



Pine Technical & Community College

CYBER SECURITY

Protect critical network systems and defend digital infrastructure. PTCC's Cyber Security AAS program prepares students to secure networks, monitor systems, and respond to cyber threats using industry-standard tools and technologies. Through hands-on experience with operating systems, network configuration, and defensive security architecture, students build both technical and analytical skills. Graduates are prepared for careers in cybersecurity operations.



COLLEGE CATALOG 2026-27



33 Credits
Earn a Diploma

+



60 Credits
Earns an AAS



\$268 per Credit
on Average



18:1 Student/Instructor
Ratio on Average

Program Delivery Mode: On-Campus Plus

Cyber Security Diploma

(33 credits)

General Education Courses

MATH 1260 College Algebra or MATH 1256 Mathematical Thinking	3
ENGL 1277 Technical Communications or ENGL 1276 College Composition	4

Technical Education Courses

CSEC 1300 Cybersecurity Essentials	2
COCP 1209 Workstation Operating System	3
COCP 1211 Network Security	3
COCP 1213 Introduction to Programming	3
COCP 1220 Network Administration I	3
COCP 1221 Network Administration II	3
COCP 1250 Computer Hardware Support	3
COCP 1251 Computer Software Support.....	3
CSEC 2310 Network Intrusion.....	3
Total Credits	33

Cyber Security AAS

(27 additional credits)

General Education Courses

General Education Electives MnTC Goal Areas (choose two) 3, 5, 9.....	9
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Technical Education Courses

BUSN 1110 Introduction to Business.....	3
COCP 1253 Microsoft Server Operating System	3
COCP 2230 Linux Administration.....	3
COCP 2258 Project Management	3
CSEC 2313 Firewalls & VPN's	3
CSEC 2320 Advanced Network Defense	3
Total Credits	60

Recommended Course Sequence for Completion in 2 Years

First Fall

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 I	3
Total Credits	14

First Spring

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

Second Fall

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.....	3
Total Credits	16

Cyber Security Diploma Earned!

Second Spring

COCP 2230 Linux Administration.....	3
COCP 2258 Project Management	3
CSEC 2313 Firewalls & VPN's	3
BUSN 1110 Introduction to Business.....	3
MnTC Goal Area 5.....	3
Total Credits	15

TOTAL DEGREE CREDITS **60**

Cyber Security AAS Earned!

Career Outlook

Possible Job Titles

- Cybersecurity Analyst
- Information Security Specialist
- SOC Analyst



28%

MN Projected
Growth % (2022-2032)



\$130,700

MN Median Annual
Wage (\$) (approx.)

*Data from ONET & MN DEED

Get the Credit You Deserve!

What is Credit for Prior Learning (CPL)?

PTCC awards college credit for knowledge gained outside the classroom, including work and life experience.

You may qualify through:

- Job skills/work experience
- Employer training
- Military education
- Industry certifications
- Volunteer service
- Self-study
- High school articulated credit
- Standardized exams

Getting Started is Easy:

- Visit mycpl.minnstate.edu to view eligible courses and requirements.
- Contact records@pine.edu for guidance on options, assessments, and any applicable fees.

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.

www.pine.edu/visit



Apply Today!

www.pine.edu/apply

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