

## CYBERSECURITY

### Associate in Applied Science A.A.S.: Cybersecurity Degree

Pending HLC approval.

The 60-hour technical curriculum provides a strong theoretical and practical foundation for students entering the growing field of cybersecurity. This program will prepare students for technician-level positions in this emerging field including cybersecurity and information assurance, information security analysts, penetration testers, and digital forensics analysts.

#### FIRST SEMESTER:

Number	Course Title	Credits	Course Category
CIS 106	Computer Logic and Programming Technology .....	3	Program Requirement
ENG 101	Composition I .....	3	AAS General Education
	Mathematics <sup>1</sup> .....	3	AAS General Education
NET 101	Orientation to Cybersecurity Careers .....	1	Program Requirement
NET 105	Information Technology Fundamentals .....	3	Program Requirement
NET 121	Computer Networking .....	3	Program Requirement

#### SECOND SEMESTER:

Number	Course Title	Credits	Course Category
CIS 226	Programming for Cybersecurity .....	3	Program Requirement
ENG 102	Composition II .....	3	AAS General Education
NET 240	Linux Server Administration .....	3	Program Requirement
NET 260	Windows Server Administration .....	3	Program Requirement
NET 280	Cybersecurity Fundamentals .....	3	Program Requirement

#### THIRD SEMESTER:

Number	Course Title	Credits	Course Category
NET 262	Windows 365 Administration .....	3	Program Requirement
NET 281	Enterprise and Network Security .....	3	Program Requirement
NET 283	Ethical Hacking and Penetration Testing .....	3	Program Requirement
NET 284	Digital Forensics .....	3	Program Requirement
SPE 101	Fundamentals of Speech Communication .....	3	AAS General Education

#### FOURTH SEMESTER

Number	Course Title	Credits	Course Category
CIS 211	IT Project Management .....	3	Program Requirement
NET 282	Cybersecurity Governance, Risk Management, and Compliance .....	3	Program Requirement
NET 290	Cloud Computing .....	3	Program Requirement
NET 298	Cybersecurity Capstone .....	2	Program Requirement
SOC 101	Introduction to Sociology <sup>+</sup> .....	3	AAS General Education

<sup>1</sup> Students must take at least 3 credit hours in a mathematics course at the level of MTH 101 or above. MTH 103 is recommended.

<sup>+</sup> This course meets the World Culture and Diversity graduation requirement.