



Cybersecurity

LEARN TODAY. SECURE TOMORROW.

Secure the Systems We Depend On

Prepare for an in-demand career in information security with expert-led training. Build skills in ethical hacking, secure coding, network defense, and cloud security through hands-on learning aligned with industry standards. Earn your Associate of Science Degree in Applications or Infrastructure Security in just two years, with flexible Friday classes and real-world experience through internships and labs. Based in the Bay Area, you'll train where cybersecurity jobs are booming, with over 200,000 openings nationwide and many right here at home. **Kickstart your digital journey today!**

START HERE



HIGH SCHOOL STUDENTS - GET A HEAD START WITH DUAL ENROLLMENT!

Talk to a Counselor for more information.

Certificate of Achievement (CA)

Infrastructure Security

27-30 units

Required courses:

- ❑ CIS 052 Cloud Security Fundamentals (3 units)
- ❑ CIS 053 Intrusion Detection In-Depth: Compliance, Security, Forensics and Troubleshooting (3 units)
- ❑ CIS 054 IT Security Goals, Strategy, Policy, and Leadership (3 units)
- ❑ CIS 055 Hacker Techniques, Exploits, and Incident Handling (3 units)
- ❑ CIS 058 Hacker Guard – Baseline Training for IT Administrators and Operations (3 units)
- ❑ CIS 060 Computer Forensics Fundamentals (3 units)
- ❑ CIS 072 Systems and Network Administration (3 units)



Certificate of Achievement (CA)

Applications Security

27-30 units

Required courses:

- ❑ CIS 054 IT Security Goals, Strategy, Policy, and Leadership (3 units)
- ❑ CIS 055 Hacker Techniques, Exploits, and Incident Handling (3 units)
- ❑ CIS 056 Secure Coding in Java and .NET (3 units)
- ❑ CIS 057 Web Application PEN Testing (3 units)
- ❑ CIS 059 Applications in Information Security (3 units)
- ❑ CIS 060 Computer Forensics Fundamentals (3 units)
- ❑ CIS 071 Introduction to Information Systems Security (3 units)



For either certificate you must select one elective from each column

Choose 3-5 units from this list:

- ❑ **CIS 005 Introduction to Computer Science (5 units) DE opportunity!**
- ❑ CIS 006 Introduction to Computer Programming (5 units)
- ❑ CIS 007 Control Structures and Objects (4 units)
- ❑ CS 020 Python Application Programming (3 units)

Choose 3-4 units from this list:

- ❑ CIS 051 Introduction to Information Technology Project Management (4 units)
- ❑ CIS 098 Database Programming with SQL (4 units)
- ❑ CIS 178 Build Automation for DevOps and QA (4 units)
- ❑ CIS 221 Cyber Safety, Online Identity, and Computer Literacy (1-3 units)
- ❑ CIS 247 Information Systems Skills Challenge (1-4 units)
- ❑ COPED 469 Work Experience in Security Administration (1-4 units)

Associate in Science Degree (AS)

Infrastructure Security

60 units



Associate in Science Degree (AS)

Applications Security (Software)

60 units



Degrees are awarded upon the satisfactory completion of the major course and General Education requirements.



Certificates can stand alone or stack toward advanced credentials. Arrows show where stacking options or connections exist.



The short two years I spent in the program quite literally changed the trajectory of my life. No matter who you are, what age you are, what your life is at this point, you could be a part of tech too.

Sabrina Weir, Security Engineer at a Bay Area startup



Nationally Ranked Career

Information and Security Analysts are ranked among the **top careers nationwide** for job openings and growth through 2032.

High demand. Fast growth. Real impact.

careeronestop.org



INFORMATION SECURITY ANALYSTS EARN A MEDIAN YEARLY WAGE OF:

\$160,320

in San Francisco, Oakland, Hayward, CA Metro Area

\$135,250

in California

\$120,360

in the United States



Choose from Two Learning Tracks

Each one starts with computer science and security fundamentals and gradually advances to topics such as secure coding and hacking.



Infrastructure Security

Design, implement, and manage secure IT systems by addressing operational threats, conducting assessments and investigations, and ensuring compliance with security policies and emerging technologies.



Applications Security

Secure applications by designing, implementing, and managing systems that prevent, detect, and respond to threats—while ensuring compliance, conducting assessments, and supporting security across projects and policies.

Cybersecurity: A Career That Secures Your Future



Rapid Industry Expansion

Cybersecurity roles are projected to grow by 26%, creating strong job security and a wealth of opportunities.



Top-Tier Salaries

Earn high wages early and unlock six-figure potential as you advance.



Career Mobility

Climb the ladder to roles like Security Architect or CISO.



In-Demand Skills

Every industry needs cybersecurity experts—your skills will always be needed.

CyberCamp is a free, two-week intro to cybersecurity for middle schoolers, high schoolers, and adults—taught by college faculty using the nationally-recognized CyberPatriot program. Explore hacking prevention, system hardening, and more with team competitions and awards!

Learn more: bdbrooks@peralta.edu



Get Started on Your Future Today

Scan the QR code or visit
www.merritt.edu to apply.



Merritt College puts students first.

For decades, it has stood at the intersection of social justice, community empowerment, and career-focused education—expanding opportunity for underrepresented communities and supporting pathways into meaningful, living-wage careers. Whether you're switching professions, building new skills, or aiming for a promotion, Merritt's Career Education programs help you reach your goals through hands-on training, immersive career exploration, and support tailored to every student—especially working adults.

Our programs prepare students for licensure and certifications with strong pass rates and are aligned with high-demand jobs in the Bay Area and beyond. It's never been easier to complete a certificate, earn an Associate's degree, or prepare to transfer to a CSU or other four-year university. With flexible class times—morning, evening, and online—and services like counseling, the Learning Center, EOPS, and Student Accessibility Services (SAS), Merritt meets you where you are.



Meet with a Counselor early and often!

Whether you're enrolling in classes, exploring career options or navigating personal challenges, Counselors have your back! Counselors are available through scheduled appointments, remote drop-ins, and e-counseling (for specific needs).



Visit merritt.edu/counseling/ to learn more, or contact a dedicated Career Education Counselor at MCCareerEd@peralta.edu