

CYBERSECURITY AND COMPUTER NETWORKS

Associate in Applied Science

Prescribed Technical Program	45-48
General Education	16
Digital Literacy	
Total Degree Credits	61-64

Prescribed Technical Program Requirements

CIS 107	Linux Fundamentals	3
CIS 128	Microcomputer Hardware I	3
CIS 147	Principles of Information Security ²	3
CIS 165	Networking Fundamentals II	3-4
CIS 185	Introduction to Programming	3
CIS 212	Microsoft Windows Operating System Client	3
CIS 214	Implementing a Microsoft Windows Active Directory Infrastructure	3
CIS 216	Implementing a Microsoft Windows Network Infrastructure	3
CIS 223	Linux System Administration	3
CIS 255	Computer and Network Security	3
CIS 267	Intermediate Networking I	3-4
CIS 269	Computer Information Systems Capstone ¹	3
or CIS 197/297	Cooperative Education/Internship	
CIS 274	Cybersecurity Operations	3
CIS 275	Immersive Cybersecurity Concepts	3-4
CIS 282	Ethical Hacking and Network Defense	3
	Total Credits	45-48

General Education Requirements

<i>Arts & Humanities/Social & Behavioral Sciences</i>		
CIS 280	Cyber Ethics (Required)	3
<i>Written or Oral Communications</i>		
ENGL 110	College Composition I	3
Select one of the following:		
COMM 110	Fundamentals of Public Speaking	
ENGL 125	Introduction to Professional Writing	
<i>Business, Math, Science & Technology</i>		
CIS 164	Networking Fundamentals I (Required)	4
MATH 210	Elementary Statistics (Required)	3
	Total Credits	16

Digital Literacy Requirements

Select one of the following:		
CSCI 101	Introduction to Computers ²	
CIS 147	Principles of Information Security ²	
BSC Approved Training Course		
NDUS Institution Approved Training Course		
NDUS Institution Designated Digital Literacy Course		

¹

CIS 197 and CIS 297 are repeatable for 1, 2 or 3 credits at a time.

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CSCI 101, CIS 147 or courses transferred in from another NDUS Institution that are listed as both general education and digital literacy may satisfy both requirements upon successful completion.

College Degree & Digital Literacy Requirements

General Education & Diversity Course Matrix Requirements