

NETWORKING TECHNOLOGY CERTIFICATE OF APPLIED SCIENCE *PROGRAM PLACED ON MORATORIUM*

The Networking Technology Certificate of Applied Science is earned upon successful completion of the one year of courses listed below. Students may choose to sit for the Microsoft Certified Professional and the Cisco Certified Networking Associate examinations after completion of this Certificate. Technical support employees work in organizations to maintain an in-house Management Information System (MIS) function or technical support department. See our website at www.msubillings.edu/careers (<http://www.msubillings.edu/careers/>) for graduate data.

Before a student can be accepted into the Computer Systems Technology program, competency in computers must be demonstrated. This may be done by:

- transferring of appropriate credits
- completing the computer literacy challenge test
- obtaining permission of CST faculty
- taking prerequisite course (CAPP 120)
- possessing current ACT/SAT scores in the required range
- taking the necessary prerequisite English, math and/or computer classes identified in the catalog

Check with an academic advisor to determine how you can meet these requirements.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Troubleshoot and repair computer hardware.
- Set up operating systems and troubleshoot software.
- Set up and document LAN networks using troubleshooting skills.
- Set up and document WAN networks using troubleshooting skills.
- Set up and document secure networks.

Required Courses

Code	Title	Credits
CAPP 156	MS Excel	3
COMX 106	Comm in a Dynamic Workplace	3
ITS 166	Configuring MS Windows 10	3
ITS 212	Network Operating Sys-Server A	3
ITS 256	CCNA Security	3
M 111	Technical Mathematics	3
NTS 104	CCNA 1: Intro to Networks	4
NTS 105	CCNA 2: Routing & Switching Es	4
NTS 204	CCNA 3: Scaling Networks	3
WRIT 104	Workplace Communications	3
Total Minimum Credits		32

Note: Students are encouraged to take the industry certifications tests for Cisco and MCSE. Please contact our testing center for more information on cost and scheduling.

Suggested Plan of Study

Code	Title	Credits
First Semester		
ITS 166	Configuring MS Windows 10	3
NTS 104	CCNA 1: Intro to Networks	4
NTS 105	CCNA 2: Routing & Switching Es	4
M 111	Technical Mathematics	3
WRIT 104	Workplace Communications	3
Total		17
Second Semester		
CAPP 156	MS Excel	3
COMX 106	Comm in a Dynamic Workplace	3
ITS 212	Network Operating Sys-Server A	3
NTS 204	CCNA 3: Scaling Networks	3
ITS 256	CCNA Security	3
Total		15