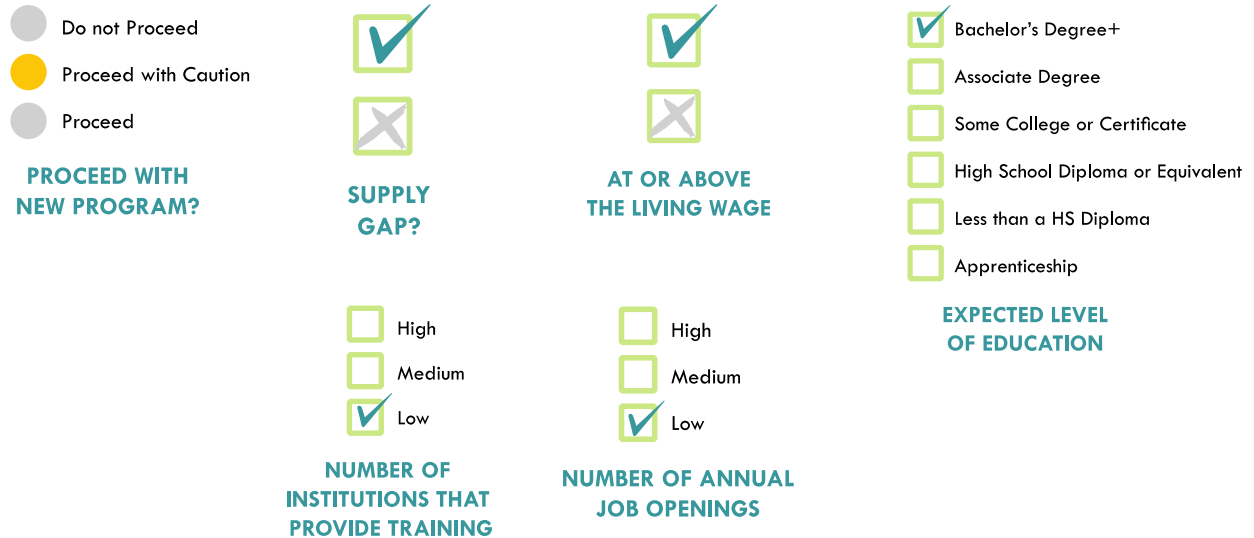


Security Management Occupations

Labor Market Analysis: San Diego County

MARCH 2019

Summary



To determine labor market demand for occupations that could be trained by a *Security Management* program, this labor market analysis reviews online job postings data top employers, earnings, job titles, education, and skills. For the purpose of this report, these occupations are referred to as “Security Management Occupations.” There was an annual average of 161 online postings for *Security Management Occupations* between 2010 and 2018, indicating a small labor market demand. For comparison, the average occupation in San Diego County has 276 online job postings per year during the same period. These occupations’ median earnings are higher than the Self-Sufficiency Standard, suggesting that students who successfully complete a program and obtain employment in a related field may earn a living wage.

If the region’s community colleges were to create a new training program for *Security Management Occupations*, the training should lead to industry-recognized certifications such as Certified Information Systems Security Professional (CISSP), Certified Protection Professional (CPP), and Project Management Professional (PMP).

Introduction

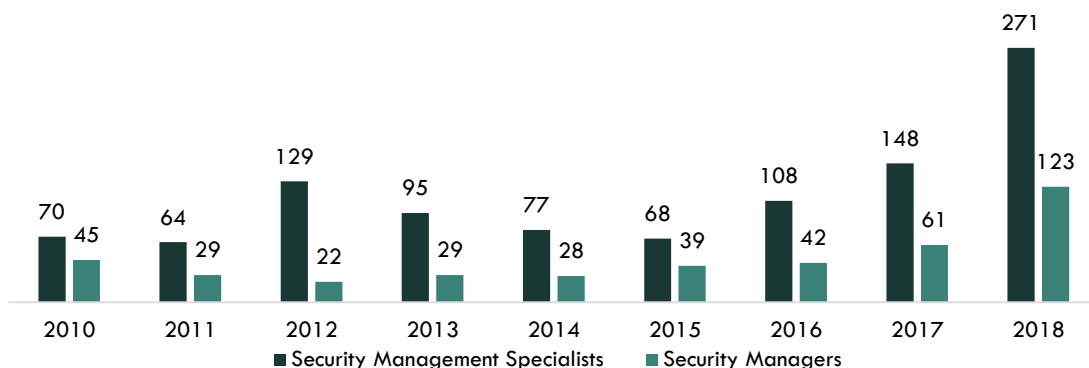
This report analyzes online job postings for two occupations for which an individual could be trained by a *Security Management* program in San Diego County. *Security Management Occupations* are:

- **Security Managers** (SOC¹ 11-9199.07): Direct an organization's security functions, including physical security and safety of employees, facilities, and assets.
- **Security Management Specialists** (SOC 13-1199.02): Conduct security assessments for organizations, and design security systems and processes. May specialize in areas such as physical security, personnel security, and information security. May work in fields such as health care, banking, gaming, security engineering, or manufacturing.

Online Job Postings

Between 2010 and 2018, there was an average of 114 online job postings per year for Security Management Specialists and average of 46 online job postings per year for Security Managers in San Diego County (Exhibit 1).

Exhibit 1: Number of Online Job Postings for Security Management Specialists and Security Managers in San Diego County (2010-2018)²



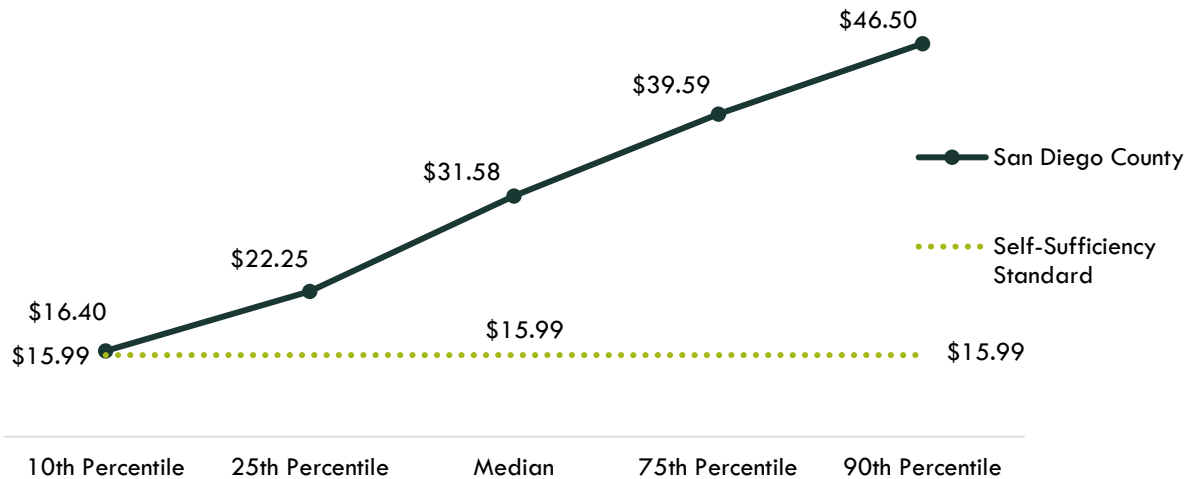
¹ The Standard Occupational Classification (SOC) system is used by federal statistical agencies to classify workers into occupational categories for the purpose of collecting, calculating or disseminating data. [bls.gov/soc](https://www.bls.gov/soc/).

² Burning Glass Technologies. San Diego, CA. Full years 2010-2018.

Earnings

Based on online job postings between January 1, 2016, and December 31, 2018, the median hourly earnings for *Security Management Occupations* is **\$31.58**; this is more than the Self-Sufficiency Standard for a single adult in San Diego County, which is **\$15.99** per hour (Exhibit 2).³

Exhibit 2: Hourly Earnings for Security Management Occupations in San Diego County⁴



Educational Supply

Educational supply for an occupation can be estimated by analyzing the number of awards in related Taxonomy of Programs (TOP) or Classification of Instructional Programs (CIP) codes.⁵ The following TOP and CIP codes have programs that can potentially train for *Security Management Occupations* (Exhibit 3).⁶

Exhibit 3: Related TOP and CIP Codes for Security Management Occupations

Security Management Occupations

TOP 210503: Industrial and Transportation Security

CIP 43.0104: Criminal Justice/Safety Studies

³ The self-sufficiency wage in San Diego for one adult is \$15.99 (insightcced.org/2018-self-sufficiency-standard).

⁴ Burning Glass Technologies. San Diego, CA. Full years 2016-2018.

⁵ TOP data comes from the California Community Colleges Chancellor's Office MIS Data Mart (datamart.cccco.edu) and CIP data comes from the Integrated Postsecondary Education Data System (nces.ed.gov/ipeds/use-the-data).

⁶ There is no exact crosswalk between the SOC and TOP system for the two occupations highlighted in this report: Security Management Specialists and Security Managers. The TOP and CIP codes listed in the exhibit are based on the TOP code selected for the Security Management program offered at Grossmont College.

According to TOP data, **two** community colleges supply the region with awards for these occupations: **Grossmont College and Palomar College**. According to CIP data, **four** non-community college institutions supplied the region with awards in the past; however, the three Brightwood College⁷ campuses are no longer in business in San Diego County (Exhibit 4).

Exhibit 4: Number of Awards (Certificates and Degrees) Conferred by Postsecondary Institutions (Program Year 2013-14 through PY2016-17 Average)

TOP6 or CIP	TOP6 or CIP Title	3-Yr Annual Average CC Awards (PY14-15 to PY16-17)	Other Educational Institutions 3-Yr Annual Average Awards (PY13-14 to PY15-16)	3-Yr Total Average Supply (PY13-14 to PY16-17)
210503	Industrial and Transportation Security	11	0	11
	• Grossmont	5	0	
	• Palomar	6	0	
43.0104	Criminal Justice/Safety Studies	0	77	77
	• Brightwood College - Chula Vista	0	29	
	• Brightwood College - San Diego	0	25	
	• Brightwood College - Vista	0	21	
	• California Miramar University	0	1	
			Total	88

According to the Chancellor’s Office Curriculum Inventory (COCI)⁸, Grossmont College is the only community college in San Diego County that specifically offers a “Security Management” program. Grossmont College’s *Security Management* program is listed under the TOP program title and code, Industrial and Transportation Security (210503). Palomar College offers an “Administration of Justice-Homeland Security” program under TOP 210503, but the program may not necessarily train for *Security Management Occupations*.

⁷ nbcсандiego.com/news/local/brightwood-college-kearny-mesa-chula-vista-closure-education-corporation-of-america-students-502031331.html
⁸ coci2.ccctechcenter.org/programs

Top Employers

Between January 1, 2016, and December 31, 2018, the top employers that posted online job postings in San Diego County for *Security Management Occupations* were [Booz Allen Hamilton](#), [Allied Universal Corporation](#), [US Navy](#), [AlliedBarton Security Services](#), and [General Atomics](#) (Exhibit 5).⁹

Exhibit 5: Top Employers in Online Job Postings for *Security Management Occupations* in San Diego County

Top Employers
<ul style="list-style-type: none">• Booz Allen Hamilton Inc.• Allied Universal Corporation• US Navy• AlliedBarton Security Services• General Atomics

Top Job Titles

Between January 1, 2016, and December 31, 2018, the top five job titles for *Security Management Occupations* in San Diego County's online job postings were [Security Specialist](#), [Security Manager](#), [Security Analyst](#), [Security Supervisor](#), and [Security Consultant](#) (Exhibit 6).

Exhibit 6: Top Job Titles in Online Job Postings for *Security Management Occupations* in San Diego County ¹⁰

Top Job Titles	
<ul style="list-style-type: none">• Security Specialist• Security Manager• Security Analyst• Security Supervisor• Security Consultant	<ul style="list-style-type: none">• Security Administrator• Physical Security Specialist• Compliance Analyst• Security Compliance Analyst• Security Operations Analyst

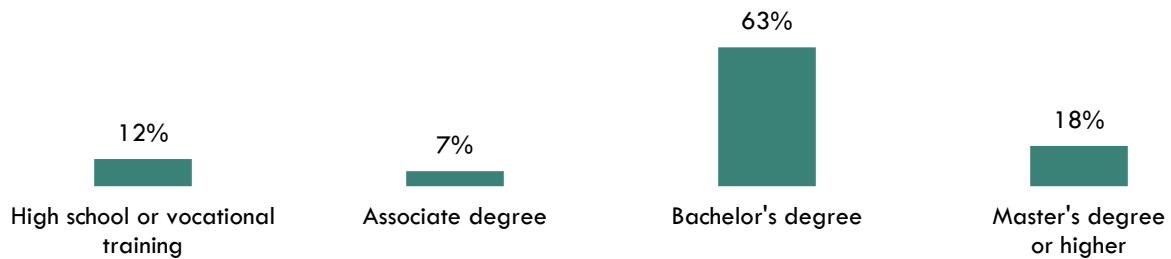
⁹ Burning Glass Technologies. San Diego, CA. Full years 2016-2018.

¹⁰ Labor Insight Jobs. Burning Glass Technologies. San Diego, CA. Full years 2016-2018.

Education

Based on online job postings between January 1, 2016 and December 31, 2018, the top listed educational requirement for the two *Security Management Occupations* is a [bachelor's degree](#) (Exhibit 7).

Exhibit 7: Educational Requirements for Security Management Occupations in San Diego County¹¹



Top Skills

Exhibit 8 lists the top specialized, soft, and software skills that appeared in online job postings between January 1, 2016 and December 31, 2018.

Exhibit 8: Top Skills in Online Job Postings for Security Management Occupations in San Diego County¹²

Specialized Skills	Soft Skills	Software Skills
<ul style="list-style-type: none"> • Scheduling • Staff Management • Project Management • Budgeting • Customer Service 	<ul style="list-style-type: none"> • Communication Skills • Planning • Writing • Computer Literacy • Physical Abilities 	<ul style="list-style-type: none"> • Microsoft Excel • Microsoft Word • Microsoft PowerPoint • SAP • Vulnerability Assessment

¹¹ Bureau of Labor Statistics, Educational attainment for workers 25 years and older by detailed occupation. [bls.gov/emp/ep_table_111.htm](https://www.bls.gov/emp/ep_table_111.htm).

¹² Labor Insight Jobs. Burning Glass Technologies. San Diego, CA. Full years 2016-2018.

Top Certifications

The top five certifications for *Security Management Occupations* between January 1, 2016 and December 31, 2018 are Security Clearance, Driver's License, Certified Information Systems Security Professional, Project Management Certification, and First Aid CPR (Exhibit 9).

Exhibit 9: Top Certifications in Online Job Postings for *Security Management Occupations* in San Diego County¹³

Top Certifications (Number of Online Job Postings)

- Security Clearance (288)
- Driver's License (99)
- Certified Information Systems Security Professional (CISSP) (57)
- Project Management Certification (50)
- First Aid CPR (42)
- CompTIA Security+ (42)
- Project Management Professional (PMP) (40)
- Certified Protection Professional (CPP) (18)

Prepared by:

Tina Ngo Bartel, Director

John Edwards, Research Analyst

San Diego-Imperial Center of Excellence for Labor Market Research

tngobartel@miracosta.edu

jedwards@miracosta.edu



Important Disclaimers

All representations included in this report have been produced from primary research and/or secondary review of publicly and/or privately available data and/or research reports. This study examines the most recent data available at the time of the analysis; however, data sets are updated regularly and may not be consistent with previous reports. Efforts have been made to qualify and validate the accuracy of the data and the report findings; however, neither the Centers of Excellence for Labor Market Research (COE), COE host district, nor California Community Colleges Chancellor's Office are responsible for the applications or decisions made by individuals and/or organizations based on this study or its recommendations.

¹³ Labor Insight Jobs. Burning Glass Technologies. San Diego, CA. Full years 2016-2018.