Development Department Unemployment Insurance Wage File

### SWP Students Who Earned a Degree or Certificate or Attained Apprenticeship Journey Status

Number of unduplicated SWP students who earned a noncredit certificate, Chancellor's Office approved certificate, associate degree, and/or CCC baccalaureate degree on a TOP code assigned to a vocational sector and who were enrolled in the district on any TOP code in the selected year or who attained apprenticeship journey status on a vocationally flagged TOP code in the selected year and who were enrolled at any community college at the start of the apprenticeship program on a vocationally flagged TOP code



Data are suppressed according to FERPA to protect students' personally identifiable information. Suppression takes place when too few students are included in the metric.

Source: Chancellor's Office Management Information System, Department of Apprenticeship Standards  
[Technical Definition](#)

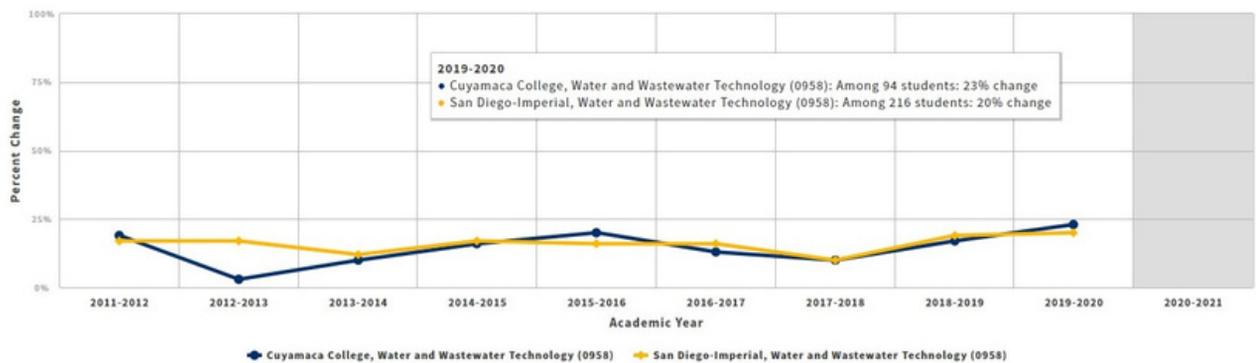
## EARNINGS

### Did Students Make a Living Wage?

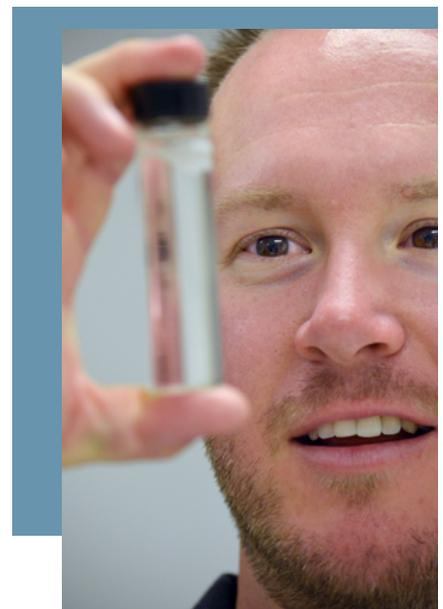


### Median Change in Earnings for SWP Exiting Students

Among SWP students who exited and who did not transfer to any postsecondary institution, median change in earnings between the second quarter prior to the beginning of the academic year of entry (for the first time ever as a non-Special Admit or return to any community college after an absence of one or more academic years) and the second quarter after the end of the academic year of exit from the last college attended



**Source:** Chancellor's Office Management Information System, Employment Development Department Unemployment Insurance Dataset, National Student Clearinghouse, CSU/UC Match



### Projected Regional Job Openings

Annual replacement jobs, average annual new jobs and average annual job openings for 2021-2026 time period in the top 5 occupations for annual openings associated with the selected industry sector or TOP code in the locale selected

● Cuyamaca College, Water and Wastewater Technology (095800), 2019-2020

Annual Projections for 2021-2026			
	Annual Replacement Jobs	Annual New Jobs	Annual Openings
<b>Regional Totals</b>	244	16	254
<b>Higher Skill: Bachelor's Degree Or Higher</b>			
Environmental Engineers (17-2081)	47	11	52
<b>Middle Skill: Associate Degree</b>			
Environmental Science and Protection Technicians, Including Health (19-4042)	92	0	94
Environmental Engineering Technicians (17-3025)	16	0	19
<b>Middle Skill: HS Diploma Or Equivalent</b>			
Water and Wastewater Treatment Plant and System Operators (51-8031)	89	5	90

### STUDENT PROGRESS MEASURES

Water & Wastewater (TOP CODE 0958)	COMPLETION		PRESISTENCE & TRANSFER		EMPLOYMENT	
	#	%	#	%	#	%
<b>2020-2021</b>						
<b>DISTRICT</b>	21	52.38	105	80	25	88
<b>STATE</b>	2,930	79.49	6,585	80.41	2,948	89.72

### RECOMMENDATIONS

Enrollment for the Center for Water Studies has been decreasing. To help grow enrollment we will be utilizing HyFlex instruction in most classes (four classes scheduled in Fall '23, more than half in Spring '24 and beyond). Hyflex should bring back the students who have preferred remote learning because of the pandemic. It will also cast a wider net to include students throughout California who need certain classes not offered through their community college water technology programs. We are increasing our current marketing efforts, specifically with veterans, high school graduates, and women. We are connecting with regional water agencies to advance our Bachelor's Degree in Water Studies effort, learn more what is needed from them and discuss supporting our Bachelors degree by offering employee incentives for it. We are establishing a campaign to encourage early and mid-career incumbents in the waterworks industry to return to our program to complete stackable certificates, Certificates of Achievement, and their AS degrees. The Center for Water Studies will be an early adopter in the Credit for Prior Learning efforts at Cuyamaca in order to provide opportunities for military and industry prospects to enter the program at advanced levels.

# Environmental Health & Safety Management

The Cuyamaca Environmental Health and Safety Management (EHSM) program prepares new and continuing students for both immediate professional opportunities as well as furthering their educational pursuits at the bachelor's level and higher. Focused on the occupational health and safety and the environmental health arenas, the program occupies a unique niche enhancing students' knowledge related to training, program development, regulatory compliance and program management; the Cuyamaca program is further differentiated by coupling the occupational and environmental fields, a distinguishing characteristic in light of current workforce needs.

## Associate in Science Degrees

Environmental Management  
Occupational Safety and Health Management

## Certificates of Achievement

Environmental Technician  
Occupational Safety and Health Technician  
Occupational Safety and Health Laboratory  
Safety Management

## Top Career Categories

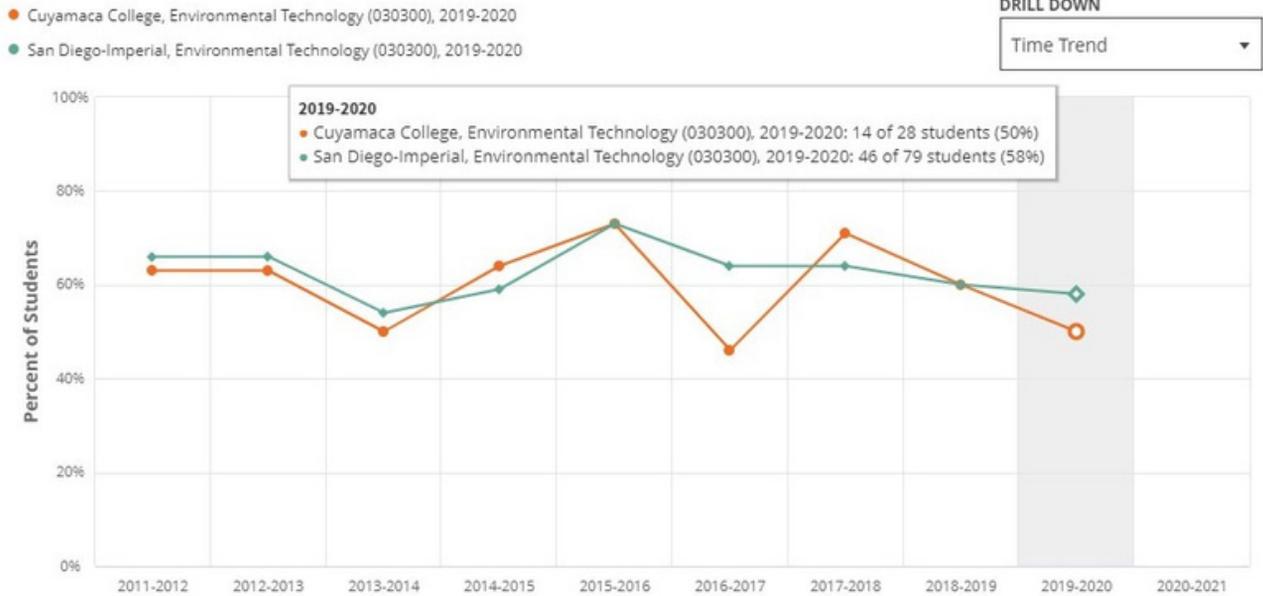
Environmental Hazardous Material Technician  
Environmental Health and Safety Specialist  
Environmental Manager  
Environmental Research - Test Technician  
Health and Safety Technician  
Industrial Hygiene Technician  
Technician Pollution Control Technician  
Recycling Coordinator Risk Manager  
Safety Manager/Officer  
Safety Specialist



## LABOR MARKET DATA

### Employed in the Fourth Fiscal Quarter After Exit

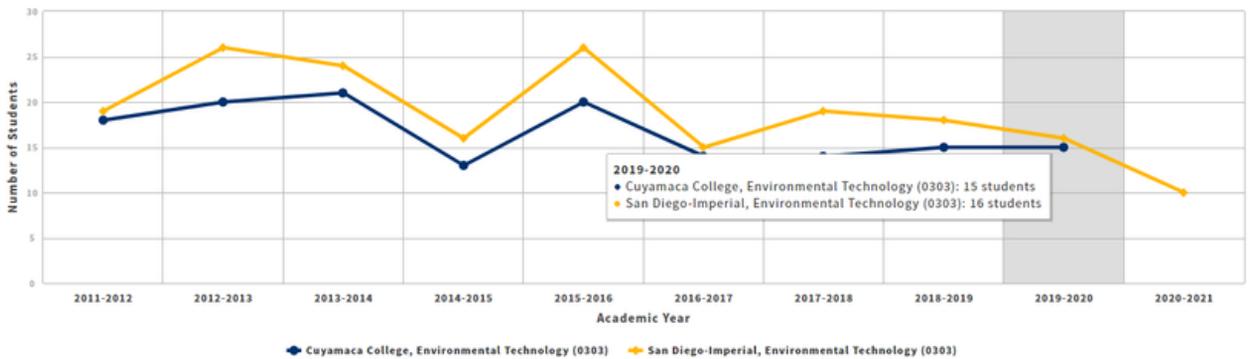
Among students who exited the community college system and did not transfer to any postsecondary institution, the proportion of students who were employed in the fourth fiscal quarter after exit



Source: Chancellor's Office Management Information System, Employment Development Department Unemployment Insurance Wage File

### SWP Students Who Earned a Degree or Certificate or Attained Apprenticeship Journey Status

Number of unduplicated SWP students who earned a noncredit certificate, Chancellor's Office approved certificate, associate degree, and/or CCC baccalaureate degree on a TOP code assigned to a vocational sector and who were enrolled in the district on any TOP code in the selected year or who attained apprenticeship journey status on a vocationally flagged TOP code in the selected year and who were enrolled at any community college at the start of the apprenticeship program on a vocationally flagged TOP code



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Source: Chancellor's Office Management Information System, Department of Apprenticeship Standards

[Technical Definition](#)

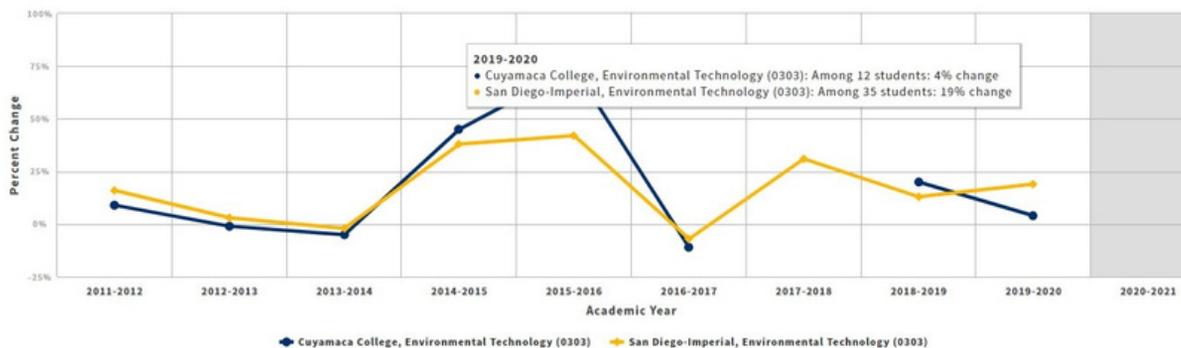
EARNINGS

Did Students Make a Living Wage?



Median Change in Earnings for SWP Exiting Students

Among SWP students who exited and who did not transfer to any postsecondary institution, median change in earnings between the second quarter prior to the beginning of the academic year of entry (for the first time ever as a non-Special Admit or return to any community college after an absence of one or more academic years) and the second quarter after the end of the academic year of exit from the last college attended



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Source: Chancellor's Office Management Information System, Employment Development Department Unemployment Insurance Dataset, National Student Clearinghouse, CSU/UC Match  
 Technical Definition



## Projected Regional Job Openings

Annual replacement jobs, average annual new jobs and average annual job openings for 2021-2026 time period in the top 5 occupations for annual openings associated with the selected industry sector or TOP code in the locale selected

● Cuyamaca College, Environmental Technology (030300), 2019-2020

Annual Projections for 2021-2026			
	Annual Replacement Jobs ⓘ	Annual New Jobs ⓘ	Annual Openings ⓘ
<b>Regional Totals</b>	182	49	194
<b>Middle Skill: Associate Degree</b>			
Environmental Science and Protection Technicians, Including Health (19-4042)	92	0	94
Environmental Engineering Technicians (17-3025)	16	0	19
<b>Middle Skill: HS Diploma Or Equivalent ⓘ</b>			
Hazardous Materials Removal Workers (47-4041)	74	49	81

Source: Lightcast (formerly Emsi) Labor Market data 2022.3, TOP-SOC Crosswalk

## STUDENT PROGRESS MEASURES

Environmental Health & Safety (TOP CODE 03030)	COMPLETION		PRESISTENCE & TRANSFER		EMPLOYMENT	
	#	%	#	%	#	%
<b>2020-2021</b>						
<b>DISTRICT</b>	26	80.77	51	70.59	24	83.33
<b>STATE</b>	727	91.06	1,232	81.57	543	75.87

### RECOMMENDATIONS

There continues to be a demand for EHS technicians in the environmental health and occupational safety, and health fields. However, despite that demand our enrollment in this program has decreased significantly. The vision of the department prioritizes increasing student enrollments by providing new curriculum to support regulatory changes and industry demand and reviewing the viability of existing degrees and certificates. The program successfully established a Certificate of Achievement in Occupational Safety and Health Laboratory Safety Management, and is currently developing a Certificate of Achievement in Stormwater Management. We also plan to involve industry more in setting up internships for student completion and will review our student centered scheduling to seek student input on preferred enrollment days and times as well as revising our course rotation to match student need and a clear pathway. The department is continually reviewing the curriculum for updates in content and delivery methods to meet the demands of the industry and the new generation of learners. Equity and accessibility are a priority within the department and instructors will be delivering content in high schools, online, virtually, and on campus.

Lastly the program has made another articulation agreement to an university, with many classes used in substitution of required courses, giving students an advantage to complete both the BS degree of Environmental Management and Occupational Safety and Health Management.

# Graphic Design

Graphic Design is about creativity, communication and craft to tell a story. It is a large, diverse and rewarding field of study with many professional pathways. If you are a creative thinker, have strong communication and problem-solving skills, this may be a profession for you.

Areas of study include print and web design, digital illustration, painting, photography and multimedia. This design discipline is for creative people who want to be financially successful while using their artistic and communicative skills. The design program at Cuyamaca College develops the skills you need to transition to all levels of professional work, or transfer to a college or university to pursue additional degrees.

## Associate in Science Degrees

Graphic Design

## Associate in Arts Degrees

Art and Design

## Certificates of Achievement

Graphic Design

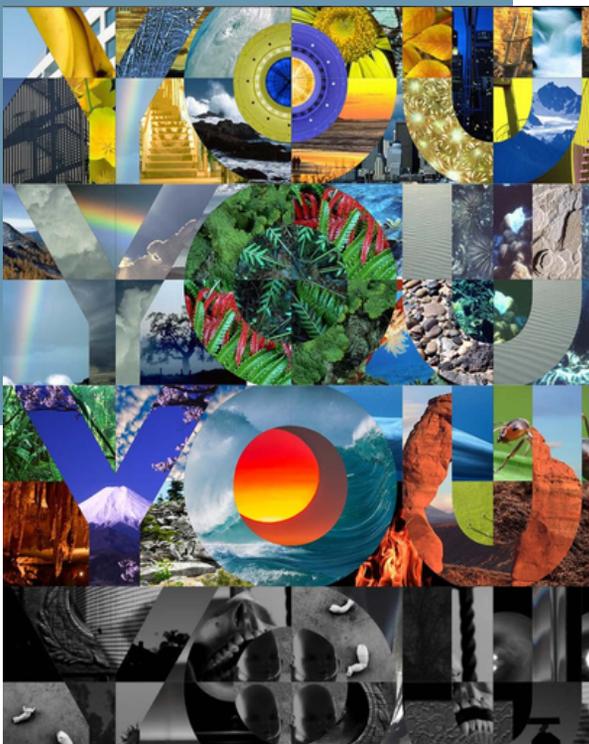
Digital Photography

## Certificate of Specialization

Web Graphics

## Top Career Categories

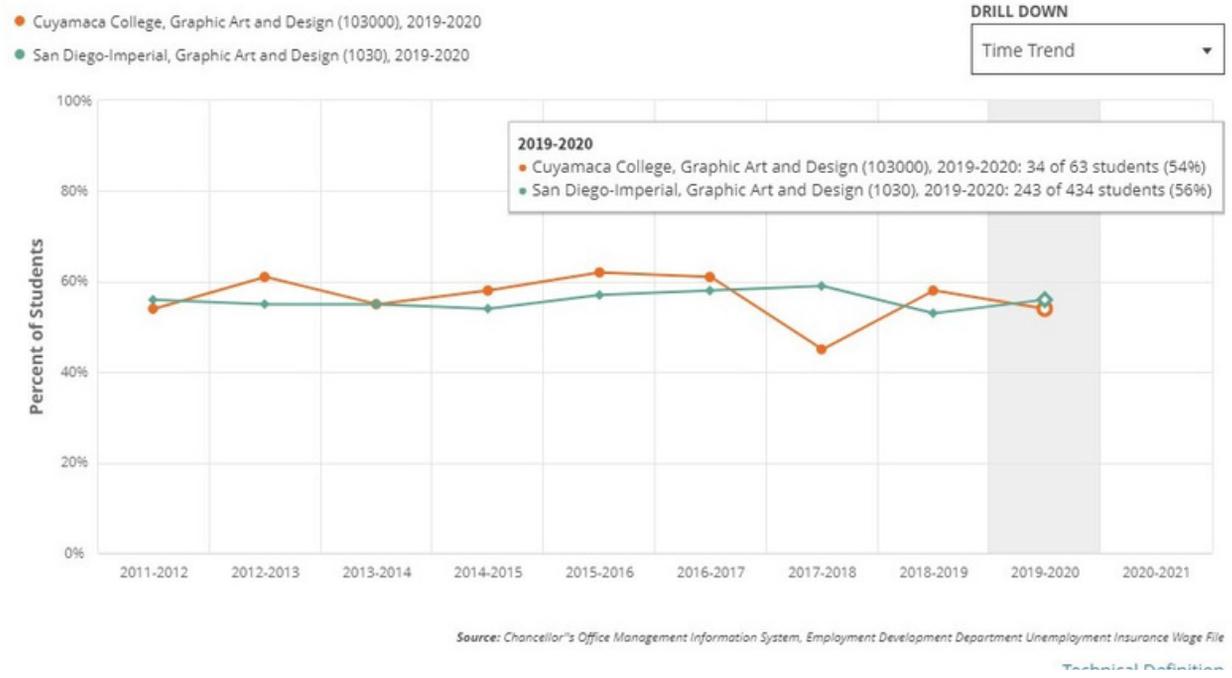
Art/Advertising Director  
Cartoonist  
Creative Director  
Customer Service Representative  
Desktop Publisher  
Display Designer  
Graphic Designer  
Digital or Technical Illustrator  
Marketing Director  
Multimedia Designer  
Office Administrator  
Package Designer  
Real Estate Marketing  
Assistant UX (User Experience) Designer  
Web Page Designer



LABOR MARKET DATA

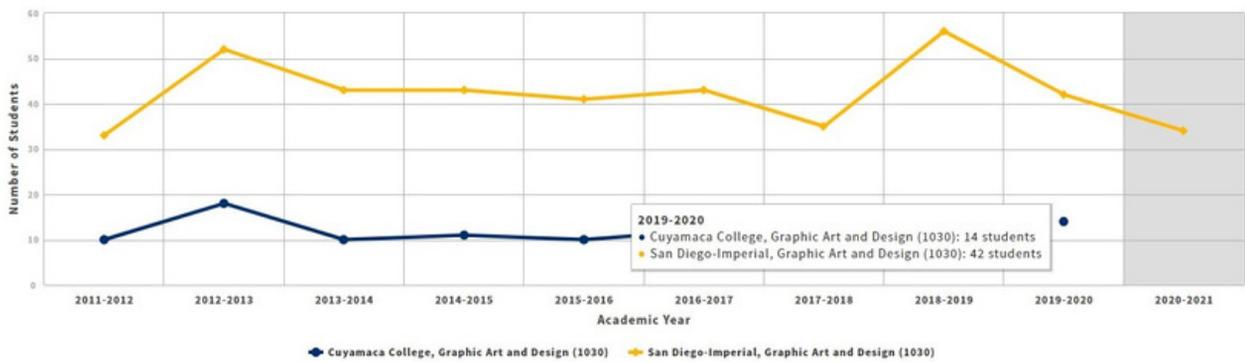
Employed in the Fourth Fiscal Quarter After Exit

Among students who exited the community college system and did not transfer to any postsecondary institution, the proportion of students who were employed in the fourth fiscal quarter after exit



SWP Students Who Earned a Degree or Certificate or Attained Apprenticeship Journey Status

Number of unduplicated SWP students who earned a noncredit certificate, Chancellor's Office approved certificate, associate degree, and/or CCC baccalaureate degree on a TOP code assigned to a vocational sector and who were enrolled in the district on any TOP code in the selected year or who attained apprenticeship journey status on a vocationally flagged TOP code in the selected year and who were enrolled at any community college at the start of the apprenticeship program on a vocationally flagged TOP code



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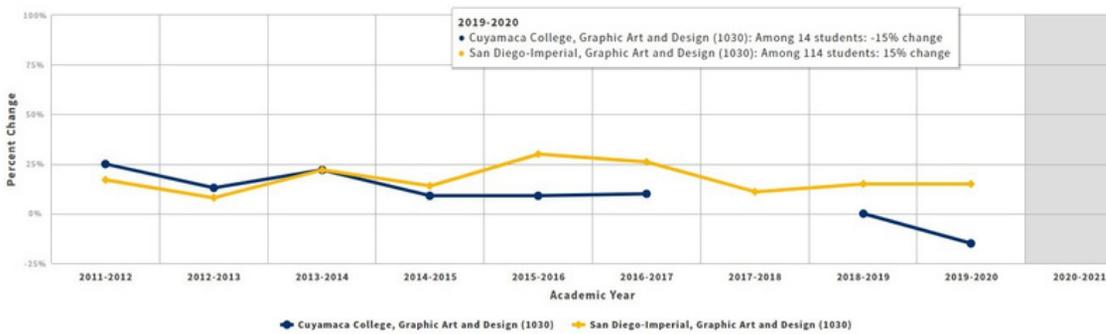
## EARNINGS

### Did Students Make a Living Wage?



### Median Change in Earnings for SWP Exiting Students

Among SWP students who exited and who did not transfer to any postsecondary institution, median change in earnings between the second quarter prior to the beginning of the academic year of entry (for the first time ever as a non-Special Admit or return to any community college after an absence of one or more academic years) and the second quarter after the end of the academic year of exit from the last college attended



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Source: Chancellor's Office Management Information System, Employment Development Department Unemployment Insurance Dataset, National Student Clearinghouse, CSU/UC Match

Technical Definition



## Projected Regional Job Openings

Annual replacement jobs, average annual new jobs and average annual job openings for 2021-2026 time period in the top 5 occupations for annual openings associated with the selected industry sector or TOP code in the locale selected

• San Diego/Imperial Counties, Graphic Art and Design (103000), 2019-2020

Annual Projections for 2021-2026			
	Annual Replacement Jobs ⓘ	Annual New Jobs ⓘ	Annual Openings ⓘ
<b>Regional Totals</b>	809	824	841
<b>Higher Skill: Bachelor's Degree Or Higher</b>			
Graphic Designers (27-1024)	431	228	443
Art Directors (27-1011)	265	597	285
Multimedia Artists and Animators (27-1014)	113	0	113

## STUDENT PROGRESS MEASURES

Graphic Design (TOP CODE 10300)	COMPLETION		PRESISTENCE & TRANSFER		EMPLOYMENT	
	#	%	#	%	#	%
<b>2020-2021</b>						
<b>DISTRICT</b>	26	96.15	52	78.57	12	41.67
<b>STATE</b>	10,050	91.22	57,143	88.08	18,636	65.63

## RECOMMENDATIONS

The Graphic Design program at Cuyamaca College has been flat on enrollment since the return from Covid, and there is concern in several areas. Students are not earning degrees compared to the regional comparison which is a by product of low enrollment and unavailable classes. The second area of concern is the percentage of students earning a living wage. Although graphic design is a heavy entrepreneurial program with students becoming freelancers, the economy and after effects of Covid are not favorable to these types of students.

We plan on introducing new curriculum in the User Interface (UX) skill area which is a high demand skill set for the technology industry. We will also review all of our curriculum and work with our industry advisory board to ensure our coursework is relevant to industry hiring needs and establish career pathways with students from our program into industry through internships and partnerships.

We have participated heavily in outreach events both at the high school and community level and hope to see that rewarded with increased enrollment as well. We articulate courses with the high schools that have programs and will be exploring dual enrollment as well.

# Ornamental Horticulture

The program at Cuyamaca College is an industry leader in providing for entry- level skills and upgrading existing skills for people interested in careers in urban forestry and tree care, greenhouse management, landscape design and construction, grounds management, retail nursery operations, irrigation systems design, sustainable urban landscapes, landscape water management, golf and sports turf management, and other related fields. Once you settle into your career, opportunities for advancement abound as more and more businesses and government agencies are looking for personnel trained in the latest water conservation technologies.

## Associate in Science Degrees

Arboriculture Associate in Science, Floral Design

Golf Course and Sports Turf Management

Landscape Design

Landscape Technology

Irrigation Technology

Nursery Technology

Sustainable Urban Landscapes

## Certificates of Achievement

Arboriculture

Floral Design

Sports Turf Management

Irrigation Technology

Landscape Architecture

Landscape Technology

Nursery Technology

Sustainable Urban Landscapes

Basic Ornamental Horticulture

## Top Career Categories

Floral Designer

Flower Shop Manager

Landscape Designer

Landscape Construction

Landscape Maintenance

Nursery/Garden Center Manager

Sports Field Manager

Grounds Maintenance Supervisor

Golf Course Superintendent

Irrigation Consultant

Turf Manager

Urban Forester

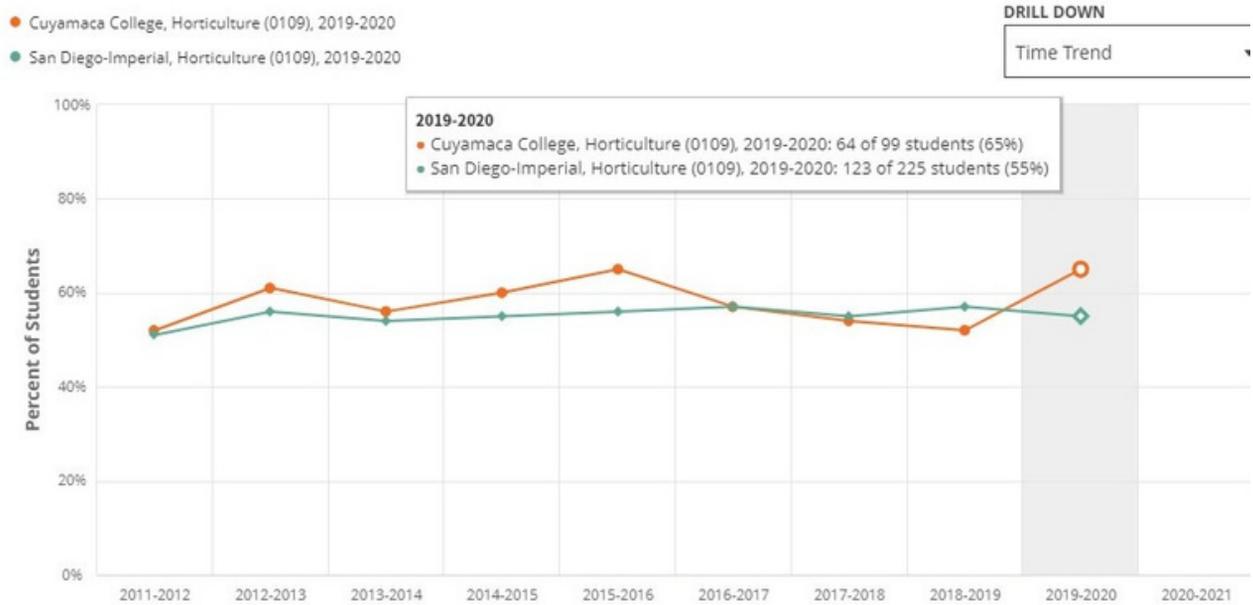
Plant Propagation and Production



## LABOR MARKET DATA

### Employed in the Fourth Fiscal Quarter After Exit

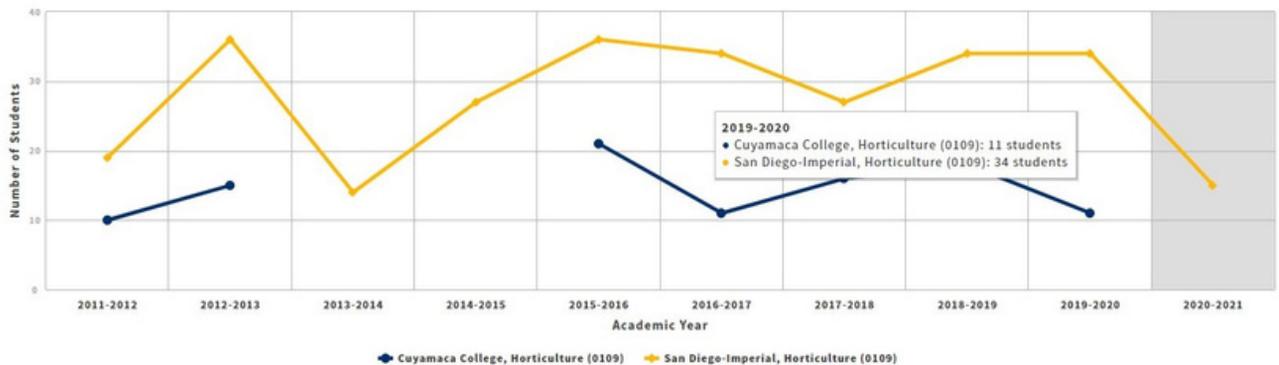
Among students who exited the community college system and did not transfer to any postsecondary institution, the proportion of students who were employed in the fourth fiscal quarter after exit



Source: Chancellor's Office Management Information System, Employment Development Department Unemployment Insurance Wage

### SWP Students Who Earned a Degree or Certificate or Attained Apprenticeship Journey Status

Number of unduplicated SWP students who earned a noncredit certificate, Chancellor's Office approved certificate, associate degree, and/or CCC baccalaureate degree on a TOP code assigned to a vocational sector and who were enrolled in the district on any TOP code in the selected year or who attained apprenticeship journey status on a vocationally flagged TOP code in the selected year and who were enrolled at any community college at the start of the apprenticeship program on a vocationally flagged TOP code

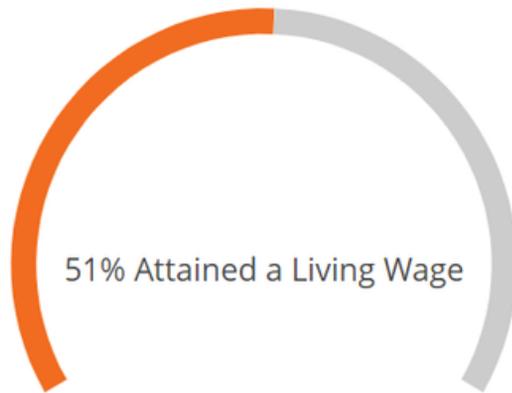


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 Technical Definition

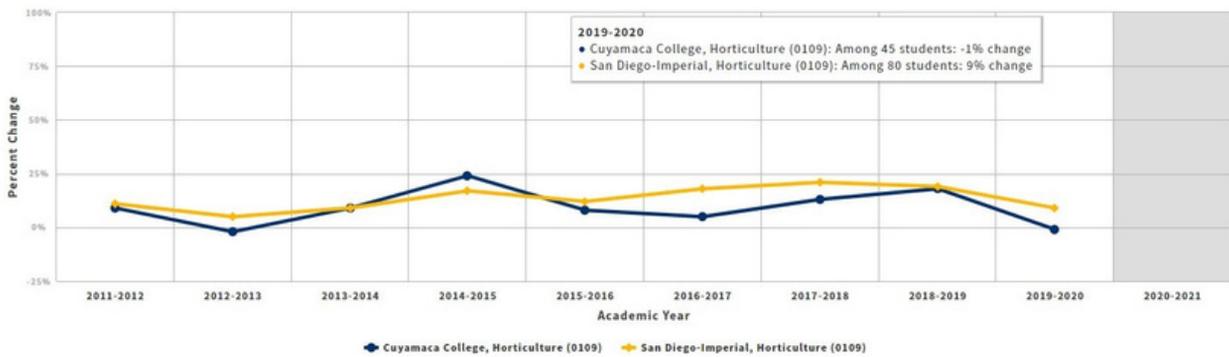
## EARNINGS

### Did Students Make a Living Wage?

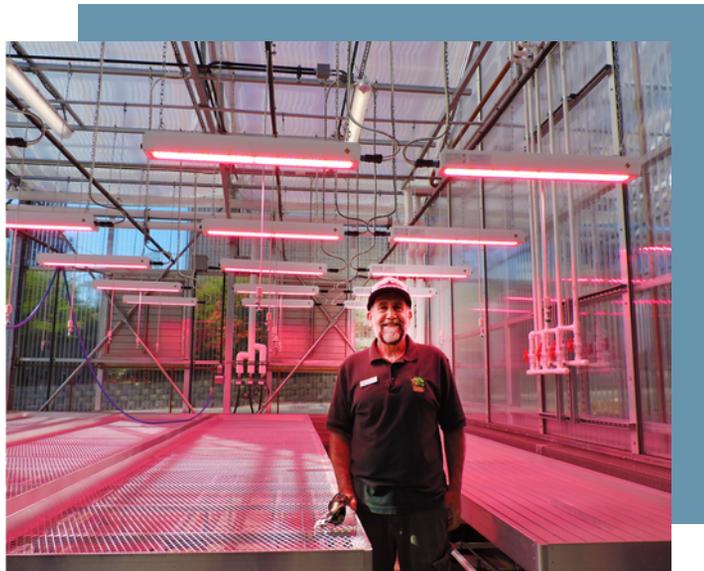


### Median Change in Earnings for SWP Exiting Students

Among SWP students who exited and who did not transfer to any postsecondary institution, median change in earnings between the second quarter prior to the beginning of the academic year of entry (for the first time ever as a non-Special Admit or return to any community college after an absence of one or more academic years) and the second quarter after the end of the academic year of exit from the last college attended



Source: Chancellor's Office Management Information System, Employment Development Department Unemployment Insurance Dataset, National Student Clearinghouse, CSU/UC Match  
 Technical Definition



### Projected Regional Job Openings

Annual replacement jobs, average annual new jobs and average annual job openings for 2021-2026 time period in the top 5 occupations for annual openings associated with the selected industry sector or TOP code in the locale selected

● Cuyamaca College, Horticulture (0109), 2019-2020

Annual Projections for 2021-2026			
	Annual Replacement Jobs	Annual New Jobs	Annual Openings
<b>Regional Totals</b>	3,268	711	3,304
<b>Middle Skill: HS Diploma Or Equivalent</b>			
Farmers, Ranchers, and Other Agricultural Managers (11-9013)	578	82	585
First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers (37-1012)	205	180	206
Tree Trimmers and Pruners (37-3013)	164	263	165
First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011)	114	67	115
<b>Below Middle Skill: On-The-Job Training</b>			
Landscaping and Groundskeeping Workers (37-3011)	2,084	1	2,107

### STUDENT PROGRESS MEASURES

Graphic Design (TOP CODE 10300)	COMPLETION		PRESISTENCE & TRANSFER		EMPLOYMENT	
	#	%	#	%	#	%
<b>2020-2021</b>						
<b>DISTRICT</b>	31	81.08	77	77.92	25	64.29
<b>STATE</b>	4,180	83.17	49,203	88.26	13,386	76.21

### RECOMMENDATIONS

Labor market demand for horticulture employees is strong, however our enrollment has been decreasing. This has resulted in an internal assessment of our program and curriculum. We have worked with our industry advisory board to look at how our courses meet industry needs and how to market our course offering to potential students. We are also assessing the viability and applicability of our certificate programs based on enrollment trend data. Providing a pathway to industry with pertinent curriculum and course rotation will build enrollment.

Although enrollment increased from Spring 2022 to Spring 2023, the average demographic of our programs shows hobbyists and non-degree seekers comprise a large part of our student population, and the success of our programs will be dependent upon new degree and certificate seekers. We are marketing heavily through social media, program video highlights and outreach opportunities. This is the first year since Covid that we have returned to our annual plant sale in conjunction with the Water Conservation Garden and a feeling of normalcy is returning. We will be expanding our outreach to high schools and working on ensuring our programs articulate with 4 year university programs.

# Paralegal

The legal profession has evolved, like the medical profession, into a profession of specialties. Based on this recent development, lawyers need qualified assistants with specialized training to better help them provide legal services to their clients. Paralegals are trained, professional technicians able to provide this needed legal assistance.

This degree program is specifically designed to prepare and provide students with the analytical skills and written abilities necessary to assist attorneys in the practice of law. The technical curriculum goals and objectives emphasize three primary areas:

- Legal Research, Analysis, and Writing
- Ethics and the Mechanics of Law
- Cooperative Work Experience

The successful paralegal degree candidate will possess a broad educational background with an opportunity to gain specialized skills in specific areas of law. The large curriculum offering also allows practicing paralegals to attend college refresher or new skills development courses. This program does not prepare students for law school or the practice of law.

## Associate in Science Degrees

Paralegal Studies



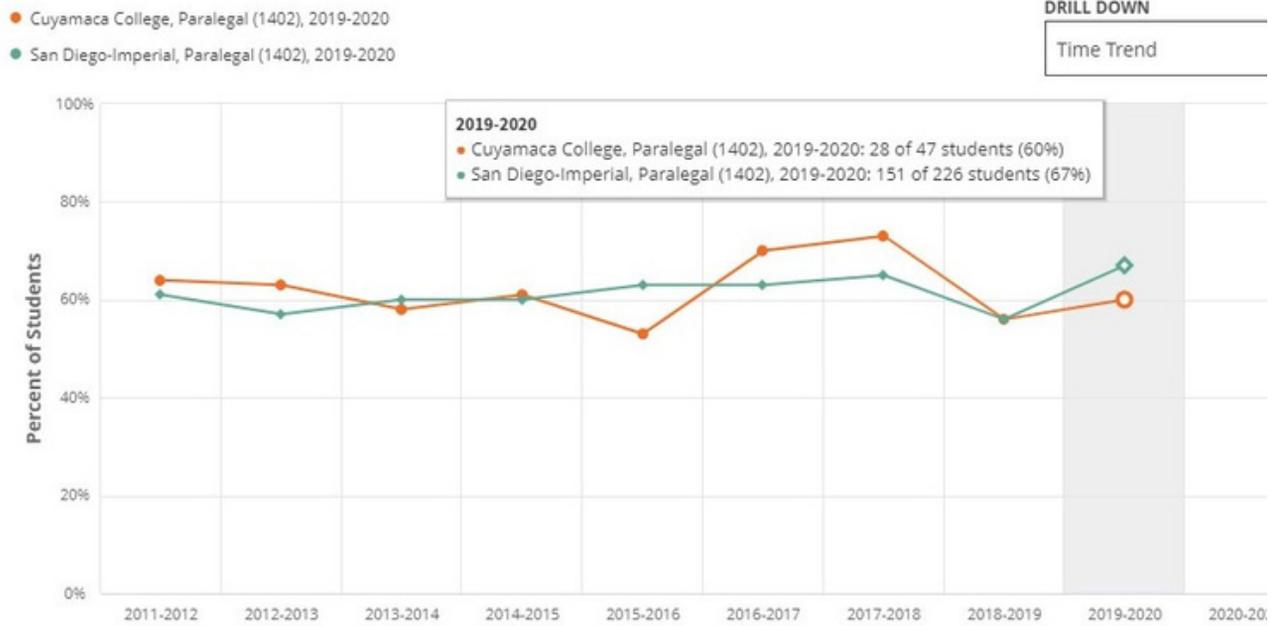
## Top Career Categories

Claim Examiner  
Compensation and Benefits Manager  
Compliance and Enforcement Inspector  
Contract Consultant  
Forms and Procedures Specialist  
Freelance Paralegal  
Law Clerk Legal Aide Legal Assistant  
Legal Research Assistant Legal Technician  
Occupational Safety and Health Worker  
Paralegal Patent Agent Title Examiner

LABOR MARKET DATA

### Employed in the Fourth Fiscal Quarter After Exit

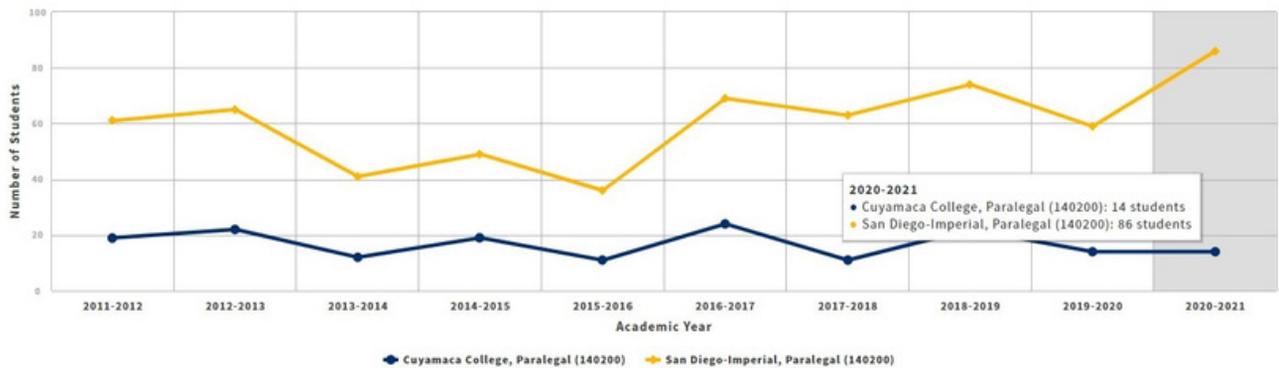
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Source: Chancellor's Office Management Information System, Employment Development Department Unemployment Insurance

### SWP Students Who Earned a Degree or Certificate or Attained Apprenticeship Journey Status

Number of unduplicated SWP students who earned a noncredit certificate, Chancellor's Office approved certificate, associate degree, and/or CCC baccalaureate degree on a TOP code assigned to a vocational sector and who were enrolled in the district on any TOP code in the selected year or who attained apprenticeship journey status on a vocationally flagged TOP code in the selected year and who were enrolled at any community college at the start of the apprenticeship program on a vocationally flagged TOP code



Source: Chancellor's Office Management Information System, Department of Apprenticeship Standards  
 Technical Definition

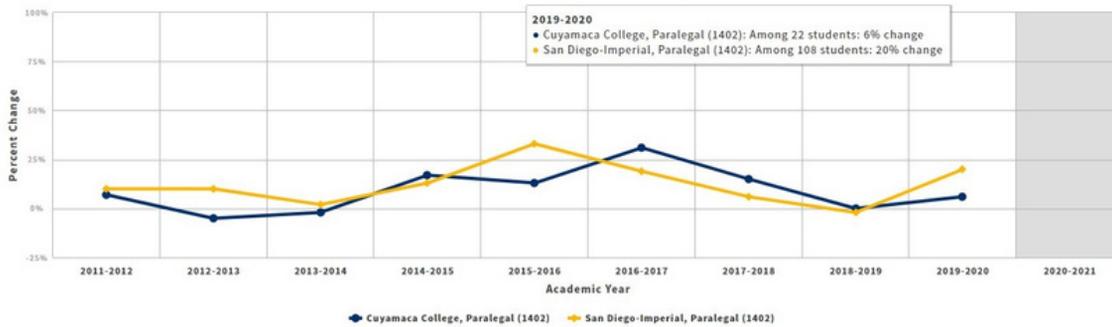
**EARNINGS**

**Did Students Make a Living Wage?**



**Median Change in Earnings for SWP Exiting Students**

Among SWP students who exited and who did not transfer to any postsecondary institution, median change in earnings between the second quarter prior to the beginning of the academic year of entry (for the first time ever as a non-Special Admit or return to any community college after an absence of one or more academic years) and the second quarter after the end of the academic year of exit from the last college attended



Source: Chancellor's Office Management Information System, Employment Development Department Unemployment Insurance Dataset, National Student Clearinghouse, CSU/UC Match  
 Technical Definition



## Projected Regional Job Openings

Annual replacement jobs, average annual new jobs and average annual job openings for 2021-2026 time period in the top 5 occupations for annual openings associated with the selected industry sector or TOP code in the locale selected

- Cuyamaca College, Paralegal (1402), 2019-2020

Annual Projections for 2021-2026			
	Annual Replacement Jobs	Annual New Jobs	Annual Openings
<b>Regional Totals</b>	946	770	1,004
<b>Middle Skill: Associate Degree</b>			
Paralegals and Legal Assistants (23-2011)	387	525	440
Legal Support Workers, All Other (23-2099)	121	40	124
<b>Middle Skill: HS Diploma Or Equivalent</b>			
Legal Secretaries (43-6012)	379	206	379
Title Examiners, Abstractors, and Searchers (23-2093)	59	0	61

Source: Lightcast (formerly Emsi) Labor Market data 2022.3, TOP-SOC Crosswalk

## STUDENT PROGRESS MEASURES

PARALEGAL (TOP CODE 01402)	COMPLETION		PRESISTENCE & TRANSFER		EMPLOYMENT	
	#	%	#	%	#	%
<b>2020-2021</b>						
<b>DISTRICT</b>	24	91.67	46	60.71	41	78.57
<b>STATE</b>	13,208	91.48	29,694	86.47	9,268	74.57

## RECOMMENDATIONS

Enrollment has been decreasing in recent semesters despite the increasing employer demand. In response to that, Paralegal Studies created a recruitment video with Career Services which launched in May 2022 and have continuously participated in student recruitment events on campus. We have begun a social media campaign on Facebook and Instagram in Spring 2023 and plan to increase activity there and add a presence on Tiktok. We also plan to increase engagement with local high schools: Valhalla, Steele Canyon, Monte Vista, and Helix. Our degree and certificate rate is well below the regional average, so we will be evaluating our course rotation and scheduling efforts to ensure students have a clear path to completion.

We plan to hold informational and recruitment events at the San Diego County Bar and Foothills Bar Associations to spread information about the value of Paralegals to law firms and encourage employees at firms who are ready for advancement to enroll in the program. This will have a twofold benefit as it will increase prospective student enrollment and increase opportunities for students in the program with internships and potential employment upon graduation. We plan to continue and expand our presence at the SDPA to capture individuals who may be interested in becoming a Paralegal.

# Real Estate

The Real Estate Program at Cuyamaca College offers courses designed to help students prepare for work in myriad real estate fields and can lead to either an Associate Degree or Certificate in Real Estate. Courses in this program will also fill the educational requirements for the California Real Estate Salesperson and Broker's Licenses and will help prepare both the salesperson and the broker for the state examination.

Real estate courses at Cuyamaca College are approved for pre-licensing education for students planning to enter real estate sales, brokerage, appraisal, lending, and property management fields. In addition, real estate education is a foundation for most businesses and industries, as most businesses own or lease real estate for their operations.

## Associate in Science Degrees

Real Estate

## Certificates of Achievement

Real Estate

Broker's License

## Top Career Categories

Agent

Appraiser

Economist

Escrow officer

Investor

Mortgage broker

Property manager

Salesperson

Title officer

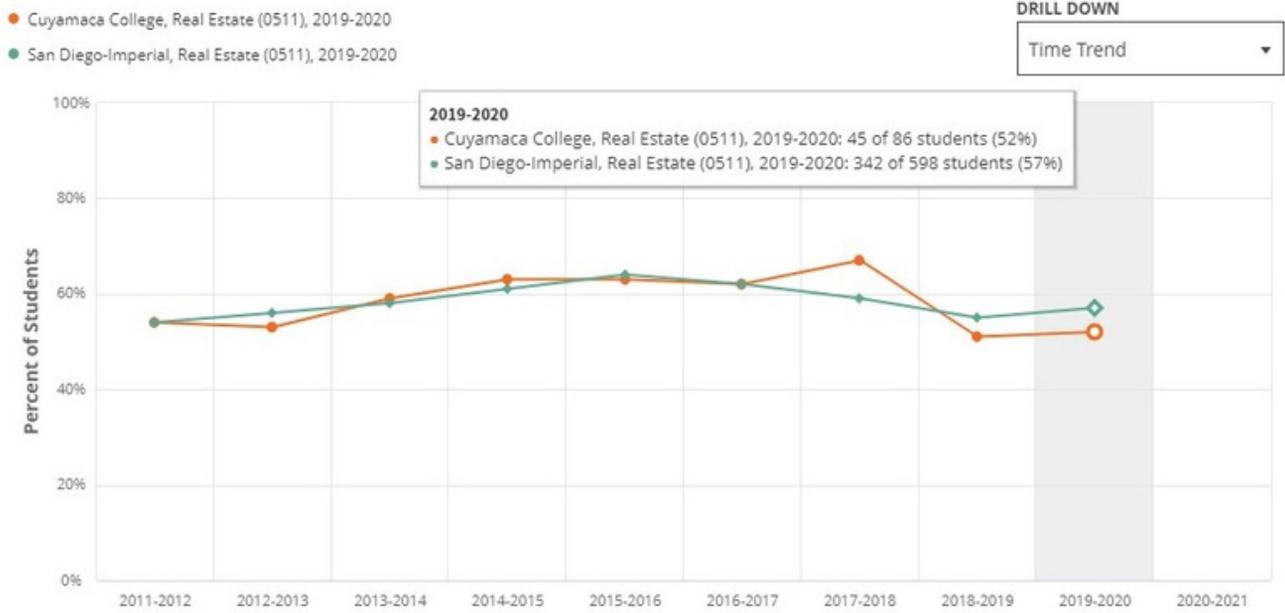
Builder/Developer



LABOR MARKET DATA

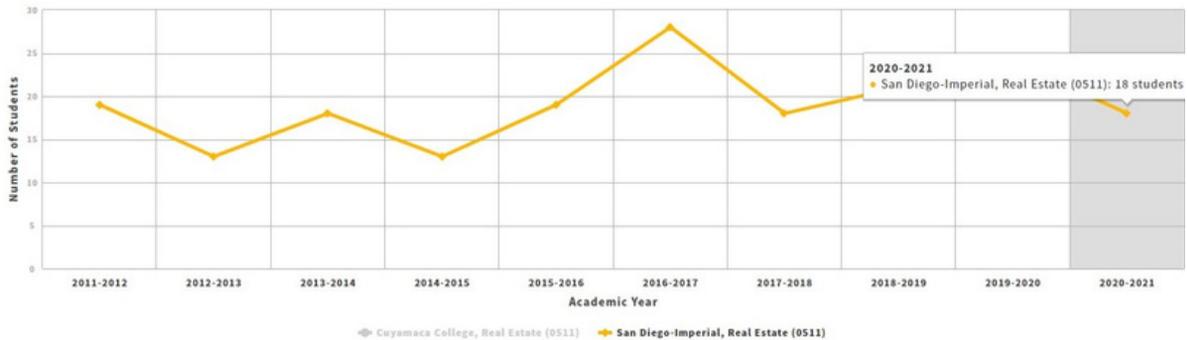
### Employed in the Fourth Fiscal Quarter After Exit

Among students who exited the community college system and did not transfer to any postsecondary institution, the proportion of students who were employed in the fourth fiscal quarter after exit



### SWP Students Who Earned a Degree or Certificate or Attained Apprenticeship Journey Status

Number of unduplicated SWP students who earned a noncredit certificate, Chancellor's Office approved certificate, associate degree, and/or CCC baccalaureate degree on a TOP code assigned to a vocational sector and who were enrolled in the district on any TOP code in the selected year or who attained apprenticeship journey status on a vocationally flagged TOP code in the selected year and who were enrolled at any community college at the start of the apprenticeship program on a vocationally flagged TOP code

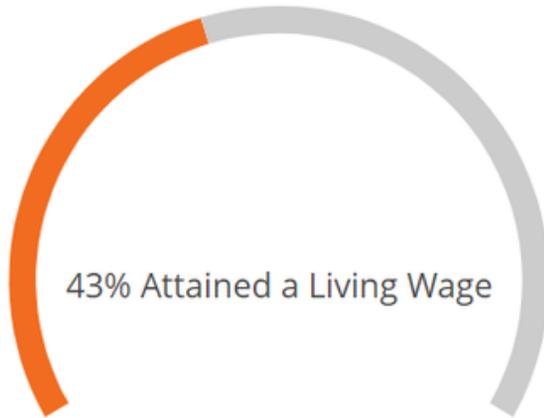


Data are suppressed according to FERPA to protect students' personally identifiable information. Suppression takes place when too few students are included in the metric.

Source: Chancellor's Office Management Information System, Department of Apprenticeship Standards  
 Technical Definition

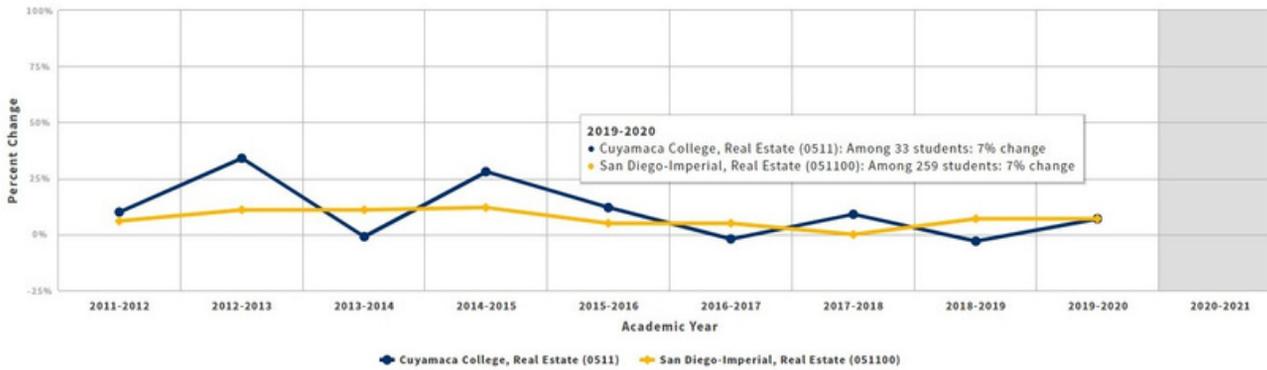
EARNINGS

Did Students Make a Living Wage?



Median Change in Earnings for SWP Exiting Students

Among SWP students who exited and who did not transfer to any postsecondary institution, median change in earnings between the second quarter prior to the beginning of the academic year of entry (for the first time ever as a non-Special Admit or return to any community college after an absence of one or more academic years) and the second quarter after the end of the academic year of exit from the last college attended



Source: Chancellor's Office Management Information System, Employment Development Department Unemployment Insurance Dataset, National Student Clearinghouse, CSU/UC Match

Technical Definition



## Projected Regional Job Openings

Annual replacement jobs, average annual new jobs and average annual job openings for 2021-2026 time period in the top 5 occupations for annual openings associated with the selected industry sector or TOP code in the locale selected

● Cuyamaca College, Real Estate (0511), 2019-2020

Annual Projections for 2021-2026			
	Annual Replacement Jobs	Annual New Jobs	Annual Openings
	?	?	?
<b>Regional Totals</b>	6,602	4,463	6,785
<b>Higher Skill: Bachelor's Degree Or Higher</b>			
Loan Officers (13-2072)	303	705	304
<b>Middle Skill: HS Diploma Or Equivalent</b>			
Real Estate Sales Agents (41-9022)	3,371	0	3,415
Property, Real Estate, and Community Association Managers (11-9141)	1,688	3,641	1,795
Real Estate Brokers (41-9021)	1,131	117	1,160
Title Examiners, Abstractors, and Searchers (23-2093)	59	0	61

## STUDENT PROGRESS MEASURES

REAL ESTATE (TOP CODE 0511)	COMPLETION		PRESISTENCE & TRANSFER		EMPLOYMENT	
	#	%	#	%	#	%
<b>2020-2021</b>						
<b>DISTRICT</b>	11	90.91	22	90.71	8	75
<b>STATE</b>	11,428	81.17	26,050	78.92	9,063	65.70

## RECOMMENDATIONS

The Real Estate program will serve an important need in the near future as the real estate workforce responds to increasing interest rates and potentially the end of the protection period of CARES Act Mortgage Forbearance likely leading to more sales as people may choose to transition into new housing. Home prices are already recovering from a small decrease, given the rising interest rates, but the market is steadily seeing homes for sale and is moving closer to a level that can be sustained than the rush that occurred in 2021-2022.

The Real Estate Program has 18 degree or certificate earners in 202. The eventual goal for students is to get their real estate license, but we want to work with our industry advisory board to tout the benefits of degree completion as well as license certification. We want to ensure that degree completion is available as quickly as possible through course rotation and scheduling for student needs. The Real Estate program is planning to explore the new requirements for an Appraiser's license and create a one-stop-shop of information for our students so they can easily explore the path for RE Broker, RE Salesperson, and Appraiser. We also have planned a targeted survey to better track how our students choose to enter and thrive in this career path.

# Surveying

Cuyamaca College's Surveying program is designed to equip students with a specialized skill set for immediate employment, upgrade skills for professional advancement, or continue their education by pursuing a BS degree in technology at a four-year institution.

Our program has one of the most active industry partnerships, resulting in a state-of-the-art curriculum and career availabilities. Students who complete the Surveying program will develop foundational skills in drafting skills and be prepared to be successful in their careers from day one. Graduates should qualify for jobs as party chief, instrument person, surveying technician, highway surveyor, mapper, GPS technician, and CADD operator. Graduates will be prepared to pursue the requirements necessary to become a Registered Land Surveyor in California.

## Associate in Science Degrees

Surveying

## Certificates of Achievement

Surveying

## Top Career Categories

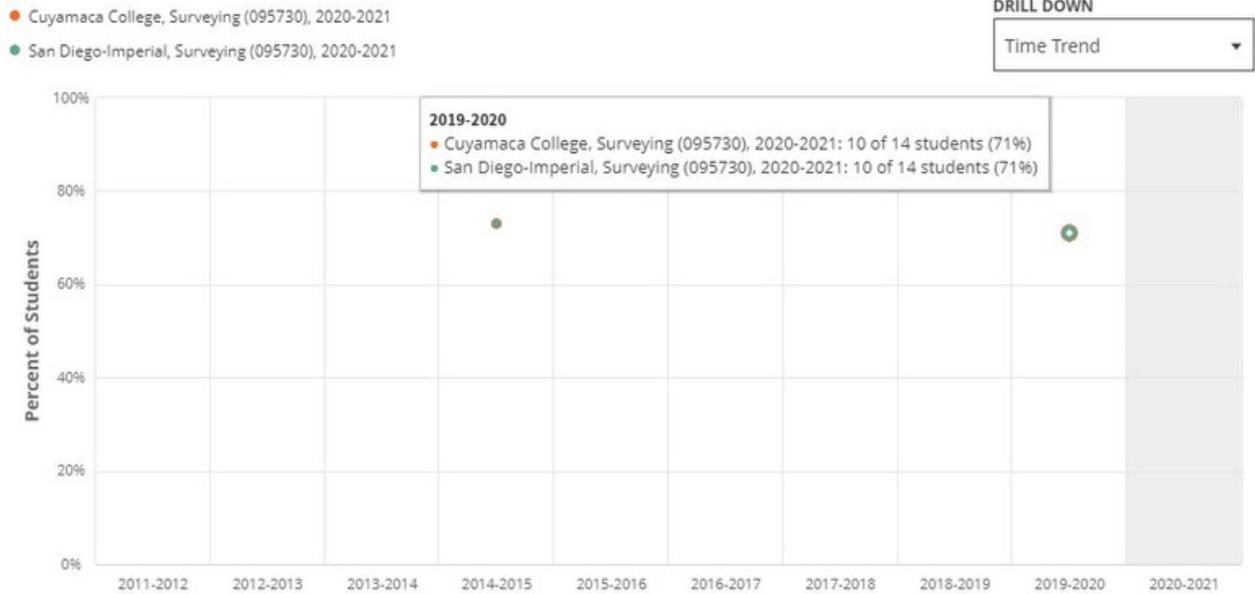
- Architectural CADD Technician
- CADD Technician for Civil Engineering
- CADD Technician in Electronics
- Mechanical CADD Technician
- CADD Technician for Structural Engineering
- Surveying CADD Technician
- Aeronautical drafters
- Pipeline drafters



**LABOR MARKET DATA**

**Employed in the Fourth Fiscal Quarter After Exit**

Among students who exited the community college system and did not transfer to any postsecondary institution, the proportion of students who were employed in the fourth fiscal quarter after exit



Source: Chancellor's Office Management Information System, Employment Development Department Unemployment Insurance Wage File

**SWP STUDENTS WHO EARNED A DEGREE OR CERTIFICATE OR ATTAINED APPRENTICESHIP JOURNEY STATUS**

No data

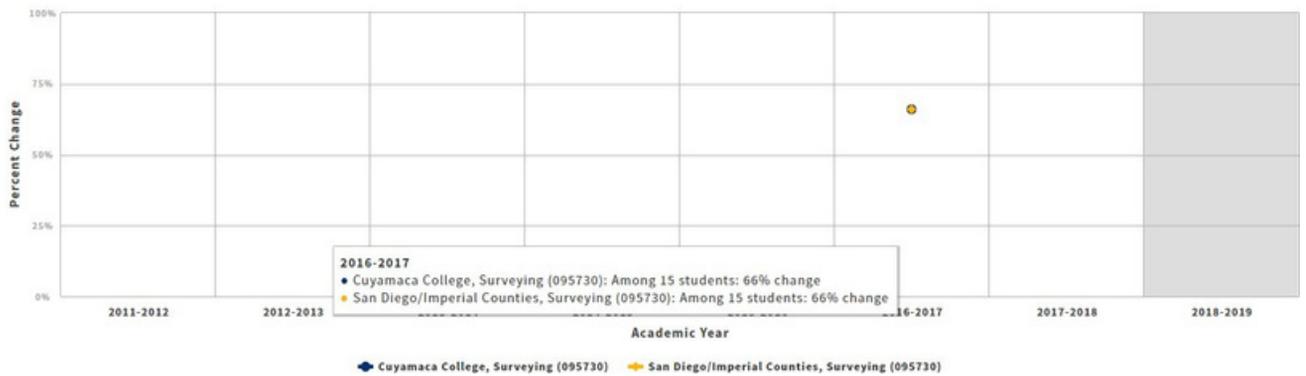
**EARNINGS**

**Did Students Make a Living Wage?**



**Median Change in Earnings for SWP Exiting Students**

Among Strong Workforce Program students who exited and who did not transfer to any postsecondary institution, median change in earnings between the second quarter prior to the beginning of the academic year of entry (for the first time ever as a non-Special Admit or return to any community college after an absence of one or more academic years) and the second quarter after the end of the academic year of exit from the last college attended



## Projected Regional Job Openings

Annual replacement jobs, average annual new jobs and average annual job openings for 2021-2026 time period in the top 5 occupations for annual openings associated with the selected industry sector or TOP code in the locale selected

● Cuyamaca College, Surveying (095730), 2020-2021

Annual Projections for 2021-2026			
	Annual Replacement Jobs	Annual New Jobs	Annual Openings
<b>Regional Totals</b>	145	8	159
<b>Higher Skill: Bachelor's Degree Or Higher</b>			
Surveyors (17-1022)	48	1	54
Cartographers and Photogrammetrists (17-1021)	15	7	16
<b>Middle Skill: HS Diploma Or Equivalent</b>			
Surveying and Mapping Technicians (17-3031)	82	0	90

Source: Lightcast (formerly Emsi) Labor Market data 2022.3, TOP-SOC Crosswalk

## STUDENT PROGRESS MEASURES

SURVEYING (TOP CODE 0701)	COMPLETION		PRESISTENCE & TRANSFER		EMPLOYMENT	
	#	%	#	%	#	%
<b>2020-2021</b>						
<b>DISTRICT</b>	5	83.33	6	66.67	4	100
<b>STATE</b>	536	76.46	1,481	83.19	520	97.69

## RECOMMENDATIONS

Cuyamaca College has the only program to train land surveyors in San Diego County. Many different industries require Professional Land Surveyors including architectural firms, engineering firms, government agencies, real estate sales agencies, mining companies, water districts, utility companies and many more. Recent success can be attributed to greater faculty involvement and outreach events which have yielded very good enrollment results. Industry participation has also helped. We plan to review aligning our degree course scheduling with our new influx of entry students to better serve them in achieving a degree quickly.

The Cuyamaca Surveying program has experienced a large influx of students for the Spring 2023 semester, with 50 students enrolled in our introductory course, SURV-218 Plane Surveying. Our program has also attracted the interest of industry, with Trimble Inc. donating new equipment for use in our classrooms and companies requesting surveying interns and recent graduates. The increase in student enrollment combined with the industry demand has placed the Surveying program in an excellent situation to grow.