

COMPUTER SYSTEMS AND NETWORKING (AAS)

Catalog Effective Term: Fall 2024

Program Code: APCSN

Credential: Associate in Applied Science

High Demand Occupation, High Skill Occupation, High Wage Occupation

In this associate degree program, students will learn about the latest desktop, server, and networking technologies. This program has a core of hardware, operating system, networking, and scripting courses that all students must complete. In addition to the common core subjects, students will select a specialized track in one of the following areas:

- Microsoft Network Operating Systems (Server and Client)
- Local and Wide Area Networking

Articulation

Eastern Michigan University, several BS degrees

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>.

Select one of the following concentrations:

- Microsoft Network Operating System (MNOS)
- Local and Wide Area Networking (NETW)

Students transferring to a 4-year college should consider taking and completing MTA.

Full-Time Students

Microsoft Network Operating System Concentration (MNOS)

Minimum Credits Required for the Concentration or Option: 62

Course	Title	Credits
First Semester		
CST 120	Command Line Fundamentals	3
CST 160	Computer Systems Technology I	4
CST 165	Computer Systems Technology II	4
CST 185	Local and Mobile Networking Essentials	4
Credits		15
Second Semester		
CIS 120	Linux/UNIX I: Fundamentals	3
CNT 201	Microsoft Client/Server Administration	3
CNT 206	Introduction to Networks	4
Math Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#math)		3
Writing Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#writing)		3
Credits		16
Third Semester		
CNT 211	Server Administration I	4
CNT 216	Switching, Routing and Wireless Essentials	4

CNT 223	Networking with Windows Server	4
Nat. Sci. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#naturalsci)		3
Credits		15
Fourth Semester		
BMG 205 or CST 270	Creating the Customer Experience or Computer Forensics	3-4
CNT 224	Identity with Windows Server	4
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
Arts/Human. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#arthuma)		3
Credits		16
Total Credits		62

Local and Wide Area Networking Concentration (NETW)

Minimum Credits Required for the Concentration or Option: 62

Course	Title	Credits
First Semester		
CST 120	Command Line Fundamentals	3
CST 160	Computer Systems Technology I	4
CST 165	Computer Systems Technology II	4
CST 185	Local and Mobile Networking Essentials	4
Credits		15
Second Semester		
CIS 120	Linux/UNIX I: Fundamentals	3
CNT 201	Microsoft Client/Server Administration	3
CNT 211	Server Administration I	4
Math Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#math)		3
Writing Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#writing)		3
Credits		16
Third Semester		
BMG 205 or CST 270	Creating the Customer Experience or Computer Forensics	3
CNT 206	Introduction to Networks	4
CNT 216	Switching, Routing and Wireless Essentials	4
Arts/Human. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#arthuma)		3
Soc. Sci. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#socbehavsci)		3
Credits		17
Fourth Semester		
CNT 226	Enterprise Networking, Security, and Automation (ENSA)	4
CNT 290 or CSS 210	Network Forensics or Network Perimeter Protection - CCNA Security	4
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	14
Total Credits	62

Speech/Comp. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#writing)	3
Credits	6
Total Credits	62

Part-Time Students

Microsoft Network Operating Systems Concentration (MNOS)

Minimum Credits Required for the Concentration or Option: 62

Course	Title	Credits
First Semester		
CST 160	Computer Systems Technology I	4
CST 165	Computer Systems Technology II	4
Credits		8
Second Semester		
CIS 120	Linux/UNIX I: Fundamentals	3
CST 185	Local and Mobile Networking Essentials	4
Credits		7
Third Semester		
Math Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#math)		3
Writing Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#writing)		3
Credits		6
Fourth Semester		
BMG 205 or CST 270	Creating the Customer Experience or Computer Forensics	3
CNT 201	Microsoft Client/Server Administration	3
Credits		6
Fifth Semester		
CNT 206	Introduction to Networks	4
CNT 216	Switching, Routing and Wireless Essentials	4
Credits		8
Sixth Semester		
Nat. Sci. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#naturalsci)		3
Soc. Sci. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#socbehavsci)		3
Credits		6
Seventh Semester		
CST 120	Command Line Fundamentals	3
CNT 211	Server Administration I	4
Credits		7
Eighth Semester		
CNT 223	Networking with Windows Server	4
CNT 224	Identity with Windows Server	4
Credits		8
Ninth Semester		
Arts/Human. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#arthuma)		3

Local and Wide Area Networking Concentration (NETW)

Minimum Credits Required for the Concentration or Option: 62

Course	Title	Credits
First Semester		
CST 160	Computer Systems Technology I	4
CST 165	Computer Systems Technology II	4
Credits		8
Second Semester		
CIS 120	Linux/UNIX I: Fundamentals	3
CST 185	Local and Mobile Networking Essentials	4
Credits		7
Third Semester		
Math Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#math)		3
Writing Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#writing)		3
Credits		6
Fourth Semester		
BMG 205 or CST 270	Creating the Customer Experience or Computer Forensics	3
CNT 201	Microsoft Client/Server Administration	3
Credits		6
Fifth Semester		
CST 120	Command Line Fundamentals	3
CNT 206	Introduction to Networks	4
Credits		7
Sixth Semester		
Nat. Sci. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#naturalsci)		3
Soc. Sci. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#socbehavsci)		3
Credits		6
Seventh Semester		
CNT 211	Server Administration I	4
CNT 216	Switching, Routing and Wireless Essentials	4
Credits		8
Eighth Semester		
CNT 226	Enterprise Networking, Security, and Automation (ENSA)	4
CNT 290 or CSS 210	Network Forensics or Network Perimeter Protection - CCNA Security	4
Credits		8
Ninth Semester		
Arts/Human. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#arthuma)		3

Speech/Comp. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#writing)	3
Credits	6
Total Credits	62