



1313 Park Boulevard, San Diego, California 92101 | 619.388.3400 | www.sdcity.edu

BACHELOR'S DEGREE IN CYBER DEFENSE AND ANALYSIS

SAN DIEGO CITY COLLEGE

Established in 1914, as the first community college in San Diego and the fifth in California, San Diego City College provides access to a world-class education and social/economic mobility for our community for more than 108 years.

San Diego City College acknowledges that we gather on unceded Kumeyaay land. We value Indigenous knowledge and cultural worldview.

The 60-acre urban campus is located in downtown San Diego. The college is a short walk from the City College Trolley Station, world-renowned Balboa Park, the Gaslamp Quarter, Petco Park, and the San Diego Bay.

CAMPUS LOCATION: Urban

FOUNDED: 1914

ENROLLMENT: 21,835



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DREAM BIG AT CITY COLLEGE!

San Diego City College is one of the most innovative and socially active community colleges in the nation. City College is an urban community college serving the 8th largest city in the nation. We lead efforts to improve completion, success, social justice, and equity for a diverse student body of 21,835 unduplicated students annually.

The college is home to the first Sustainable Urban Agriculture program of its kind in the region, including an acre of farmland that serves as a classroom that feeds deserving students. The college has programs for justice impacted students, Black and

Latino males, foster youth, veterans, LGBTQIA+, basic needs, and other non-traditional college students. City's Institute of Human Development opens doors into the community through its Child Development, Community Health Work, Youth Development Work, Peace Studies, and Mental Health programs. The college's annual budget is well over \$150 million with public and grant funding. City College has nearly 1000 employees with 300 being full-time.

City College is intentional in ensuring that the campus reflects our rich and diverse urban community. Of the 13,243 students enrolled in fall 2021, 46% were Latinx, 11% were Asian, 9% were African American. 36% of student were the first in their families to attend college. In 2021-22, the college awarded 1,374 degrees and certificates.

SB-850 - BACHELOR'S DEGREES IN CALIFORNIA COMMUNITY COLLEGES

- CCC Legal Counsel determined that San Diego City College's bachelor program **does not duplicate** any major found at a UC/CSU.
- Many San Diego City College students can't go to UC/CSU.
- Labor market statistics for San Diego call for nearly 3,000 workers annually.
- 61% of students enrolled in a CC BA program would not attend a UC/CSU.
- Local UC/CSUs are turning away community college students for admission.
- California community college's expansion of bachelor's degrees is limited compared to other state like FL, NY, and TX.
- This is a matter of **Educational Equity** and **Social Justice**.

SB 850 - Public Postsecondary Education: Community College Districts: Baccalaureate Degree Pilot Program, Section 1(e): These baccalaureate programs will be limited and will not detract from the community colleges' mission to advance California's economic growth and global competitiveness through education, training, and services that contribute to continuous workforce improvement, nor will the programs unnecessarily duplicate similar programs offered by nearby four-year institutions.



INDUSTRY NEEDS

In 2020, there were nearly 2.3 million cybersecurity incidents worldwide. In the U.S. alone, there were more than 155 million individuals affected by cyber attacks.

A bachelor's degree in **Cyber Defense and Analysis** is necessary to fulfill the California Community Colleges' mission to provide an affordable and accessible education for ALL Californians to achieve an above livable wage in a high-demand career.

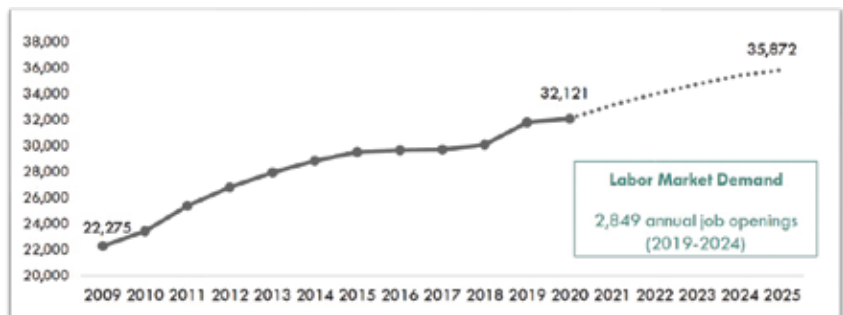
- Entry-level and median wages for cybersecurity careers are above the living wage for San Diego.
- Media pay for Cyber Security is \$103,590.
- Employers posted a minimum of a bachelor's degree for Cybersecurity.
- Between 2020 and 2025, careers in Cybersecurity are projected to increase by 12%.
- Employers in San Diego are projected to hire 2,849 workers annually to fill new jobs and backfill jobs due to attrition caused by turnover and retirement.
- There are nearly 900 cybersecurity companies in San Diego.
- 61% of cybersecurity companies indicated that they intend to increase the number of employees and most employers have trouble hiring qualified workers.

Number of Jobs for Cybersecurity Occupations in San Diego County, 2020-2025

Occupational Title	2020 Jobs	2025 Jobs	2020 - 2025 Net Jobs Change	2020-2025 % Net Jobs Change*	Annual Job Openings* (Demand)
Software Developers and Software Quality Assurance Analysts and Testers	21,101	23,836	2,735	13%	1,908
Computer User Support Specialists	5,076	5,566	490	10%	454
Network and Computer Systems Administrators	3,157	3,348	191	6%	226
Information Security Analysts	1,390	1,616	225	16%	142
Computer Network Support Specialists	1,396	1,506	110	8%	119
Total Projected (2020-2025) Annual Job Openings					2,849

*Percentages and numbers are rounded up.

Number of Jobs (Employment) for Cybersecurity Occupations in San Diego County, 2009-2025



Source: Emsi 2021.01; QCEW, Non-QCEW, Self-Employed.