



**10-151-2 INFORMATION TECHNOLOGY - CYBERSECURITY SPECIALIST**  
**2020-21 PROGRAM CURRICULUM CHECKLIST**  
**NORTHWOOD TECHNICAL COLLEGE**  
**ASHLAND\*, NEW RICHMOND, RICE LAKE, SUPERIOR\***  
 Full program available at the New Richmond or Rice Lake campus  
 \*Only first-year coursework available at the Ashland or Superior campus



Name/ID \_\_\_\_\_

Date \_\_\_\_\_

CATALOG NUMBER	COURSE TITLE	HOURS PER WEEK	CREDITS	IT – NETWORK TECHNICIAN TECHNICAL DIPLOMA (30-150-4)	IT – CYBERSECURITY SPECIALIST ASSOCIATE DEGREE (Financial Aid Eligible)	DATE COMPLETED	TRANSFER OR GRADE
<b>FIRST TERM</b>							
10150111	Cisco CCNA 1 Introduction to Networks	5 hours per week	3 credits	IT - Network Technician	IT - Cybersecurity Specialist		
10150139	IT Essentials and Security	3 hours per week	2 credits	IT - Network Technician	IT - Cybersecurity Specialist		
10154149	Windows Operating Systems	4 hours per week	3 credits	IT - Network Technician	IT - Cybersecurity Specialist		
10804123 or 10804113 or 10804133	Math with Business Applications or College Technical Mathematics 1A or Mathematics and Logic	3 hours per week	3 credits		IT - Cybersecurity Specialist		
10809198	Introduction to Psychology	3 hours per week	3 credits		IT - Cybersecurity Specialist		
	<b>FIRST TERM TOTAL</b>	18 hours per week	14 credits	8 Credits IT-Network Technician	14 Credits IT - Cybersecurity Specialist		



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<b>SECOND TERM</b>							
10150113	Cisco CCNA 2 Routing and Switching Essentials Prerequisite: 10150111 Cisco CCNA 1 Introduction to Networks	4 hours per week	3 credits	IT - Network Technician	IT - Cybersecurity Specialist		
10150117	Server Administration 1 Prerequisite: 10154149 Windows Operating Systems	4 hours per week	3 credits	IT - Network Technician	IT - Cybersecurity Specialist		
10150170	Coding with Python	3 hours per week	2 credits	IT - Network Technician	IT - Cybersecurity Specialist		
10154103	Linux Operating Systems	4 hours per week	3 credits	IT - Network Technician	IT - Cybersecurity Specialist		
10801136	English Composition 1	3 hours per week	3 credits		IT - Cybersecurity Specialist		
10809166 or 10809172 or 10809195	Introduction to Ethics: Theory and Application or Introduction to Diversity Studies or Economics	3 hours per week	3 credits		IT - Cybersecurity Specialist		
	<b>SECOND TERM TOTAL</b>	21 hours per week	17 credits	11 Credits IT-Network Technician	17 Credits IT - Cybersecurity Specialist		

All prerequisite/corequisite courses must be completed with a grade point of 2.0 or better.

Revised 8/4/2020



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<b>THIRD TERM</b>							
10150102	Information Security Prerequisite: 10154103 Linux Operating Systems	4 hours per week	3 credits		IT - Cybersecurity Specialist		
10150109	Wireless Networking and Security Prerequisite: 10150113 Cisco CCNA 2 Routing and Switching Essentials	4 hours per week	3 credits		IT - Cybersecurity Specialist		
10151101	Firewall and VPN Management Prerequisite: 10150113 Cisco CCNA 2 Routing and Switching Essentials	4 hours per week	3 credits		IT - Cybersecurity Specialist		
10150112	Cisco CCNA 3 Enterprise Networking, Security and Automation <i>(Note: formerly titled Cisco CCNA 3 Scaling Networks-title modified effective fall 2021)</i> Prerequisite: 10150113 Cisco CCNA 2 Routing and Switching Essentials	4 hours per week	3 credits		IT - Cybersecurity Specialist		
10151102	Digital Forensics and Incident Response Prerequisite: 10154103 Linux Operating Systems	4 hours per week	2 credits		IT - Cybersecurity Specialist		
10801196 or 10801198	Oral/Interpersonal Communication or Speech	3 hours per week	3 credits		IT - Cybersecurity Specialist		
	<b>THIRD TERM TOTAL</b>	23 hours per week	17 credits		17 Credits IT - Cybersecurity Specialist		

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<b>FOURTH TERM</b>							
10151103	Penetration Testing Prerequisite: 10150102 Information Security	4 hours per week	3 credits		IT - Cybersecurity Specialist		
10151104	Intrusion Detection and Prevention Prerequisite: 10150102 Information Security	4 hours per week	3 credits		IT - Cybersecurity Specialist		
10151105	Logging and Analysis Prerequisite: 10150102 Information Security	4 hours per week	3 credits		IT - Cybersecurity Specialist		
10150161	Network and Security Case Studies Prerequisite: 10150102 Information Security	2 hours per week	1 credit		IT - Cybersecurity Specialist		
10151106	Networking Security Capstone Corequisite: 10151104 Intrusion Detection and Prevention, 10151105 Logging and Analysis	3 hours per week	2 credits		IT - Cybersecurity Specialist		
10151107	Emerging Technologies in Cybersecurity <i>(Note: this course is the recognized substitution for the 10150114 Cisco CCNA 4 Connecting Networks course effective after the spring 2021 term)</i> Prerequisite: 10150112 Cisco CCNA 3 Enterprise Networking, Security and Automation	4 hours per week	3 credits				
	<b>FOURTH TERM TOTAL</b>	21 hours per week	15 credits		15 Credits IT - Cybersecurity Specialist		
	<b>PROGRAM REQUIREMENTS</b>			<b>19 Credits</b> IT - Network Technician	<b>63 Credits</b> IT - Cybersecurity Specialist		



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Please be advised that low enrollment class sections may be cancelled. You will be contacted by Student Services with information on other class sections available in alternate formats.

GENERAL STUDIES COURSE OPTIONS FOR NORTHWOOD TECH ASSOCIATE DEGREE PROGRAMS

Co-enrollment in 99831900 Writing Essentials may be recommended in addition to English Composition 1.

Specific General Studies courses are scheduled as requirements for this program. If you have completed General Studies coursework at another Wisconsin technical college, please refer to the Acceptable Transfer Course document at the following link (find your program) to see if your previous coursework will transfer

<https://www.NorthwoodTech.edu/academic-programs/degree-programs-and-certificates/general-studies-courses/courses>

If you have completed General Studies coursework at Northwood Tech in a prior term, the same options will apply for your program requirements.

*GRADUATION REQUIREMENTS: Although your academic advisor can provide guidance, you are ultimately responsible for selecting courses that meet a program's graduation requirements. If you do not take courses in the recommended sequence above, it may delay your completion of graduation requirements. A program plan grade point average (GPA) of 2.0 in a 4.0 grade system is required to graduate.*

EARN CREDIT FOR WHAT YOU ALREADY KNOW: Visit <https://www.NorthwoodTech.edu/admissions/preparing-for-college/credit-for-prior-learning> for more information

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Revised 8/4/2020