2023-24 ACADEMIC PROGRAMS

2023-2024 CYBERSECURITY (APCSCY)

Description

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: https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php .

Continuing Eligibility

Minimum grade of "C" in all major courses

Course Requirements

First Semester

Class	Title	Minimum Credits
CIS 120	Linux/UNIX I: Fundamentals	3
CNT 201	Administering Microsoft Windows Client Operating Systems	3
CNT 206	Introduction to Networks	4
Elective	Writing Elective(s)*	3
Elective	Soc. Sci. Elective(s)	3
Total		16

Second Semester

Class	Title	Minimum Credits
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
Total		16

Third Semester

Class	Title	Minimum Credits
CNT 226	Enterprise Networking, Security, and Automation (ENSA)	4
CSS 210	Network Perimeter Protection - CCNA Security	4
CNT 211 or	Installation, Storage, and Compute - Windows Server	
CNT 223 or	Networking with Windows Server	
CNT 224	Identity with Windows Server	4
MTH 160	Basic Statistics	4
Total		16

Fourth Semester

Class	Title	Minimum Credits
CNT 290	Network Forensics	4
CSS 225	Cybersecurity Operations - CCNA Cyber Ops	4
Elective	Arts/Human. Elective(s)	3
Elective	Speech/Comp. Elective(s)	3
Elective	Nat. Sci. Elective(s)	3
Total		17

Total Credits Required: 65

Footnotes

*Students planning to transfer to a 4-year college should take ENG 111; otherwise, student may consider ENG 107.

Accurate as of 02/15/2024 Information is subject to change without notice.