

Cybersecurity & Computer Networks



Prepare for evolving technology with a specialized skill set, complete with communication proficiency.



The Associate in Applied Science degree program combines system administration fundamentals with a foundation in cybersecurity concepts. Classes focus on best practices to implement, administer, and secure operating systems as well as computer networks.

Enhance Your Career:

- ✓ Keep up with the most recent technology changes
- ✓ Flexible to fit your schedule
- ✓ Industry qualified instructors
- ✓ Align to your tuition reimbursement program
- ✓ Prepares you for industry job opportunities

Benefits:

- ★ Fully accredited
- ✂ Completely transferable
- 🎓 Credit for your experience
- \$ Tuition savings

Enhance Your Company Training:

- ✓ Leverage cutting edge learning tools
- ✓ Accelerate development from within
- ✓ Standardize across regional/national footprint
- ✓ Qualified instructor led and industry- approved
- ✓ Align to your tuition reimbursement program
- ✓ Content developed by industry, for industry

Cybersecurity & Computer Networks



- ✓ Bismarck State College's online Associate of Applied Science curriculum contains core classes in computer hardware, Windows, Linux, networking and security. Classes include database, web design and basic programming/ scripting.
- ✓ Successful Cybersecurity & Computer Networks students have aptitude in critical thinking, problem solving and troubleshooting, inquisitiveness and adaptability.
- ✓ Students will learn highly marketable technical skills and have the knowledge to meet the ever-changing technologies used in business and industry.
- ✓ Graduates will have gained experience installing operating systems, configuring networks, managing servers, and performing other common system administration tasks while maintaining essential security practice.

Core Classes:

CIS 128	Microcomputer Hardware I	CIS 214	Implementing a Microsoft Windows Active Directory Infrastructure
CIS 147	Principles of Information Security	CIS 267	Intermediate Networking I
CIS 212	Microsoft Windows Operating System Client	CIS 274	Cybersecurity Operations)
CIS 164	Networking Fundamentals I (Required)	CIS 223	Linux System Administration
CIS 165	Networking Fundamentals II	CIS 268	Intermediate Networking II
CIS 185	Introduction to Programming	CIS 269	Cybersecurity and Computer Networks Capstone
CIS 216	Implementing a Microsoft Windows Network Infrastructure	CIS 197/297	Cooperative Education/Internship
CIS 255	Computer and Network Security	CIS 282	Ethical Hacking and Network Defense
CIS 107	Linux Fundamentals		

EPCE also offers online education in:

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|--------------------------|-------------------------------------|-----------------------------|
| ✓ Electric Power | ✓ Electrical Engineering Technology | ✓ Smart Grid |
| ✓ Nuclear Power | ✓ Information Technology | ✓ Industry Courses |
| ✓ Electrical Engineering | ✓ Power Systems | ✓ Instrumentation & Control |
| ✓ Technology Management | ✓ Cybersecurity | |

For more information about EPCE's other offerings, visit: www.epceonline.org

EPCE is a signature initiative of CAEL, the Council for Adult & Experiential Learning. Learn more at: www.cael.org.