

# NETWORKING AND CYBERSECURITY (CERTIFICATE)

Department: Information Technology (<https://snow-next.courseleaf.com/divisions-departments/division-business-technical-education/information-technology/>)

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Advising Information (<https://snow.edu/offices/advisement/>)

## Program Description

Snow College Computer Information Systems provides an engaging learning environment that prepares students for employment in the computer networking field through current, rigorous, and hands-on learning activities. Computer Information Systems covers a broad range of career opportunities. Companies large and small need employees skilled in CIS-related specialties, resulting in extensive options for a successful career.

The beauty of computer information systems is that you can choose your specialty in a demanding career field where there are ample career opportunities to choose from.

If you enjoy computers, are interested in the inner workings of a network, and would like to learn how to protect a network from cyberattacks, a career in Computer Networking and Cybersecurity is for you. These fields are fast-paced and always evolving. To be successful, you don't just need to learn the current technologies, you need the skills to help you stay current.

## Program Outcomes

A student who completes the Networking and Cybersecurity certificate will be able to do the following.

- Develop and demonstrate skills required for positions in Information Technology Cybersecurity.
- Demonstrate knowledge, skills, and abilities aligning with standards for industry certifications.
- Install, configure, maintain, and troubleshoot common hardware and software.
- Install, configure, maintain, and troubleshoot operating systems.
- Design, implement, and manage scalable networks.
- Identify advanced security threats and implement best practices to mitigate risks.
- Demonstrate effective verbal and written communication using industry specific terminology.

## Requirements

### Certificate Requirements

Code	Title	Hours
Information Technology Technical Certificate ( <a href="https://snow-next.courseleaf.com/programs/information-technology-cer/#requirementstext">https://snow-next.courseleaf.com/programs/information-technology-cer/#requirementstext</a> )		20
TEIT 1400	Introduction to Cloud	2
TEIT 1500	Introduction to Scripting	1
TEIT 2200	Security+	4
TEIT 2310	Cybersecurity Essentials	3
<b>Total Hours</b>		<b>30</b>