Pine Technical & Community College

Cyber Security

• Associate of Applied Science
• Diploma

The Cyber Security diploma and AAS provides students training in the technologies, theories, and skills used in cyber operations and computer security. Students learn about legal issues governing the authorized conduct of cyber operations, how to properly install, configure, manage, and monitor various operating systems and security appliances. Additionally, students get hand's on with design, installation, configuration, and troubleshooting multiple types of information technology networks and systems. At the conclusion of the program, students can be immediately employed, or transfer to pursue a bachelor's degree in information assurance or cybersecurity.

Recommended Course Sequence for Completion in 2 Years

Fall Semester 1
CSEC 1300 Cybersecurity Essentials 2
COCP 1250 Computer Hardware Support 3
COCP 1209 Workstation Operating Systems 3
COCP 1213 Introduction to Programming 3
COCP 1220 Network Administration 1 3
Total Credits **14**

Spring Semester 1
COCP 1211 Network Security 3
COCP 1221 Network Administration 2 3
COCP 1251 Computer Software Support.............................3
MATH 1260 College Algebra
   or MATH 1256 Mathematical Thinking 3
MnTC Goal Area 9...3
Total Credits **15**

Fall Semester 2
CSEC 2320 Advanced Network Defense 3
CSEC 2310 Network Intrusion..3
COCP 1253 MS Server Operating System 3
ENGL 1276 College Composition 4
MnTC Goal Area 3 - BIOL 3
Total Credits **16**
Cyber Security Diploma Earned!

Spring Semester 2
COCP 2230 Linux Administration..3
COCP 2258 Project Management 3
CSEC 2313 Firewalls & VPNs..3
BUSN 1110 Introduction to Business..................................3
MnTC Goal Area 5 - HIST/PSYC 3
Total Credits **15**

TOTAL DEGREE CREDITS 60
Cyber Security AAS Earned!

Career Outlook

Employment of information security analysts is projected to grow 33 percent from 2020 to 2030, much faster than the average for all occupations.

Demand for information security analysts is expected to be very high. Cyberattacks have grown in frequency, and analysts will be needed to come up with innovative solutions to prevent hackers from stealing critical information or creating problems for computer networks.

pine.edu/apply

320.629.5100 • 800.521.7463

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Get the Credit You Deserve!

What is Credit for Prior Learning (CPL)?

Pine Technical & Community College (PTCC) values learning that happens outside of the classroom. Many students enrolling at PTCC bring with them a wealth of knowledge and real-world experiences that can be turned into college credit.

Ways students can gain Credit for Prior Learning:

- Job skills and work experience
- Employer training programs
- Volunteer or community services
- Self-study
- Military education and occupations
- Industry certifications
- High school articulate college credit
- Standardized exams

Earning Credit for Prior Learning is Easy

1. Visit the CPL website at **mycpl.minnstate.edu** to see a full list of eligible courses, requirements, and assessment methods to determine if CPL is right for you.
2. Reach out to records@pine.edu to discuss CPL opportunities, payment (if required), and assessment information.

New to PTCC? Visit Campus!

- Take a campus tour
- Learn about scholarships
- Meet the admissions team
- Tour housing and The REC

Book an appointment to explore PTCC!

Sign up to visit in person, or virtually, to learn more about PTCC programs, admissions requirements, housing options, and more.

pine.edu/visit