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

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(916) 624-3333

cis@sierracollege.edu

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in linkedin.com/groups/7052489

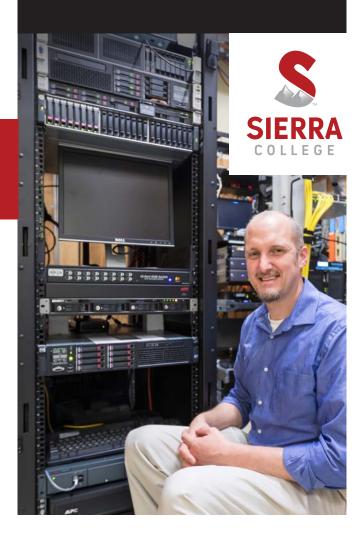
www.sierracollege.edu/CIS

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.

"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."





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)