

# Computer Network Infrastructure

## Certificate of Applied Science Degree

Program Director: Steve Robinett

**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	\$3,255
Application Fee	\$30
Lab Fees	\$210
Books/Supplies	\$957
Total	\$4,452

\* **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
<b>First Year</b>			
<b>Fall</b>			

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**

<b>Spring</b>			
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.