

CAREER TECHNICAL EDUCATION (CTE) TWO-YEAR PROGRAM REVIEW FOR 2023

Program: CNET

Planning Year: 2023

Unit: Eng&Tech

Cluster: Workforce Development

Last Year of CPPR/Voc. Ed

Review: 2019

INSTRUCTIONS: CTE programs will complete and submit the below Two-Year Program Review as part of a regular two-year program review cycle (Ed Code 78016). In addition, CTE programs will complete and submit an APPW on an annual basis and an Instructional Comprehensive Program Planning and Review (CPPR) every four years according to the institutional comprehensive planning cycle for instructional programs.

California Ed Code 78016

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 the California Occupational Information System, including the State-Local Cooperative Labor Market Information Program established in Section 10533 of the Unemployment Insurance Code, or if this program is not available in the labor market area, other available sources of labor market information, does all of the following:

1. Meets a documented labor market demand.
 2. Does not represent unnecessary duplication of other manpower training programs in the area.
 3. Is of demonstrated effectiveness as measured by the employment and completion success of its students.
- A. 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.
 - B. The review process required by this section shall include the review and comments by the local Private Industry Council established pursuant to Division 8 (commencing with Section 15000) of the Unemployment Insurance Code, which review and comments shall occur prior to any decision by the appropriate governing body.
 - C. This section shall apply to each program commenced subsequent to July 28, 1983.
 - D. A written summary of the findings of each review shall be made available to the public.

NARRATIVE: Review your CTE program according to the following three prompts with analysis of data provided by the State: <http://www.labormarketinfo.edd.ca.gov/>.

If assistance is needed to retrieve data, please contact the Dean of Instruction for Health, Workforce and Kinesiology.

Provide a written summary for each prompt. If yes, explain why and/or how. If no, explain why.

I. Meets a documented labor market demand, <http://www.labormarketinfo.edd.ca.gov/>.

Local job market shows over 500 possible computer related positions (of-course there is no way to know how many of these positions are already filled but assuming at a given time 10% are not filled then that would mean about 50 positions need to be filled so the CNET program can help meet that need)

Geography: San Luis Obispo-Paso Robles-Arroyo Grande MSA										
Counties: San Luis Obispo										
MSA Co	Geographic Area Name	SOC Co	Occupational Title	May 2021 Employment Estimates	Mean Hourly Wage	Mean Annual Wage	Mean Relative Standard Error (1)	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
042020	San Luis Obispo-Paso F	15-1231	Computer Network Support Specialists	60	\$34.20	\$71,131	3.4	\$28.02	\$31.20	\$39.75
042020	San Luis Obispo-Paso F	15-1232	Computer User Support Specialists	300	\$30.82	\$64,107	2.9	\$21.90	\$28.94	\$38.75
042020	San Luis Obispo-Paso F	15-1299	Computer Occupations, All Other	200	\$44.64	\$92,846	8.6	\$29.17	\$39.51	\$55.13

Statewide it shows Computer support specialists have a growth rate of 6%, Computer network support 10.1% and Network administrators 5.8%. So overall at least average growth or above.

Computer Support Specialists

Quick Facts: Computer Support Specialists	
2021 Median Pay ?	\$57,910 per year \$27.84 per hour
Typical Entry-Level Education ?	See How to Become One
Work Experience in a Related Occupation ?	None
On-the-job Training ?	Moderate-term on-the-job training
Number of Jobs, 2021 ?	875,700
Job Outlook, 2021-31 ?	6% (As fast as average)
Employment Change, 2021-31 ?	56,400

Computer Network Support Specialists

Computer Network Support Specialists

(SOC Code : 15-1152)

in California

Analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Perform network maintenance to ensure networks operate correctly with minimal interruption. Excludes "Network and Computer Systems Administrators" (15-1142) and "Computer Network Architects" (15-1143).

Employers are usually looking for candidates with a Associate degree .

Occupational Wages

Wages for this occupation in California are not available.

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Occupational Projections of Employment (also called "Outlook" or "Demand")

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Area	Estimated Year-Projected Year	Employment		Employment Change		Total Job Openings
		Estimated	Projected	Number	Percent	
California	2018 - 2028	12,900	14,200	1,300	10.1	12,400

Network Administrators

Network and Computer Systems Administrators

(SOC Code : 15-1142)

in California

Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet system or a segment of a network system. Maintain network hardware and software. Monitor network to ensure network availability to all system users and perform necessary maintenance to support network availability. May supervise other network support and client server specialists and plan, coordinate, and implement network security measures. Exclude "Computer Support Specialists" (15-1041).

Employers are usually looking for candidates with a Bachelor's degree .

Occupational Wages

Wages for this occupation in California are not available.

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Occupational Projections of Employment (also called "Outlook" or "Demand")

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Area	Estimated Year-Projected Year	Employment		Employment Change		Total Job Openings
		Estimated	Projected	Number	Percent	
California	2018 - 2028	25,700	27,200	1,500	5.8	19,990

The above tables show a consistent amount of demand. What isn't shown is how the role of each job description will change and how CNET must adapt to it to remain viable thus address future demand. One thing that is clear is computers and networking are more critical than ever to company viability in today's economy.

II. Does not represent unnecessary duplication of other manpower training programs in the area.

The closest CNET community college training is Alan Hancock college. Locally there is Laurus college that has options for two- and four-year IT degrees (of-course at much greater expense), then there are other online options for students to take IT coursework with DE programs common at most community colleges.

III. Is of demonstrated effectiveness as measured by the employment and completion success of its students,

https://misweb.cccco.edu/perkins/Core_Indicator_Reports/Summ_CoreIndi_TOPCode.aspx

Below shows Cuesta CNET program is above the goal for skill attainment (core1) and certificate or degree completion (core2). For persistence (core3) and employment (core4) the CNET program is very close to the target value specified; however, Non-traditional (Core5) employment and completion are far below the target values.

Various methods have been tried to improve female participation including targeted advertising methods, but CNET consistently attracts male to female at a ratio of about 10 to 1 or greater based on class enrollments. Anecdotally the Cyber security course CNET235 over the last few years has had about twice as many females as regular CNET courses so it seems that aspect of CNET is most appealing to women.

What is also interesting about the below statistics is Hispanic enrollment was shown to have increased in CNET according to the chancellor office data and the schools program data; however, that does not reflect any Core5 improvement (unless Hispanics are not considered non-traditional for CNET employment, however, at one time CNET had very few Hispanic students so this is a recent change)

Select Report Type: College Summary - Core
 Select District/College: Cuesta College
 Select Fiscal Year: 2020-2021
 Select TOP Code:
 View Report

	Core 1 Skill Attainment	Core 2 Completion	Core 3 Persistence	Core 4 Employment	Core 5a NT Participation	Core 5b NT Completion
0708 COMPUTER INFRASTRUCTURE AND SUPPORT	100.00	93.75	89.66	72.73	3.45	6.25

Performance Rate Less Than Goal is Shaded

Total Count is 10 or Greater

Total Count is Less Than 10

Core 1 - Skill Attainment, GPA 2.0 & Above: 91.75% Performance Goal - (2017- 2018)
 Core 2 - Completions, Certificates, Degrees and Transfer Ready: 89.00% Performance Goal - (2017- 2018)
 Core 3 - Persistence in Higher Education: 91.00% Performance Goal - (2017- 2018)
 Core 4 - Employment: 73.23% Performance Goal - (2017- 2018)
 Core 5 - Training Leading to Non-traditional Employment: Greater than 23.93% Participation & 28.02% Completion - (2017- 2018)

Source: CCCCO MIS Database, EDD Base Wage File, CSU Chancellor's Office, UC Office of the President, 2000 Census, Student Loan Clearing House