



# IT Cybersecurity Specialist - Associate Degree

Cybersecurity careers are at the forefront of information technology. IT security professionals are needed to prevent hackers from stealing vital data and to protect computer operations. Cybersecurity technologists are responsible for network security infrastructure, security application software, and security monitoring. Typical career opportunities in this field range from firewall administrators to intrusion detection administrators to security technology consultants. Responsibilities can include firewall administration, network security configuration and support, and security monitoring – all focused on developing and maintaining a secure network. Graduates of this associate degree are also prepared to pursue mainstream vendor certifications with additional study.

**Program Code:** 101512

Apply Now

Request Information

**Area of Study:** Information Technology



## Program Costs & Financial Aid

**Tuition: \$10,554, Books: \$316, Supplies:  
\$0**

## Total Approximate Costs

**\$10,870**

This program is eligible for financial aid.

Estimates based on in-state residency.

Learn more about tuition and fees.



## Explore Locations

Offered At:

Green Bay



## Follow Your Path

All credits from the following certificate(s) apply toward this associate degree:  
611504, Networking Pathway Certificate



## Delivery ⓘ

**Day**

**Evening**

**Full-time**

**Online:** Some online courses may be delivered at specific times each week.

**Part-time**

**New Program at NWTCT IT Security Technologist**



How do I get started in this program?

## Requirements for Program Entry

- Apply at [www.nwtc.edu/apply](http://www.nwtc.edu/apply)
- Submit high school, GED, or HSED transcripts and college transcripts (if applicable) to [transcripts@nwtc.edu](mailto:transcripts@nwtc.edu)
- Tip! Our admission advisors will assist you through every step. Have questions? Connect with NWTC Admissions at [start@nwtc.edu](mailto:start@nwtc.edu) or 920-498-5444.

What are my courses?

## Curriculum

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Students following the study plan below will complete the Cybersecurity Associate Degree in the number of semesters shown.

### First Semester

#### 8 Week 1

<u>10890101 - College 101</u>	1
<u>10107107 - Intro to IT</u>	1
<u>10151100 - Intro to Cybersecurity</u>	1

<u>10804133 - Math &amp; Logic</u>	3
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<u>10150177 - Network Essentials</u>	2
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## 8 Week 2

<u>10801136 - English Composition 1</u>	3
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<u>10154150 - Hardware 1</u>	3
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<u>10150200 - Cisco Intro</u>	3
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Semester Total	17
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## Second Semester

### 8 Week 1

<u>10150201 - Cisco Intermediate</u>	3
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<u>10150153 - Linux</u>	3
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<u>10150165 - Microsoft Server 1</u>	3
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### 8 Week 2

<u>10150191 - Intro to PowerShell</u>	1
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<u>10105101 - Career Planning</u>	1
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<u>10151101 - Cyber Forensics &amp; Incident Res</u>	2
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<u>10809172 - Intro to Diversity Studies</u>	3
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Semester Total	16
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## Third Semester

### 8 Week 1

<u>10150185 - Virtualization 1</u>	2
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<u>10150187 - Microsoft Server 2</u>	3
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<u>10150148 - Compliance Fundamentals</u>	1
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## 8 Week 2

<u>10105103 - Career Preparation</u>	1
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<u>10801196 - Oral/Interpersonal Comm</u>	3
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<u>10151103 - Cyber Document &amp; Awareness</u>	2
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<u>10151102 - Python Scripting for Cyber</u>	2
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Semester Total	14
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## Fourth Semester

### 8 Week 1

<u>10150149 - Network Monitoring</u>	2
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<u>10150159 - Linux Security</u>	2
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<u>10150145 - Ethical Hacking</u>	3
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<u>10809159 - Abnormal Psychology</u>	3
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### 8 Week 2

<u>10150147 - Microsoft Security Fundamental</u>	2
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<u>10150176 - Cisco Security</u>	2
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### Full Semester

<u>10151199 - Cybersecurity Career Exp.</u>	2
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Semester Total	16
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<b>Total Credits</b>	<b>63</b>
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- Curriculum Note: The credit for 10-890-101, College 101, is an Institutional

Requirement for graduation. Consequently, it is not part of the program credit requirements.

## Program Outcomes

- Install network hardware including interface cards and cabling
- Create effective user environments using Microsoft and UNIX/LINUX operating systems
- Install and configure network and desktop operating system software
- Install and configure application software
- Exercise structured problem solving techniques
- Develop technical documentation for network configuration and security
- Communicate technical information effectively
- Maintain computer hardware and peripherals
- Implement and configure wide area network (WAN) services
- Detect, analyze, and defend against network and system penetration
- Maintain data, confidentiality, and integrity through data and communication encryption

What careers are in my future?

**50%**

**Graduate Employment**

with 50% in field



## Employment Potential

A graduate of this program will have the potential for employment in the following areas:

- Firewall Administrator
- IDS/IPS Administrator
- Systems Security Analyst

**What's next after graduation?**

## Start here. Finish at a four-year.

NWTC transfer programs are offered through collaborative agreements with our four-year college and university partners. See where your associate degree credits will transfer.

**What else do I need to know about the program?**

## Study Abroad Opportunities

The International Programs staff continually seeks opportunities for students to travel abroad for educational experiences that may be offered in association with program courses.

Learn more about upcoming study abroad opportunities.

## Defy expectations and follow your passion

Dream jobs have nothing to do with gender. Discover the benefits of nontraditional occupations.

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