CYBERSECURITY (AAS)

Catalog Effective Term: Fall 2024
Program Code: APCSCY
Credential: Associate in Applied Science
High Demand Occupation, High Skill Occupation, High Wage Occupation

In this program, students are introduced to the skills and strategies needed to plan and carry out security measures to protect an organization's computer networks and systems. Students will learn networking and network security skills using server, infrastructure and perimeter technologies working in Linux operating systems, Cisco infrastructure and perimeter devices, and Microsoft operating systems.

Articulation

Eastern Michigan University, BS degree

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: http://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php.

Continuing Eligibility Requirements

Minimum grade of "C" in all major courses

Minimum Credits Required for the Program: 65

Full-Time Students

Course	Title	Credits
First Semester		
CIS 120	Linux/UNIX I: Fundamentals	3
CNT 201	Microsoft Client/Server Administration	3
CNT 206	Introduction to Networks	4
Soc. Sci. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#socbehavsci)		3
Writing Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#writing) [1]		3
	Credits	**16**
Second Semester		
CNT 216	Switching, Routing and Wireless Essentials	4
CPS 141	Introduction to Programming Using Python	4
CSS 200	Introduction to Network Security - Security +	4
CSS 205	Essentials of Network Penetration Testing	4
	Credits	**16**
Third Semester		
CNT 211	Server Administration I	4
CNT 226	Enterprise Networking, Security, and Automation (ENSA)	4
CSS 210	Network Perimeter Protection - CCNA Security	4
MTH 160	Basic Statistics	4
	Credits	**16**
Fourth Semester		
CNT 290	Network Forensics	4
CSS 225	Cybersecurity Operations - CCNA Cyber Ops	4

Course	Title	Credits
Arts/Human. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#arthuma)		3
Nat. Sci. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#naturalsci)		3
Speech/Comp. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#writing)		3
	Credits	**17**
	Total Credits	**65**

[1] Students planning to transfer to a 4-year college should take ENG 111 Composition I; otherwise, students may consider ENG 107 Technical Writing Fundamentals.

Part-Time Students

Course	Title	Credits
First Semester		
CIS 120	Linux/UNIX I: Fundamentals	3
CNT 206	Introduction to Networks	4
	Credits	**7**
Second Semester		
CNT 201	Microsoft Client/Server Administration	3
CNT 216	Switching, Routing and Wireless Essentials	4
	Credits	**7**
Third Semester		
Nat. Sci. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#naturalsci)		3
Writing Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#writing) [1]		3
	Credits	**6**
Fourth Semester		
CPS 141	Introduction to Programming Using Python	4
CSS 200	Introduction to Network Security - Security +	4
	Credits	**8**
Fifth Semester		
CNT 211	Server Administration I	4
CSS 205	Essentials of Network Penetration Testing	4
	Credits	**8**
Sixth Semester		
Soc. Sci. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#socbehavsci)		3
Speech/Comp. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#writing)		3
	Credits	**6**
Seventh Semester		
CNT 226	Enterprise Networking, Security, and Automation (ENSA)	4
CSS 210	Network Perimeter Protection - CCNA Security	4
	Credits	**8**
Eighth Semester		
CNT 290	Network Forensics	4

CSS 225	Cybersecurity Operations - CCNA Cyber Ops	4
	Credits	**8**
Ninth Semester		
MTH 160	Basic Statistics	4
Arts/Human. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#arthuma)		3
	Credits	**7**
	Total Credits	**65**

[1] Students planning to transfer to a 4-year college should take ENG 111 Composition I; otherwise, students may consider ENG 107 Technical Writing Fundamentals.