

Network Engineer

Certificate

Frederick Community College Pathway

Guided Pathway to Success (GPS)

Suggested schedules map your path to degree completion.

Full-time student: Follow the green semester blocks in order.

Part-time student: Follow the blue course sequence at your own pace.

Students should meet with an advisor each semester to carefully select and sequence courses based on their specific academic goals and interests. Visit Jefferson Hall or call 301.846.2471 (301.846.2625 TDD) for advising.

Students who require developmental English or Math coursework will need additional semesters to complete their certificate. Summer and January term classes may help students to make faster progress.



Take this course within the first 24 credits.



Milestone course – take within recommend credit range to stay on track for completion.



This course is offered in the fall semester only.



This course is offered in the spring semester only.

1 Recommended First Semester

1	CIS 106	Object Design and Programming	3 credits
2	CIS 190	Cisco 1: Networking Fundamentals	3 credits
3	CIS 191	Cisco 2: Routing Technologies	3 credits

2 Recommended Second Semester

4	CIS 192	Cisco 3: Switching Technologies	4 credits
5	CIS 193	CIS 193 Cisco 4: WAN Technologies	1 credit
6		Elective (Choose one: CIS 170 Security Fundamentals, CIS 210 Data Communications & Networking, or CIS 224 Wireless Communications)	3 credits