

Computer Network Infrastructure

Certificate of Applied Science Degree

Program Director: Chris Mee

NOTE: This program is currently under review. Please contact the program director or your advisor.

Gainful Employment Programs Information (<http://www.gfcmsu.edu/webs/gepi/netinfrastructure.html>)

Outcomes

Graduates are prepared to:

- Demonstrate an entry-level understanding of network infrastructure cabling.
- Install and basically configure network routers and switches.
- Pass the Cisco Certified Network Associate industry standard certification exam with at least an 80%.
- Pass the CompTIA A+ industry standard certification exam battery with at least an 80%.
- Obtain and keep an entry-level computer networking professional position in the workforce.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	\$3,418
Application Fee	\$30
Lab Fees	\$210
Books/Supplies	\$1,147
Total	\$4,805

* **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the Health Insurance website** (<http://students.gfcmsu.edu/insurance.html>) **and/or Student Central for confirmed premium rates. Students will be charged an additional fee of \$21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

GFC MSU Additional Graduation Requirement

Course	Title	Credits	Grade/Sem
COLS 103	Becoming a Successful Student +	1	_____

Course	Title	Credits	Grade/Sem
First Year			
Fall			

CSCI 105	Computer Fluency +	3	_____
ITS 125	Fund of Voice & Data Cabling +	3	_____
NTS 104	CCNA 1: Intro to Networks *,+	3	_____
NTS 105	CCNA 2: Routing & Switching *,+	3	_____

Select one of the following:

M 095	Intermediate Algebra **,+	4	_____
M 121	College Algebra **,+	3	_____
M 151	Precalculus **,+	4	_____
M 171	Calculus I **,+	4	_____

Credits 15-16

Spring			
COMX 115	Intro to Interpersonal Communc +	3	_____
NTS 204	CCNA 3: Scaling Networks *,+	3	_____
NTS 205	CCNA 4: Connecting Networks *,+	3	_____
ITS 280	Computer Repair & Maintenance *,+	4	_____

Select one of the following:

WRIT 101	College Writing I **,+	3	_____
WRIT 122	Intro to Business Writing **,+	3	_____

Credits 16

Total Credits 31-32

* Indicates prerequisite needed.

** Placement in course(s) is determined by placement assessment.

+ A grade of C- or above is required for graduation.