

Expand your IT career into

Cyber Security

To get into Cyber Security position, you will likely need some prior IT experience. After taking some classes, earning corresponding industry certifications and getting some IT work experience you can expand in to Cyber Security.

Getting your foot in the door early is important so you can start working your way up in the industry. Earn more certifications, and get promoted while you work toward your degree.

Where can an education in Cyber Security lead?

Forensics Investigator	\$99,457
Data Security Analyst	\$113,500
System Security Administrator	\$105,500
Network Security Administrator	\$103,250
Network Security Engineer	\$110,250
Information Systems Security Manager	\$129,750
Security Consultant	\$101,290

Salaries given are averages and more experience or education may be required.

New to IT?

Find out how to start your career with the IT Technician brochure, also available on our webpage.

Contact Us

Sierra College CIS Department
5100 Sierra College Blvd.
Rocklin, CA 95677

(916) 624-3333

cis@sierracollege.edu

 [facebook.com/cisprogram](https://www.facebook.com/cisprogram)

 [linkedin.com/groups/7052489](https://www.linkedin.com/groups/7052489)

www.sierracollege.edu/CIS

COMPUTER INFORMATION SYSTEMS DEPARTMENT

Cyber Security

Education Options



Information Assurance Technician (Level 1) Skills Certificate

This two-class skills certificate aligns with Department of Defense Directive 8570.1 for achieving Information Assurance Technician Level 1 (IAT-1) status.

- CIS 65 Computer Network Fundamentals
- CIS 141 Installing, Configuring and Administering a Client OS

Information Assurance Technician (Level 2) Skills Certificate

This two-class skills certificate aligns with Department of Defense Directive 8570.1 for achieving Information Assurance Technician Level 2 (IAT-2) status.

- CIS 142 Systems and Network Administration or CSCI 50 Introduction to Unix/Linux
- CIS 147 Introduction to Information Systems Security

Information Assurance and Cyber Defense Skills Certificate

This four-class skills certificate provides specific knowledge and skills for entry-level cyber security professionals identified by the Department of Homeland Security (DHS) and the National Security Agency (NSA).

- CIS 65 Computer Network Fundamentals
- CIS 142 Systems and Network Administration
- CIS 147 Introduction to Information Systems Security
- CSCI 12 Programming Concepts and Methodology I

Computer Information Systems—Networking and Security Certificate

You may bypass the General Ed and just take all the required Networking and Security courses to earn a CIS Networking and Security Certificate.

Required classes:

- CIS 62, CIS 65, CIS 141, CIS 142, CIS 147, CIS 152
- Plus 9-10 units from the following:**
- CIS 66, CIS 88, CIS 90, CIS 95, CIS 136, CIS 148, CIS 149
- CIS 151, CSCI 12 or CSCI 50.



Computer Information Systems—Networking and Security AA or AS Degree

- CIS 62 Business Information Systems
- CIS 65 Computer Network Fundamentals
- CIS 141 Installing, Configuring and Administering a Client OS
- CIS 142 Systems and Network Administration
- CIS 147 Introduction to Information Systems Security
- CIS 152 Introduction to Cybersecurity: Ethical Hacking

Plus 9-10 units from the following:

- CIS 66 Routing and Switching Essentials
- CIS 88 Computer Forensics Fundamentals (also ADMJ 0088)
- CIS 90 Database Management
- CIS 95 Internship in Computer Information Systems
- CIS 136 Project Management Concepts and Software
- CIS 149 Database Administration in a Client/Server Environment
- CIS 151 Information Storage and Management
- CSCI 12 Programming Concepts and Methodology I
- CSCI 50 Introduction to Unix/Linux

AND Complete the Sierra College general education courses.

(Catalog Year 2017-2018)

“Before we covered information security in class, I hadn’t realized how vulnerable my wireless network was. This made me aware of how to add security to an existing network as well as how to properly setup a new one.”

CIS 62 Student

