

Labor Market Analysis for Program Recommendation:
0708.10/Computer Networking
CIP: 11.1003/Computer and Information Systems
Security/Auditing/Information Assurance
(Cybersecurity Essentials Certificate)

Orange County Center of Excellence, August 2025



Summary

Program LMI Endorsement	Endorsed: All LMI Criteria Met ☒	Endorsed: Some LMI Criteria Met ☐	Not LMI Endorsed ☐
Program LMI Endorsement Criteria			
	Yes ☒	No ☐	
Supply Gap:	Comments: there is projected to be 1,042 annual job openings throughout Los Angeles and Orange counties for these cybersecurity occupations, which is more than the 1,216 awards conferred by educational institutions . However, these educational programs also prepare students for 8 other related occupations, which account for 7,507 additional annual job openings . Because this program trains a variety of occupations with high demand, there is most likely an undersupply of labor for cybersecurity occupations.		
	Yes ☒	No ☐	
Self-Sufficiency Standard Living Wage ¹ :	Comments: all annual job openings for these cybersecurity occupations have entry-level hourly wages above the OC living wage of \$27.13 .		
	Yes ☒	No ☐	
Education:	Comments: though the majority (73%) of annual job openings for these middle-skill cybersecurity occupations typically require a bachelor's degree, between 36% and 39% of workers in the field have completed some college or an associate degree as their highest level of education .		
Additional Considerations			
Emerging Occupation(s):	Yes ☐	Some ☐	No ☒
	Comments: N/A		
OC Resilient Job(s):	Yes ☐	Some ☒	No ☐
	Comments: See Resilient Jobs and US News & World Report Best Jobs		

¹ The living wage endorsement criteria in this report uses the University of Washington's Center for Women's Welfare Self-Sufficiency Standard, which the COE refers to as a living wage; Orange County's living wage of \$27.13, was last updated in March 2024.

U.S. News & World Report 2025 Best Jobs List ² :	Yes ☐	Some ☒	No ☐
	Comments: See Resilient Jobs and US News & World Report Best Jobs		

The Orange County Center of Excellence for Labor Market Research (OC COE) prepared this report to determine whether there is a supply gap in the Los Angeles/Orange County regional labor market related to three middle-skill occupations:

- *Computer Network Support Specialists (15-1231)*
- *Computer Network Architects (15-1241)*
- *Network and Computer Systems Administrators (15-1244)*

Based on the available data there appears to be a supply gap for these cybersecurity occupations, typical education requirements for these occupations align with a community college education and entry-level wages are above the Self-Sufficiency Standard living wage. **Therefore, due to all of the regional labor market criteria being met, the COE endorses this proposed program.**

Exhibit 1 lists the occupational demand, supply, typical entry-level education, and educational attainment for the occupations included in this report.

Exhibit 1: Labor Market Endorsement Summary

Occupation (SOC)	Demand (Annual Openings)	Supply (CC and Non-CC)	Entry-Level Hourly Earnings (25 th Percentile)	Typical Entry-Level Education	Community College Educational Attainment
Computer Network Support Specialists (15-1231)	LA: 196 OC: 84 TTL: 280	Accounted for Below	OC: \$27.33	Associate degree	39%
Computer Network Architects (15-1241)	LA: 348 OC: 142 TTL: 491	Accounted for Below	OC: \$53.62	Bachelor's degree	36%
Network and Computer Systems Administrators (15-1244)	LA: 184 OC: 87 TTL: 271	LA: 749 OC: 467 TTL: 1,216	OC: \$40.48	Bachelor's degree	38%
Total	1,042	1,216	N/A	N/A	N/A

Demand:

- The number of jobs related to these cybersecurity occupations is projected to decrease 1% through 2029, equating to 1,042 annual job openings.

² "100 Best Jobs," U.S. News & World Report, accessed January 28, 2025, <https://money.usnews.com/careers/best-jobs/rankings/the-100-best-jobs>.

- Hourly entry-level wages for these cybersecurity occupations range from \$27.33 to \$53.62 in Orange County; all annual openings have entry-level wages above the Self-Sufficiency Standard living wage.
- There were 5,944 online job postings for these cybersecurity occupations over the past 12 months. The highest number of postings were for network engineers, systems administrators, and network administrators.
- The typical entry-level education for these cybersecurity occupations ranges from associate degree to bachelor's degree.
- Between 36% and 39% of workers in the field have completed some college or an associate degree as their highest level of educational attainment.

Supply:

- There was an average of 1,081 awards conferred by 27 community colleges in Los Angeles and Orange Counties from 2021 to 2024.
- Non-community college institutions conferred an average of 135 awards from 2020 to 2023.
- Orange County community college students that exited computer networking programs in the 2022-23 academic year had a median annual wage of \$56,724 (\$27.27 per hour) after exiting the program and 48% attained the regional living wage.
- Due to a low number of students, student outcome data is not available students employed in their field of study.

Demand

Occupational Projections:

Exhibit 2 shows the annual percentage change in jobs for these cybersecurity occupations from 2019 through 2029. Though there was a 7% decline across all occupations in Los Angeles and Orange counties from 2019 to 2020 due to the COVID-19 pandemic, employment in these cybersecurity occupations decreased each year from 2019 to 2021. These cybersecurity occupations are projected to grow at a lower rate for all occupations through 2029.

Exhibit 2: Annual Percent Change in Jobs for Cybersecurity Occupations, 2019-2029

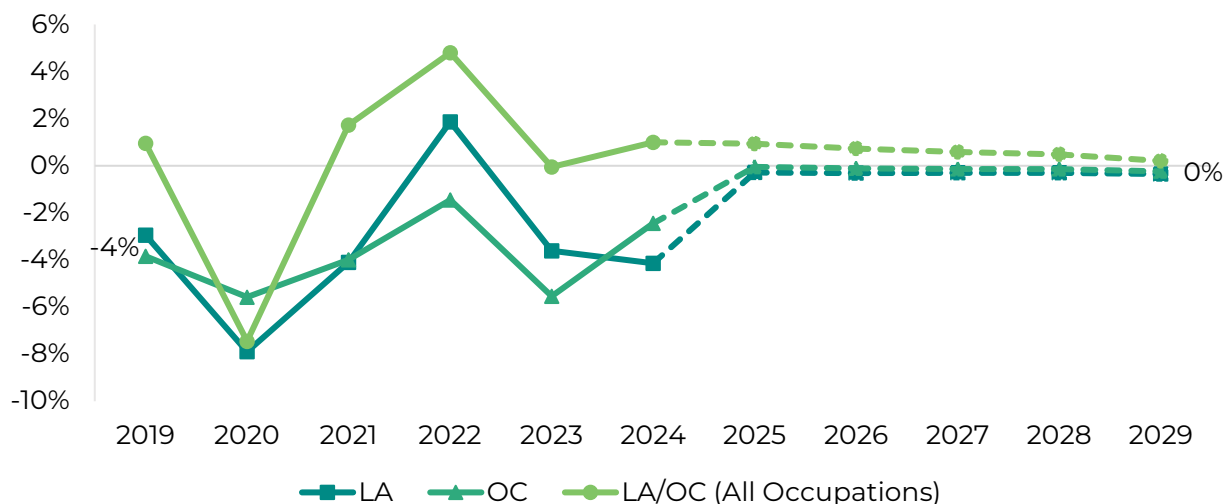


Exhibit 3 shows the five-year occupational demand projections for these cybersecurity occupations. In Los Angeles/Orange County, the number of jobs related to these occupations is projected to decrease 1% through 2028. There is projected to be 1,042 available annually.

Exhibit 3: Occupational Demand in Los Angeles and Orange Counties³

Geography	2024 Jobs	2029 Jobs	2024-2029 Change	2024-2029 % Change	Annual Openings
Los Angeles	13,269	13,064	(205)	(2%)	728
Orange	5,611	5,573	(38)	(1%)	314
Total	18,879	18,636	(243)	(1%)	1,042

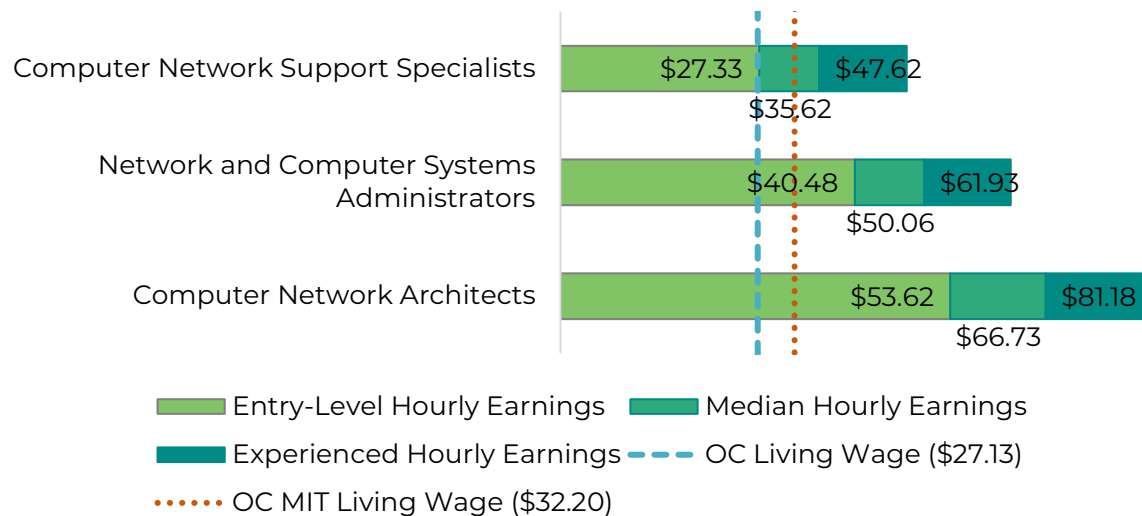
Wages:

The labor market endorsement in this report considers the entry-level hourly wages for these cybersecurity occupations in Orange County as they relate to the county's living wage. Los Angeles County wages are included below to provide a complete analysis of the LA/OC region.

In addition to the Self Sufficiency Standard living wage, data for the MIT Living Wage, updated on February 10, 2025, is provided as a reference. Currently, the MIT Living Wage in Orange County is \$32.20. Both figures account for geographic-specific costs of necessities such as housing, food, health care, and transportation to assess the cost of living, and are notated in the exhibits below.

All annual openings for these cybersecurity occupations have entry-level wages above the Self-Sufficiency Standard living wage for one adult (\$27.13 in Orange County). Typical entry-level hourly wages range between \$27.33 and \$53.62. Orange County's average wages of \$54.59 are below the average statewide wage of \$58.06 these occupations. Exhibit 4 shows the wage range for each of these cybersecurity occupations in Orange County and how they compare to the regional living wage, sorted from lowest to highest entry-level wage.

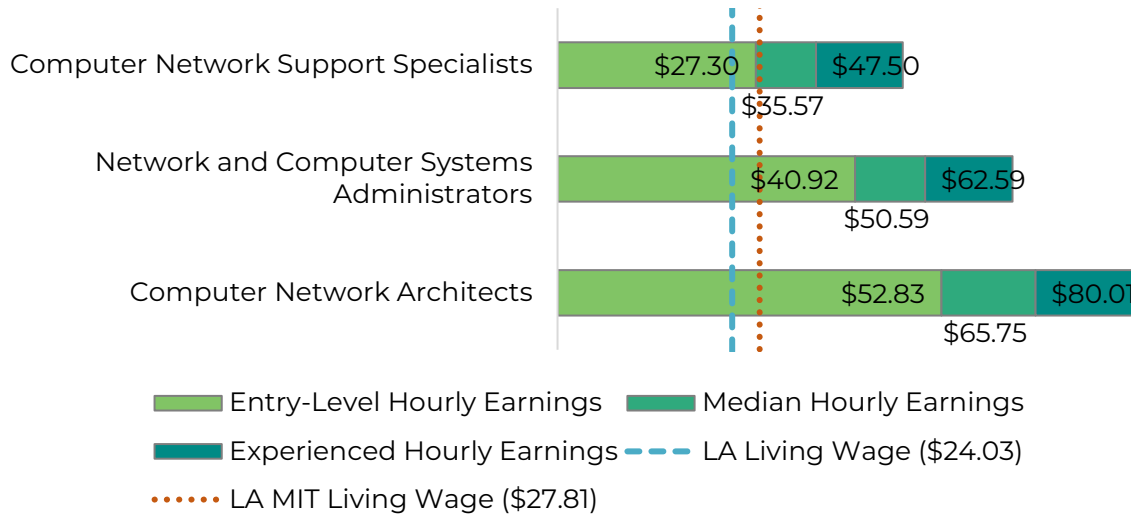
Exhibit 4: Wages by Occupation in Orange County



³ Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

All annual openings for these cybersecurity occupations have entry-level wages above the Self-Sufficiency Standard living wage for one adult (\$24.03 in Los Angeles County). Typical entry-level hourly range between \$27.30 and \$52.83. Los Angeles County's average wages of \$54.25 are below the average statewide wage of \$58.06 for these occupations. Exhibit 5 shows the wage range for each of these cybersecurity occupations in Los Angeles County and how they compare to the regional living wage, sorted from lowest to highest entry-level wage.

Exhibit 5: Wages by Occupation in Los Angeles County



Resilient Jobs and U.S. News & World Report Best Jobs:

Exhibit 6 shows if each occupation is considered an Orange County Great Recession-Resilient, COVID-19 Pandemic Recession-Resilient Job, or a 2025 U.S. News & World Report (USN&WR) Best Job. Only one occupation, *computer network architects*, met the criteria to be considered a COVID-19 Pandemic Recession-Resilient Job and USN&WR Best Jobs. *Computer network support specialists* and *network computer systems administrators* did not meet any of these designations.

Exhibit 6: Resilient Jobs and USN&WR Best Jobs Designations

Occupation	Great Recession-Resilient Job	COVID-19 Pandemic Recession-Resilient Job	2025 USN&WR Best Job
Computer Network Architects	☐	☒	☒
Computer Network Support Specialists	☐	☐	☐
Network and Computer Systems Administrators	☐	☐	☐

Job Postings:

Important Online Job Postings Data Note: There are limitations when analyzing job postings. A single job posting may not represent a single job opening for a variety of reasons.

There were 5,944 online job postings related to these cybersecurity occupations listed in the past 12 months. Exhibit 7 shows the number of job postings by occupation. Over 80% of job postings were for *network and computer systems administrators* and nearly 75% were for *computer network architect*.

Exhibit 7: Number of Job Postings by Occupation (n=5,944)

Occupation	Job Postings	Percentage of Job Postings
Network and Computer Systems Administrators	2,750	80%
Computer Network Architects	2,571	75%
Computer Network Support Specialists	623	18%
Total Postings	5,944	100%

The top employers in the region, by number of job postings, are shown in Exhibit 8.

Exhibit 8: Top Employers by Number of Job Postings (n=5,944)

Employer	Job Postings	Percentage of Job Postings
Northrop Grumman	125	2%
The Judge Group	120	2%
Robert Half	106	2%
Insight Global	91	2%
TEKsystems	84	1%
Raytheon Technologies	74	1%
Boeing	60	1%
Canonical Group	51	1%
Anduril Industries	48	1%
Allegis Group	45	1%

The top specialized, soft, and computer skills listed by those most frequently mentioned in job postings (denoted in parentheses) are shown in Exhibit 9.

Exhibit 9: Top Skills by Number of Job Postings (n=5,944)

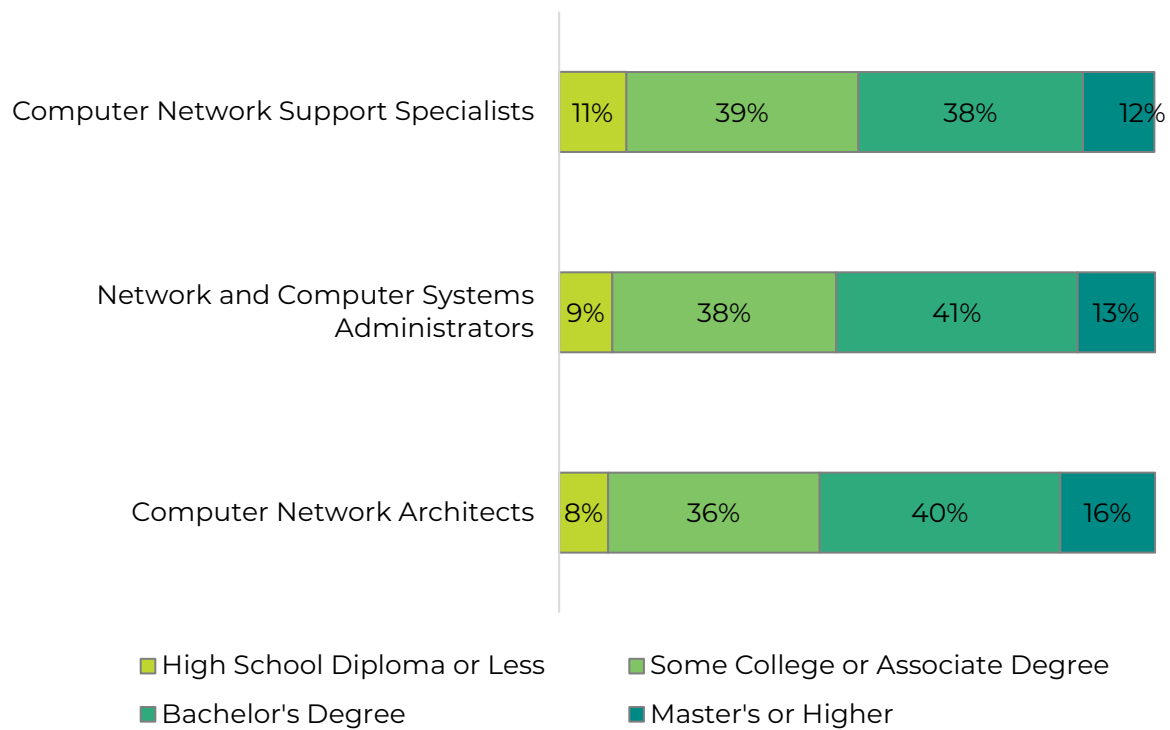
Top Specialized Skills	Top Soft Skills	Top Computer Skills
Computer Science (1,525)	Troubleshooting (Problem Solving) (3,054)	Firewall (1,269)
Network Routing (1,291)	Communication (2,736)	Operating Systems (1,207)
Firewall (1,269)	Management (1,985)	Linux (1,083)
Automation (1,241)	Operations (1,855)	Active Directory (845)
Operating Systems (1,207)	Problem Solving (1,516)	Python (Programming Language) (818)
Linux (1,083)	Customer Service (1,197)	Microsoft Azure (722)
Network Switches (1,066)	Information Technology (978)	Microsoft Office (639)
Network Engineering (961)	Planning (917)	Amazon Web Services (594)

Top Specialized Skills	Top Soft Skills	Top Computer Skills
Scripting (858)	Leadership (810)	Windows Servers (594)
Active Directory (845)	Detail Oriented (748)	Dynamic Host Configuration Protocol (DHCP) (577)

Educational Attainment:

The Bureau of Labor Statistics (BLS) lists associate degree for *computer network support specialists*, and a bachelor's degree for *computer network architects*, *network and computer systems administrators*. However, the national-level educational attainment data indicates between 33% and 39% of workers in the field have completed some college or an associate degree as their highest level of education. Exhibit 10 shows the educational attainment for each occupation, sorted by highest community college educational attainment to lowest.

Exhibit 10: National-level Educational Attainment for Occupations



Of the 63% of the cumulative job postings for these middle-skill occupations that listed a minimum education requirement in Los Angeles/Orange County, 31% (1,169) requested a high school diploma or associate degree, and 67% (2,483) requested a bachelor's degree.

Educational Supply

The following supply tables displays the total supply for these cybersecurity occupations that align with these TOP/CIP codes and program needs.

Community College Supply:

Exhibit 11 shows the three-year average number of awards conferred by community colleges in the related TOP codes:

- Computer Information Systems (0702.00)
- Computer Infrastructure and Support (0708.00)
- Computer Networking (0708.10)
- World Wide Web Administration (0709.00)

The colleges with the most completions in the region are Coastline, Long Beach, and Cypress. Over the past 12 months, there were no other related program recommendation requests from regional community colleges.

Exhibit 11: Regional Community College Awards (Certificates and Degrees), 2021-2024

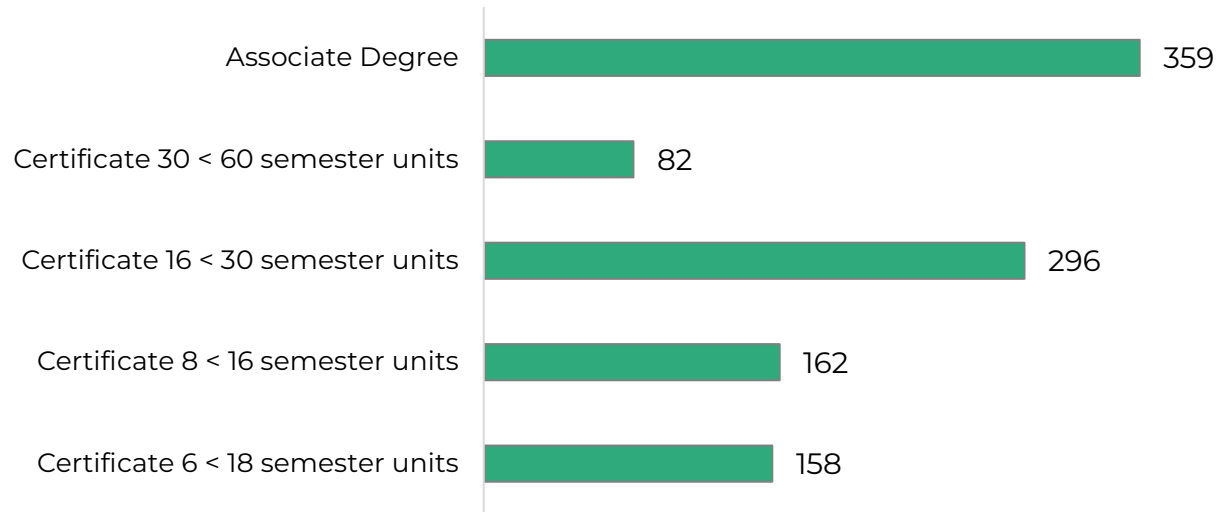
TOP Code	Program	College	2021-2022 Awards	2022-2023 Awards	2023-2024 Awards	3-Year Award Average
0702.00	Computer Information Systems	Citrus	6	2	5	4
		Compton	12	4	4	7
		East LA	11	23	42	25
		El Camino	28	19	27	25
		Glendale	8	11	5	8
		LA City	3	4	20	9
		LA Harbor	1	2	3	2
		LA Mission	1	0	0	0
		LA Swest	21	20	10	17
		LA Trade	17	35	18	23
		Long Beach	0	6	26	11
		Mt San Antonio	68	41	41	50
		Rio Hondo	15	14	14	14
		Santa Monica	0	2	6	3
		West LA	14	8	7	10
		LA Subtotal	205	191	228	208
		Coastline	2	7	11	7
		Fullerton	49	48	51	49
		Irvine	0	1	0	0
		Orange Coast	1	0	0	0
		Saddleback	0	1	1	1

TOP Code	Program	College	2021-2022 Awards	2022-2023 Awards	2023-2024 Awards	3-Year Award Average
		Santa Ana	18	8	23	16
		Santiago Canyon	1	5	2	3
		OC Subtotal	71	70	88	76
		Supply Subtotal/Average	276	261	316	284
0708.00	Computer Infrastructure and Support	Cerritos	9	14	14	12
		East LA	3	11	3	6
		El Camino	5	8	13	9
		Glendale	11	3	4	6
		LA City	12	19	50	27
		LA Harbor	2	1	0	1
		LA Mission	32	20	58	37
		LA Valley	3	2	3	3
		Long Beach	2	24	37	21
		Mt San Antonio	36	17	35	29
		Pasadena	8	17	3	9
		Rio Hondo	19	30	31	27
		West LA	7	4	7	6
		LA Subtotal	205	191	228	208
		Coastline	91	81	137	103
		Cypress	1	0	1	1
		Fullerton	0	0	1	0
		Orange Coast	7	2	2	4
		Saddleback	13	14	14	14
		Santa Ana	14	20	18	17
		Santiago Canyon	0	1	1	1
		OC Subtotal	71	70	88	76
		Supply Subtotal/Average	276	261	316	284
0708.10	Computer Networking	Cerritos	6	10	13	10
		Glendale	2	2	0	1
		LA City	8	6	11	8
		LA Pierce	19	14	24	19
		Long Beach	52	70	39	54
		Mt San Antonio	25	13	21	20
		Rio Hondo	5	7	10	7

TOP Code	Program	College	2021-2022 Awards	2022-2023 Awards	2023-2024 Awards	3-Year Award Average
		Santa Monica	0	1	0	0
		West LA	24	24	68	39
		LA Subtotal	141	147	186	158
		Coastline	49	17	36	34
		Cypress	71	116	151	113
		Irvine	18	27	34	26
		Saddleback	15	17	15	16
		Santa Ana	45	47	88	60
		OC Subtotal	198	224	324	249
		Supply Subtotal/Average	339	371	510	407
0709.00	World Wide Web Administration	Cerritos	3	3	7	4
		Glendale	7	2	6	5
		LA Pierce	0	2	1	1
		Long Beach	44	39	15	33
		Mt San Antonio	0	4	8	4
		Santa Monica	0	3	3	2
		West LA	7	8	5	7
		LA Subtotal	61	61	45	56
		Fullerton	0	0	1	0
		Saddleback	3	3	0	2
		OC Subtotal	3	3	1	2
		Supply Subtotal/Average	64	64	46	58
		Supply Total/Average	403	435	556	465

Exhibit 12 shows the annual average community college awards by type from 2021-22 to 2023-24. The plurality of the awards are for associate degree, followed by certificate 16 less than 30 semester units and certificate 8 less than 16 semester units.

Exhibit 12: Annual Average Community College Awards by Type, 2021-2024



Community College Student Outcomes:

Exhibit 13 shows the Strong Workforce Program (SWP) metrics for computer networking programs in North Orange County Community College District (NOCCCD), the Orange County Region, and California. Of the 996 Orange County computer networking students in the 2023-24 academic year, 28% (280) attended an NOCCCD college.

NOCCCD students that exited computer networking programs in the 2022-23 academic year had higher median annual earnings (\$57,104 or \$27.45 per hour) compared to all computer networking students in Orange County (\$56,724 or \$27.27 per hour). A higher percentage of NOCCCD computer networking students attained the living wage (49%) when compared to all computer networking students in Orange County (48%).

Exhibit 13: Computer Networking (0708.10) Strong Workforce Program Metrics, 2021-24⁴

SWP Metric	NOCCCD	OC Region	California
SWP Students	280	996	10,203
SWP Students Who Earned 9 or More Career Education Units in the District in a Single Year	46%	43%	46%
SWP Students Who Completed a Noncredit CTE or Workforce Preparation Course	Insufficient Data	46%	71%
SWP Students Who Earned a Degree or Certificate or Attained Apprenticeship Journey Status	90	186	910
SWP Students Who Transferred to a Four-Year Postsecondary Institution (2022-23)	Insufficient Data	47	351

⁴ All SWP metrics are for 2023-24 unless otherwise noted.

SWP Metric	NOCCCD	OC Region	California
SWP Students with a Job Closely Related to Their Field of Study (2021-22)	Insufficient Data	Insufficient Data	68%
Median Annual Earnings for SWP Exiting Students (2022-23)	\$57,104 (\$27.45)	\$56,724 (\$27.27)	\$54,738 (\$26.32)
Median Change in Earnings for SWP Exiting Students (2022-23)	42%	31%	23%
SWP Exiting Students Who Attained the Living Wage (2022-23)	49%	48%	55%

Non-Community College Supply:

To comprehensively analyze the regional supply, it is crucial to include data from other institutions offering computer networking programs. Exhibit 14 displays the annual and three-year average awards granted by these institutions under the related Classification of Instructional Programs (CIP) codes:

- Network and System Administration/Administrator (11.1001)
- Computer and Information Systems Security/Auditing/Information Assurance (11.1003)

No awards were conferred for the related CIP code:

- Computer Systems Networking and Telecommunications (11.0901)
- Cloud Computing (11.0902)

The available data covers 2020 to 2023. During this period, non-community college institutions in the region conferred an average of 135 awards annually in related program.

Exhibit 14: Regional Non-Community College Awards, 2020-2023

CIP Code	Program	College	2020-2021 Awards	2021-2022 Awards	2022-2023 Awards	3-Year Award Average
11.1001	Network and System Administration/Administrator	ABCO Technology	40	104	46	63
		Brand College	16	9	6	10
Supply Subtotal/Average			56	113	52	74
11.1003	Computer and Information Systems Security/Auditing/Information Assurance	ABCO Technology	0	0	0	0
		Azusa Pacific University	0	0	0	0
		California State University-Dominguez Hills	8	39	37	28
		InterCoast Colleges-West Covina	0	2	6	3
		Learnet Academy Inc	4	3	1	3

CIP Code	Program	College	2020-2021 Awards	2021-2022 Awards	2022-2023 Awards	3-Year Award Average
		Loyola Marymount University	0	0	0	0
		Platt College-Los Angeles	0	0	7	2
		University of La Verne	0	0	0	0
		University of Southern California	29	13	35	26
		Westcliff University	0	0	0	0
Supply Subtotal/Average			41	57	86	61
Supply Total/Average			97	170	138	135

Regional Demographics

This section examines demographic data for Orange County community college students in computer networking programs compared to the OC population, along with occupational data, to identify potential diversity and equity issues addressable by community college programs.

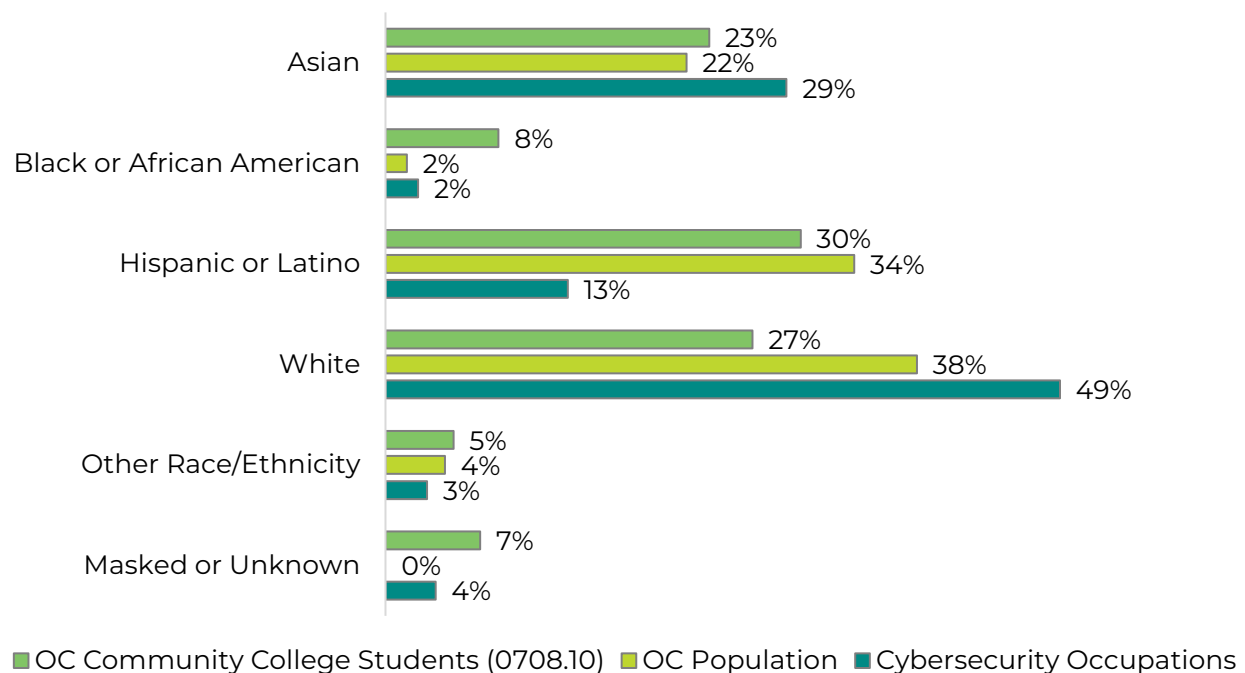
Ethnicity:

Exhibit 15 compares the ethnicity of Orange County community college students enrolled in computer networking programs, the overall Orange County population, and occupation-specific data for the three cybersecurity occupations included in this report.

Notably, 49% of workers employed in these cybersecurity occupations are white, which is much higher than the population (38%) and community college computer networking students (27%). Conversely, 29% of workers in the field are Asian, which is higher than the population (22%) and community college computer networking students (27%). Hispanic or Latino workers account for 13% of workers, which is substantially lower than the population (34%) and community college computer networking students (30%).

Examining disaggregated data for each occupation (not shown), white individuals account for the largest percentage of workers across all three occupations: *computer network architects* (58%), *network and computer systems administrators* (54%), and *computer network support specialists* (46%). Asian workers are the second largest ethnic group across all three occupations: *computer network architects* (33%), *network and computer systems administrators* (29%), and *computer network support specialists* (28%). *Computer network support specialists* require an associate degree and has the lowest entry-level wages, whereas *computer network architects* require a bachelor's degree and has the highest entry-level wages of all three occupations.

Exhibit 15: Program and County Demographics by Ethnicity



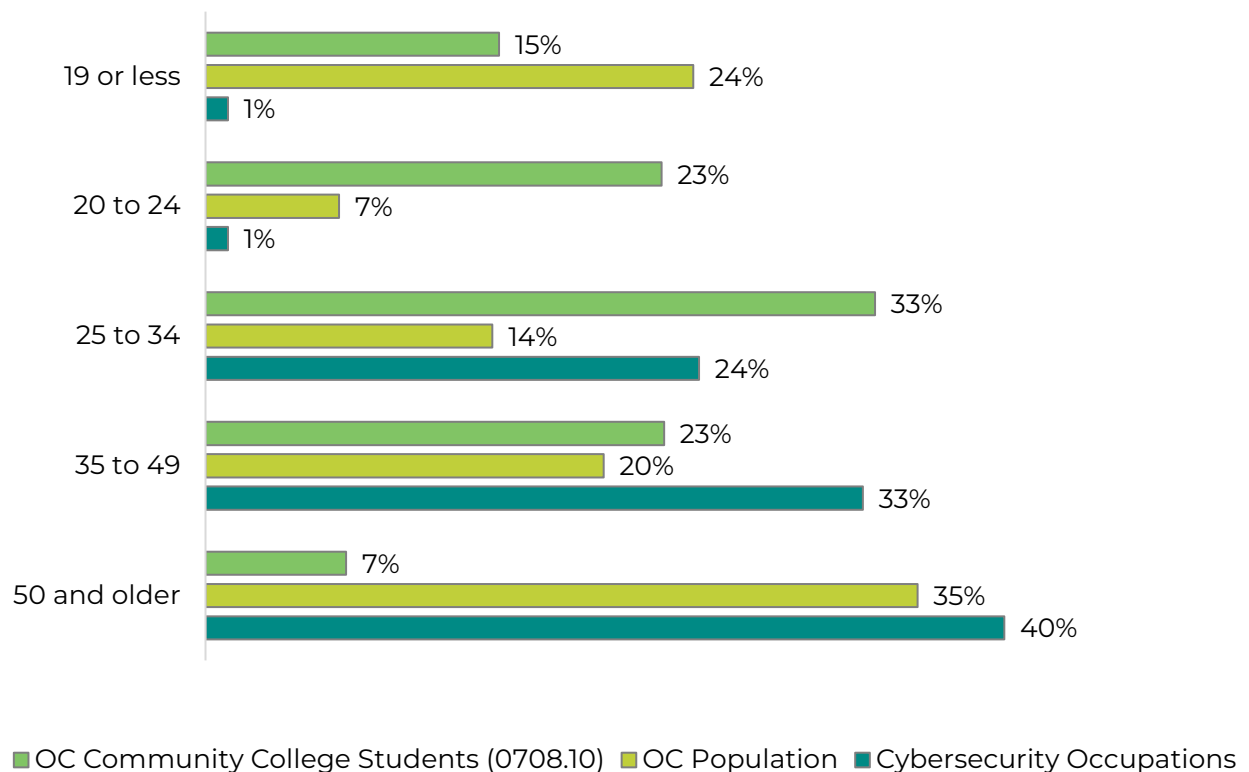
Age:

Exhibit 16 compares the age of Orange County community college students enrolled in computer networking programs, the overall Orange County population, and occupation-specific data for the three cybersecurity occupations included in this report.

Nearly 40% of workers in these cybersecurity occupations are aged 50 and older, which is higher than the population (35%) and significantly higher than community college computer networking students (7%).

Examining disaggregated data for each occupation (not shown), the occupation with the highest percentage of workers aged 34 or younger is *property, computer network support specialists* (33%), which requires an associate degree and entry-level wages of all three cybersecurity occupations. Conversely, the occupation with the highest percentage of workers aged 35 and older is *computer network architects* (94%). This occupation also requires a bachelor's degree and has the highest entry-level wages of all three cybersecurity occupations.

Exhibit 16: Program and County Demographics by Age



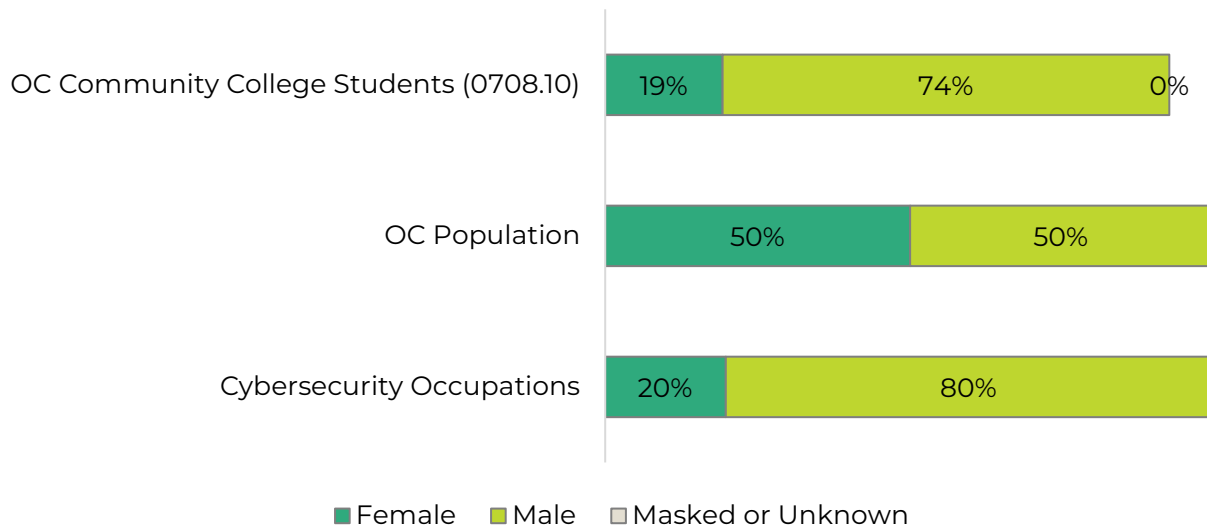
Sex:

Exhibit 17 compares the sex of Orange County community college students enrolled in computer networking programs, the overall Orange County population, and occupation-specific data for these cybersecurity occupations.

Though the population is split evenly between women and men, only 19% of community college computer networking students and 20% of workers in the field are women.

Examining disaggregated data for each occupation (not shown), the highest percentage of women are *network and computer systems administrators* (24%), followed by *computer network support specialists* (20%), and *computer network architects* (12%). *Network and computer systems administrators* requires a bachelor's degree and has the second highest entry-level wages of all three cybersecurity occupations.

Exhibit 17: Program and County Demographics by Sex



Appendix A: Methodology

OC COE prepared this report by analyzing occupational and educational program data. Occupational data comes from Lightcast, a labor market analytics firm which compiles information from the California Employment Development Department (EDD), U.S. Bureau of Labor Statistics (BLS), and other agencies. Analysis of emerging occupations is predicated on online job postings data combined with Occupational Information Network (O*NET) profile descriptions. Program supply data was sourced from the California Community Colleges Chancellor's Office Data Mart (MIS Data Mart) (datamart.cccco.edu) and the Integrated Postsecondary Education Data System (nces.ed.gov/ipeds/use-the-data), also known as IPEDS, which was integrated into the COE's Supply Table. (IPEDS).

Using a TOP-SOC crosswalk, the OC COE identified middle-skill jobs for which programs within these TOP codes train. Middle-skill jobs include:

- All occupations that require an educational requirement of some college, associate degree or apprenticeship;
- All occupations that require a bachelor's degree, but also have more than one-third of their existing labor force with an educational attainment of some college or associate degree; or
- All occupations that require a high school diploma or equivalent or no formal education, but also require short- to long-term on-the-job training where multiple community colleges have existing programs.

The OC COE determined labor market supply for each occupation (SOC code) by analyzing the number of 3-year average program completers or awards in related TOP and CIP codes. TOP code data comes from MIS Data Mart and CIP code data comes from the IPEDS. The TOP is a system of numerical codes used at the state level to collect and report information on California community college programs and courses throughout the state that have similar outcomes. CIP codes are a taxonomy of academic disciplines at institutions of higher education throughout the United States and Canada. The California Community Colleges are the only system that use TOP codes.

The analysis reflects labor market demand for occupations closely related to the proposed program as expressed by the requesting college in consultation with the OC COE. assess current and projected employment based on data trends for detailed occupations, as well as annual average awards granted by regional postsecondary educational institutions. Real-time labor market information (online job postings) assesses employer preferences but cannot be used to measure the quantity of open positions, number of jobs, or annual openings.

All findings are based on the most current available data and a combination of primary and secondary sources. While care was taken to ensure accuracy, the OC COE, its host district, and the California Community Colleges Chancellor's Office are not responsible for individual decisions made based on this report.

Appendix B: Data Sources

Data Type	Source
Occupational Projections, Wages, and Job Postings	Traditional and real-time labor market information are captured using data from Lightcast , a labor market analytics firm.
Living Wage	Per the CCCCCO's this report's endorsement criteria uses the University of Washington's Center for Women's Welfare Self-Sufficiency Standard last updated in March 2024, which is \$27.13 per hour (\$57,294 annually) in Orange County. The MIT Living Wage, updated on February 10, 2025, is a nationally recognized living wage metric and is provided for reference. The current MIT Living Wage in Orange County is \$32.20.
Typical Education and Training Requirements, and Educational Attainment	The Bureau of Labor Statistics (BLS) uses a system to assign categories for entry-level education, work experience in a related occupation, and typical on-the-job training to each occupation for which BLS publishes projections data.
Emerging Occupation Descriptions, Additional Education Requirements, and Employer Preferences	The O*NET database includes information on skills, abilities, knowledges, work activities, and interests associated with occupations.
Educational Supply	The CCCCCO Data Mart provides information about students, courses, student services, outcomes and faculty and staff. The National Center for Education Statistics (NCES) Integrated Postsecondary Integrated Data System (IPEDS) collects data on the number of postsecondary awards earned (completions).
Student Metrics and Demographics	Data Vista , a statewide data system supported by the California Community Colleges Chancellor's Office provides data on progress, success, employment, and earnings outcomes for California community college students.
Population and Occupation Demographics	The Census Bureau's American Community Survey (ACS) is the premier source for detailed population and housing information. Data is sourced from IPUMS USA, a database providing access to ACS and other Census Bureau data products.

For more information, please contact the Orange County Center of Excellence:

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FOR LABOR MARKET RESEARCH

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