



CAREER EDUCATION

Biennial Report 2020
February 2021

Introduction

Southwestern College is strengthening efforts to create more and better career education programs in our region. By increasing the number of students enrolled in programs leading to in-demand, high-wage jobs, Southwestern College is meeting the challenge of ensuring the South Bay is capable of meeting its labor demand.

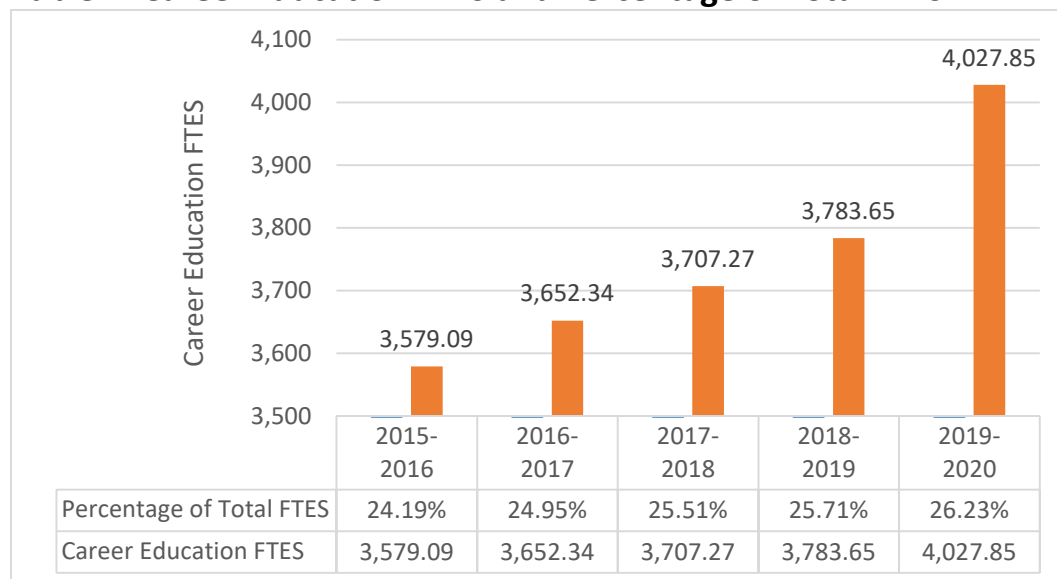
Recent efforts have produced innovative instructional practices, revitalized curriculum, programs that are sensitive to labor market conditions, and importantly, increasing student outcomes such as completion, skill attainment and employment rates. As these efforts continue, we must be vigilant in our quest to align our programs with the needs of students and the local economy. We must continue to build our partnerships with local workforce development boards, community-based organizations, K-12 institutions, and industries in the South Bay.

This report highlights the strengths and opportunities for growth of each of our Career Education programs. To remain focused on developing a strong workforce, we highlight programs in areas currently experiencing a regional labor market demand. We are happy to share that nearly all of our programs fall under this state. Furthermore, we draw attention to several programs that are experiencing **strong** numbers of awards over the last five years. These include, but are not limited to, Accounting (A.A.), Business Administration for Transfer (A.S.-T), Certified Nursing Assistant (CP), Child Development (A.A.), and Surgical Technology (CT). This report also shares recent findings from our participation in the Career and Technical Education Employment Outcomes Survey (CTEOS) and highlights several programs for their individual accomplishments.

As workforce development efforts continue to strengthen Southwestern College's Career Education programs, special emphasis must be placed on remaining true to the labor market needs of our community while keeping student equity and access central to our work. This will ensure that we maintain our commitment to our local community.

Career Education at Southwestern College

Table 1. Career Education FTES and Percentage of Total FTES



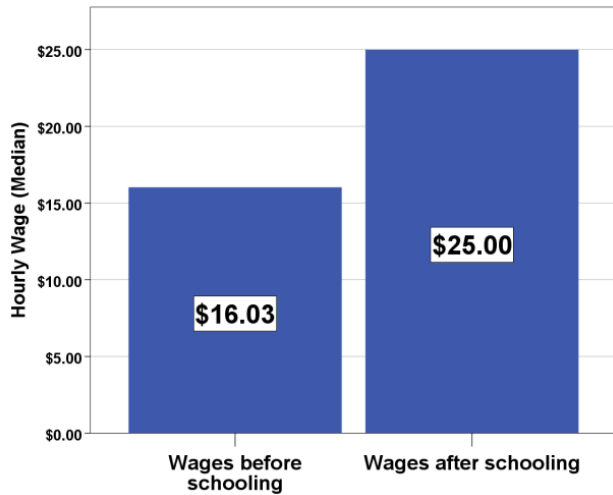
Southwestern College Career Education witnessed a significant increase in the number of full-time enrolled students (FTES) from the 2018-2019 academic year to 2019-2020. The more than 4,000 FTES in 2019-2020 represented a 6 percent increase over the previous year and continued the yearly growth in Career Education FTES. At the same time, the share of Total FTES represented by Career Education continued to increase. In the 2019-2020 academic year, more than 26% of all FTES at Southwestern was accounted for by Career Education. Since 2015-2016, Southwestern has gained nearly 500 additional Career Education FTES. The importance of Career Education at Southwestern

College is evidence not only by these increases but by the fact that 68 percent of degrees and certificates at the college are Career Education.

Career and Technical Education Employment Outcomes Survey (CTEOS)

Southwestern College participates in the Career and Technical Education Employment Outcomes Survey (CTEOS) hosted by Santa Rosa Junior College, which assesses employment outcomes (e.g. wages, hours, type of employment) of students who have participated in Career and Technical Education courses at the California Community Colleges. This survey provides valuable insights into the career trajectories of Southwestern College’s former students and plays an important role in curricular development and planning.

The 2020 administration of CTEOS surveyed students who did not enroll in 2018-2019 but had either earned a certificate of 6 or more units, earned a vocational degree, or earned 9+ CTE units in 2017-2018. Of the nearly two thousand (1,918) students who were surveyed, 540 responded (28 percent).



Southwestern College CTEOS Findings

- 89.1% were either *Satisfied* or *Very Satisfied* with the education and training they received.
- 70.8% secured a job that is closely or very closely related to their program of study.
- 70.3% secured a job in under four months.
- \$8.97 is the overall change in wages after completing training (in dollars), which accounts for a 56% increase in wages.
- 77% of employees reported being employed for pay.
- Only 12% reported being unemployed and seeking work.
- 70.1% report being employed 40+ hours with an additional 21.6% reporting between 20 and 40 hours per week.

Biennial Reports

Career Education Program Highlights

- Investments in facilities including a Cyber Security Lab on the CV campus and Immersive Health Simulation lab on the Otay campus
- Clothing Closet and Legal Clinic for students
- Industry engagement with over 800 local employers
- Paralegal program recently received American Bar Association (ABA) status and includes the only ABA certified Bilingual Paralegal program in the region.

- Business Administration hosts an annual *Petition Party* – a student centered festive event that provides students highly accessible support in petitioning the degrees that they have earned as opposed to the students transferring without gaining these degree or certificates
- The Dental Hygiene program has attained 100% of skill attainment and completions
- Paramedic program graduates have a 100% pass rate in their license examination and a 100% employment rate for those seeking a job as a paramedic

Biennial Reports Summary


Education Code section 78016 states: 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 to ensure that each program, as demonstrated by... available sources of labor market information, does all of the following:

- (1) Meets a documented labor market demand (DEMAND)
- (2) Does not represent unnecessary duplication of other manpower training programs in the area (SUPPLY)
- (3) Is of demonstrated effectiveness as measured by the employment and completion success of its students
- (4) Any program that does not meet the requirements of subdivision (a) and the standards promulgated by the governing board shall be terminated within one year.

Below is a summary table of all **214 Career Education degrees and certificates** organized by each of the **76 programs**. Certificates and degrees are listed as being *Strong, Could be Stronger, or Needs Further Review* depending on their average number of awards between 2015-2016 and 2019-2020. Note that the recently established programs *Cybersecurity* and *Drone Technology* have not been included in this table given the lack of historical data.




For each of the programs listed in the summary table below, you will find attached:







- Program Fact Sheet
- Narrative response provided by the discipline faculty and School/Center Dean





 A preliminary gap analysis finds that there are more jobs (demand) than there are qualified workers (supply based on number of awards issued) in the San Diego/Imperial region. Note that this analysis is based on the occupations identified by the Centers of Excellence TOP-CIP-SOC crosswalk. Occupations may be listed under more than one program and some jobs list the typical entry-level education as a bachelor's degree. See individual fact sheets for details.

Awards

- A.S. = Associate of Science
- A.S.-T. = Associate of Science for Transfer
- A.A. = Associate of Arts
- A.A.-T = Associate of Arts for Transfer
- CT = Certificate of Achievement (Chancellor's Office Approved)
- CP = Certificate of Proficiency (Local Awards)





Program	Regional Labor Market Demand	Strong (Average 10 or more awards per year)	Could be Stronger (Average 5 to 9.9 awards per year)	Needs Further Review (Average less than 5 awards per year)
Accounting		<ul style="list-style-type: none"> ● Accounting, A.A. 	<ul style="list-style-type: none"> ● Accounting, A.S. ● Micro Technician Bookkeeper, CT ● Payroll Clerk, CP 	<ul style="list-style-type: none"> ● Accounting, CT ● Bookkeeping Tech, CT ● Bookkeeping/Payroll Specialist, CT
Administration of Justice		<ul style="list-style-type: none"> ● Administration of Justice for Transfer, A.S. ● Administration of Justice-Law Enforcement Emphasis, A.S. 	<ul style="list-style-type: none"> ● Criminal Justice, A.A. 	<ul style="list-style-type: none"> ● Cyber-Forensic, A.S. this is a new program and no awards have been issued as of 9/9/2020
Administrative Medical Assisting				<ul style="list-style-type: none"> ● Medical Assisting-Administrative, CT





Animation				<ul style="list-style-type: none"> ● CIS-Web and Gaming Animator, CP
Applied Photography				<ul style="list-style-type: none"> ● Professional Photography, CT ● Photography and Digital Imaging, A.A.
Architecture and Architecture Technology			<ul style="list-style-type: none"> ● Architecture, A.S. 	<ul style="list-style-type: none"> ● Architecture Technology, A.S. ● Architecture Technology, CT
Automotive Technology		<ul style="list-style-type: none"> ● Auto Brake & Suspension, CP 	<ul style="list-style-type: none"> ● Advanced Emission Specialist, CT ● Automotive Performance Systems, CT ● Automotive Technology, A.S. ● Automotive Technology, CT 	
Banking and Finance				<ul style="list-style-type: none"> ● Finance, A.A. ● Finance & Investment Services Specialty, CT ● Financial Services, CP this is a new program and no awards have been issued as of 9/24/2020
Biotechnology and Biomedical Technology			<ul style="list-style-type: none"> ● Biotechnology, A.S. 	<ul style="list-style-type: none"> ● Biotechnology, CT




Business Administration		<ul style="list-style-type: none"> ● Business Administration for Transfer, A.S.-T 	<ul style="list-style-type: none"> ● Business Administration, A.A. 	
Business and Commerce, General				<ul style="list-style-type: none"> ● Community, Economic, and Urban Development – A.S. ● Community, Economic and Urban Development, Basic CT ● Community, Economic, and Urban Development, Intermediate CT ● Marketing, CP
Business Management			<ul style="list-style-type: none"> ● Business Management, A.S. ● Business Management, CP 	<ul style="list-style-type: none"> ● Business Management CT ● Management, A.A
Certified Nurse Assistant		<ul style="list-style-type: none"> ● Certified Nursing Assistant, CP 		
Civil and Construction Management Technology				<ul style="list-style-type: none"> ● Construction Management, A.S. ● Construction Management, CT
Clinical Medical Assisting			<ul style="list-style-type: none"> ● Medical Assisting, CT 	
Commercial Music				<ul style="list-style-type: none"> ● Music-Commercial, A.S. ● Music-Commercial, CT




Computer Electronics				<ul style="list-style-type: none"> ● Electronics - Computer Technician, Basic CP
Computer Information Systems				<ul style="list-style-type: none"> ● Information Systems, A.A.
Computer Networking				<ul style="list-style-type: none"> ● CIS-Internetwork Technician Emphasis, A.S.
Computer Programming				<ul style="list-style-type: none"> ● C++ Certificate, CP ● CIS - Programming With Emphasis on Application, A.S. ● CIS-Systems Programming Emphasis, A.S. ● CIS-Systems programming Emphasis, CT
Computer Support				<ul style="list-style-type: none"> ● CIS-Operations/PC Support Specialist Emphasis, A.S.
Construction Inspection			<ul style="list-style-type: none"> ● Construction Inspection, CT 	<ul style="list-style-type: none"> ● Construction Inspection, A.S.
Corrections			<ul style="list-style-type: none"> ● Administration of Justice- Corrections Emphasis, A.S. 	







Culinary Arts			<ul style="list-style-type: none"> ● Professional Baking and Pastry, CT ● Culinary Arts, A.S. 	<ul style="list-style-type: none"> ● Culinary Arts: Cooking Essentials Basic, CP ● Professional Cooking, CT
Dental Hygiene		<ul style="list-style-type: none"> ● Dental Hygiene, A.S. 02380 		<ul style="list-style-type: none"> ● Dental Hygiene, A.S T3000. this is an active program code, but no awards have been issued to it
Drafting Technology				<ul style="list-style-type: none"> ● CADD, A.S. ● CADD, Advanced CT ● CADD, Basic CT ● Design Technology, A.S. ● Design Technology, CT
E-Commerce (business emphasis)				<ul style="list-style-type: none"> ● E-Business, CP this is a new program and no awards have been issued as of 9/30/20 ● E-Business, CT
E-Commerce (technology emphasis)				<ul style="list-style-type: none"> ● CIS-Web Site eCommerce Administrator, A.S. ● CIS-eCommerce Emphasis, A.S.
Education Aide (Teacher Assistant)				<ul style="list-style-type: none"> ● Teacher Education Preparation, CT
Electronic Game Design				<ul style="list-style-type: none"> ● CIS-Web and Gamin 2D and 3D Animator, CT ● CIS-Web and Gaming Animator, A.S.


Emergency Medical Services		<ul style="list-style-type: none"> ● Emergency Medical Technology, CT 		
Environmental Technology				<ul style="list-style-type: none"> ● Environmental Management, A.S. ● Environmental Management, CT
Family Studies with Child Development/Early Care and Education		<ul style="list-style-type: none"> ● Child Development, AA ● Child Development Teacher, AA ● Spanish to English Associate Teacher, CP 	<ul style="list-style-type: none"> ● Child and Adolescent Development for Transfer, AAT 	<ul style="list-style-type: none"> ● Family and Child Services, CP this is a new program and no awards have been issued as of 9/1/2020 ● Family Child Care Business Provider,-CC CN this is a new program and no awards have been issued as of 9/1/2020 ● Infant, Child, and Adolescent Development-CC CN this is a new program and no awards have been issued as of 9/1/2020
Film, Television, and Media Arts				<ul style="list-style-type: none"> ● Film, Television, and Media Arts for Transfer, AST ● Film, Television and Media Arts Production Special Advanced, CT this program started in August 2019. No awards have been recorded to date





Fire Academy				<ul style="list-style-type: none"> ● Entry Level Firefighter, A.S. this is a new program and no awards have been issued as of 10/1/2020. ● Entry Level Firefighter, CT this is a new program and no awards have been issued as of 10/1/2020. ● Regional Fire Academy, CT this is a new program and no awards have been issued
Fire Technology		<ul style="list-style-type: none"> ● Fire Science Technology, A.S. 	<ul style="list-style-type: none"> ● Fire Science Technology, CT 	
Fitness Trainer			<ul style="list-style-type: none"> ● Fitness Specialist Certification Advanced, CT ● Fitness Specialist Certification Basic, CP 	<ul style="list-style-type: none"> ● Yoga Teacher Training 200 Hour, CT
Floriculture/ Floristry				<ul style="list-style-type: none"> ● Floral Design, A.S. ● Floral Design, CT
Forensics, Evidence, and Investigation				<ul style="list-style-type: none"> ● Crime Scene Investigator, A.S. ● Crime Scene Investigator, CT ● Forensic Studies, A.s. this is a new program and no awards have been issued as of 10/2/2020 ● Forensic Studies, CT this is a new program and no

				awards have been issued as of 10/2/2020
Geographic Information Systems				<ul style="list-style-type: none"> • Geospatial Technology Technician, CT • GIS – Continuing Students / Working Professionals, CP
Graphic Art and Design			<ul style="list-style-type: none"> • Graphic Design, A.A. 	
Health Information Coding			<ul style="list-style-type: none"> • Medical Assisting-Medical Insurance Billing and Coding, CT 	
Health Professions, Transfer Core Curriculum	Information is not available	<ul style="list-style-type: none"> • Preparation of Allied Health Programs, A.A. 		
Hospital Central Service Technician	Information is not available		<ul style="list-style-type: none"> • Central Service Technology, CO 	



Hospitality				<ul style="list-style-type: none"> ● Hospitality: Culinary Arts-Food Services Management-A, CT ● Hospitality: Culinary Arts-Food Services Management-A.S. ● Hospitality: Culinary Arts-Food Services Management-B-CT ● Hospitality: Hotel Operations Management-Basic, CT ● Hospitality: Travel and Tourism Management ● Hospitality: Travel and Tourism Management Advanced, Ct ● Hospitality: Travel and Tourism Management Basic, CT ● Hotel Management, A.S. ● Hotel Management, CT
Human Services/Social Work				<ul style="list-style-type: none"> ● Associate in Arts in Social Work and Human Services, A.A ● Social Work and Human Services, AAT
Industrial and Occupational Safety and Health				<ul style="list-style-type: none"> ● Occupational Health and Safety, A.S. ● Occupational Health and Safety, CT




Information Technology, General				<ul style="list-style-type: none"> ● Project Management, CP
Insurance				<ul style="list-style-type: none"> ● Insurance, A.S. ● Insurance, Basic CP ● Insurance, Advanced, CT
International Business and Trade				<ul style="list-style-type: none"> ● International Business, A.S. ● International Business, Intermediate CT ● International Business, Basic ● International Business Emphasis
Journalism			<ul style="list-style-type: none"> ● Journalism for Transfer, A.A-T 	<ul style="list-style-type: none"> ● Journalism, A.A.
Landscape Design and Maintenance				<ul style="list-style-type: none"> ● Landscape Architecture, A.S. ● Landscape Architecture, CT ● Landscape Occupations, A.S. ● Landscape Occupations, CT ● Sustainable Landscape Practices, A.S.
Legal and Community Interpretation			<ul style="list-style-type: none"> ● Legal Interpretation (English / Spanish), CT ● Legal Interpretation / Translation (English / 	

			Spanish), Intermediate CT	
Legal Office Technology				<ul style="list-style-type: none"> ● Civil Litigation Specialty, CT ● Criminal Law Specialty, CT ● Family Law Specialty, CT ● Immigration Law Specialty, CT ● International Business Law Specialty, CT ● (Eng/Span) Intensive Training, CT ● Legal Off Professional-Bilingual (ENG/SPAN) Basic, CT ● Legal Office Management, A.S, ● Legal Office Management Basic, CP ● Legal Office Management Intermediate, CT ● Legal Office Professional, A.S. ● Legal Office Professional: Business Law Specialty, CT ● Legal Office Professional-Basic, CT ● Legal Office Professional Bilingual (Eng/Span), A.S. ● Wills, Trusts, and Estates Specialty, CT

Licensed Vocational Nursing		<ul style="list-style-type: none"> • Nursing, Vocational, A.S. • Nursing, Vocational, CT 		<ul style="list-style-type: none"> • Vocational Nursing, A.S. this major is “active,” but does not have any awards issued to it.
Logistics and Materials Transportation				<ul style="list-style-type: none"> • International Logistics and Transportation, A.S. • International Logistics and Transportation, Basic CT • International Logistics and Transportation, Intermediate CT
Management Development and Supervision		<ul style="list-style-type: none"> • Leadership and Supervision Basic, CP 		<ul style="list-style-type: none"> • Leadership and Supervision, A.S. • Leadership and Supervision Intermediate, CT
Marketing and Distribution				<ul style="list-style-type: none"> • Marketing, A.A. • Social Marketing Emphasis, CT
Medical Assisting			<ul style="list-style-type: none"> • Medical Assisting, A.S. 	
Medical Laboratory Technology	Information is not available		<ul style="list-style-type: none"> • Medical Laboratory Technician, A.S. 	<ul style="list-style-type: none"> • Medical Laboratory Technician, A.S. this major code is “active,” but does not have any awards issued to it

Nursery Technology				<ul style="list-style-type: none"> ● Nursery Occupations: Retail Nursery/Plant Production, A.S. ● Retail Nursery and Plant Production, CT
Nutrition, Foods, and Culinary Arts				<ul style="list-style-type: none"> ● Nutrition and Dietetics, AST this program started in July 2019. No awards have been recorded to date
Office Technology / Office Computer Applications				<ul style="list-style-type: none"> ● Admin Off Assist-Billing (Eng/Span) Intensive Training, CT ● Microsoft Office Specialist (MOS) Basic, CP ● Office Information Systems Professional, A.S. ● Office Information Systems Professional Basic, CP ● Office Information Systems Professional-Bilingual, A.S. ● OIS: Office Info Systems Professional Bilingual Basic, Ct ● OIS: Microsoft Office Specialist (MOS) Advanced, CT ● OID: Office Information Systems Professional Advanced, CT ● Virtual Business Office Professional, A.S. ● Virtual Business Professional,, CT ● Virtual Business Office

				Support Professional, CT
Paralegal				<ul style="list-style-type: none"> ● Paralegal Studies, A.S. CT ● Paralegal Studies: Bilingual (English/Spanish), A.S. ● Paralegal Studies: Bilingual (English/Spanish), CT ● Paralegal Studies, CT
Paramedic		<ul style="list-style-type: none"> ● Emergency Medical Technology and Paramedic, CT 	<ul style="list-style-type: none"> ● Emergency Medical Technology and Paramedic, A.S. 	
Police Academy		<ul style="list-style-type: none"> ● Law Enforcement Training Academy, CT 		
Public Administration	No Information is available	<ul style="list-style-type: none"> ● Public Administration, A.A 		

Real Estate		<ul style="list-style-type: none"> ● Real Estate, CP 		<ul style="list-style-type: none"> ● Real Estate, A.A. ● Real Estate, A.S.
Registered Nursing		<ul style="list-style-type: none"> ● Nursing, A.S. 		<ul style="list-style-type: none"> ● Nursing ADN, A.S. this major code is “active,” but does not have any awards issued to it ● Nursing-LVN, A.S. this major code is “active,” but does not have any awards issued to it ● Nursing-30 units option, A.S. this major code is “active,” but does not have any awards issued to it
Small Business and Entrepreneurship				<ul style="list-style-type: none"> ● Automotive Technology Emphasis, CP ● Entrepreneurship and Small Business, CT ● Landscape Construction Emphasis, CP ● Entrepreneurship and Small Business, CI this is a new program and no awards have been issued as of 9/1/20 ● Recording Art Emphasis, CP ● Web Designer Emphasis, CP
Software Applications				<ul style="list-style-type: none"> ● CIS: Computer Programming with an Emphasis on App-BSC, CT ● Business Information Worker, CT

Surgical Technician		<ul style="list-style-type: none"> • Surgical Technology, CT 		<ul style="list-style-type: none"> • Operating Room Nursing, CP • Surgical Technology, A.S. • Surgical Technology, A.S. this major code is “active,” but does not have any awards issued to it
Technical Theater				<ul style="list-style-type: none"> • Theatre Arts-Technical Theatre, CT
Turfgrass Technology				<ul style="list-style-type: none"> • Golf and Sports Turf Management, A.S. • Golf and Sports Turf Management, CT
Website Design and Development			<ul style="list-style-type: none"> • CIS – Web Designer, CP 	<ul style="list-style-type: none"> • CIS-Web Database Programmer/Administrator -(LAMP), CP • CIS – Web Search Engine Marketer, CT • CIS – Web Shopping Cart Developer, CT • CIS Web Site Designer and Developer, A.S. • CIS – Web Site Designer and Developer, CT • Social Media marketer, CP
World Wide Web Administration				<ul style="list-style-type: none"> • CIS – Internetwork Tech. Emphasis, Basic CP