

INFORMATION TECHNOLOGY - CYBERSECURITY SPECIALIST

Program Number: 10-151-2

Associate of Applied Science Degree

Campus: Fond du Lac, West Bend, Online

This program is eligible for financial aid (<http://www.morainepark.edu/financial-aid/>)

Become an expert in internet security and enter a complex and quickly-growing career field with the Information Technology - Cybersecurity Specialist program.

About the Program

Cyberattacks are the fastest-growing crime in the U.S., and the complexity of these attacks is alarming. In response, organizations require internal resources to prevent these threats. The Information Technology - Cybersecurity Specialist program prepares students to work as cybersecurity specialists, whose main responsibility is to protect an organization's computer network and systems. They are also skilled at maintaining system security to prevent cyberattacks.

What You'll Learn

Graduates will protect data confidentiality, integrity and availability while learning ways to implement security mechanisms. Emphasis is placed on vigilant security awareness, identifying network threats and deploying appropriate incident responses. Curriculum is aligned with industry recognized standards and prepares students for certification in IT security.

Earn Two Information Technology degrees at once!

With an additional 18 credits, students can earn both the Information Technology - Cybersecurity Specialist and Information Technology - Network Specialist Associate of Applied Science degrees in only five terms (just under two and a half years). Students should follow the Dual Degree Information Technology - Cybersecurity Specialist and Information Technology - Network Specialist program guide.

Earn Three Information Technology degrees at once (3-in-3)!

With an additional 27 credits, students can earn the Information Technology - Cybersecurity Specialist, Information Technology - Network Specialist and Information Technology – Technical Support Specialist Associate of Applied Science degrees in only six terms (three degrees within three years!). Students should follow the Triple Degree Information Technology - Cybersecurity Specialist, Information Technology - Network Specialist and Information Technology – Technical Support Specialist program guide.

Transfer Opportunities

Earn credits at MPTC and transfer to a four-year college to earn your bachelor's degree.

Visit the Transfer Opportunities (<https://www.morainepark.edu/academics/transfer-information/transfer-to-a-four-year-college/>) page for

more information on credit transfer agreements between Moraine Park and four-year colleges, both public and private.

Admission Process

Standard Admissions (<http://www.morainepark.edu/admissions/new-student/how-to-apply-for-admissions/>) steps details

Credit for Prior Learning

Earn college credit outside the classroom through Moraine Park's Credit for Prior Learning (CPL) opportunities. Credit opportunities are available for:

- Previous college coursework from prior institutions
- Military training and experience
- Passing of MPTC or national exams
- Skills or knowledge developed on the job or through other life experiences

Visit MPTC's Credit for Prior Learning (<https://www.morainepark.edu/academics/transfer-information/credit-for-prior-learning/>) page for more information.

Approximate Costs

- \$143.45 per credit (resident)
- \$215.18 per credit (out-of-state resident)
- Online students are not charged out-of-state fees.
- Please refer to Tuition & Fee Information (<https://catalog.morainepark.edu/admissions-registration/tuition-fee-information/>) for additional enrollment fee information.

Financial Aid

Financial Aid is provided to aid eligible associate degree and technical diploma programs with 28 credits or more. Processing can take 4-5 weeks after a student's completed Free Application for Federal Student Aid (FAFSA (<https://studentaid.gov/h/apply-for-aid/fafsa/>)) is received. Visit the Financial Aid (<https://www.morainepark.edu/pay-for-college/financial-aid/>) page to learn more.

Course Requirements

Course	Title	Credits
Semester 1		
103-159	Computer Literacy - Microsoft Office	1
150-107	IT Fundamentals 1	3
150-108	IT Fundamentals 2	3
150-191	Principles of Information Security	3
150-192	Network Security Fundamentals	3
890-101	College 101	2
Credits		15
Semester 2		
150-110	Cloud Computing	3
150-193	Network Attacks and Firewalls	3
150-194	Network Defense and Countermeasures	3
152-172	Web Site Security	3
801-136	English Composition 1	3
809-166	Introduction to Ethics: Theory and Application	3
Credits		18
Semester 3		
150-120	Microsoft Servers	3
150-122	Virtualization	3

151-105	Ethical Hacking	3
154-128	Scripting	3
801-197	Technical Reporting	3
Social Science Course (https://catalog.morainepark.edu/academic-programming/general-education/behavioral-social-science/)		3
Credits		18
Semester 4		
150-115	Emerging Innovations in Technology	3
150-126	Internet of Things	3
151-110	IT Cybersecurity Capstone	3
Mathematics Course (https://catalog.morainepark.edu/academic-programming/general-education/mathematics/)		3
Behavioral Science Course (https://catalog.morainepark.edu/academic-programming/general-education/behavioral-social-science/)		3
Credits		15
Total Credits		66

Program Outcomes

- Identify security strategies
- Implement secure infrastructures
- Conduct security testing
- Analyze security data
- Mitigate risk
- Develop security documentation

Career Opportunities

- Data Security Administrator
- Information Security Specialist
- Information Technology Security Analyst (IT Security Analyst)
- Network Security Analyst

Statewide Median Salary for Recent Graduates

\$42,400