

Computer Information Technology (CIT) - Networking Degree Map



● CAREER DEGREE | M MIDDLETOWN CAMPUS

Computer Information Technology - Networking Gateway Courses:

- Gateway courses: CIT 100, CIT 105
- Key courses: CIT 105, CIT 116, CFR 221, CIT 203

Courses above have been recommended by the department to help introduce you to the program (Gateway courses) and guide you in selecting courses that will provide you with the best academic experience (Key courses and suggested Electives).

First Semester

Course #	Course Name	P, C, P/C	Cr
ENG 101	Freshman English 1	P	3
MAT ____	College Algebra or higher		3
CIT 105	Data Communication and Networking	P	3
CIT 117	Unix/Linux	P	3
CSC 138	Scripting		3
	Total Semester Credits		15

Milestones

During this semester, students should:

- Meet with your newly assigned “department” advisor to plan your second semester
- Consider joining the student-led Computer Club

Second Semester

Course #	Course Name	P, C, P/C	Cr
ENG 102	Freshman English 2	P	3
MAT ____	College Trigonometry or higher		3
CIT 112	Computer Hardware and Software	P	4
CIT 116	Networking 1	P	4
CSC 101	Computer Science 1	P	4
	Total Semester Credits		18

Milestones

During this semester, students should:

- Meet with department advisor to plan third semester

Third Semester

Course #	Course Name	P, C, P/C	Cr
_____	Social Science Elective		3
CIT 103	Management Information Systems		3
CIT 203	Networking 2	P	4
CIT 218	Systems Analysis and Design	P, P/C	3
CIT 225	Database Fundamentals	P	3
	Total Semester Credits		16

Milestones

During this semester, students should:

- Prepare resume for next semester’s internship
- Schedule time with Career Services Office to identify internship opportunities
- Meet with Department Chair to get approval for upcoming internship
- Narrow focus for post-graduate job search or, if continuing studies, research and apply to transfer schools

Fourth Semester

Course #	Course Name	P, C, P/C	Cr
_____	Social Science Elective		3

SUNY Orange

Course #	Course Name	P, C, P/C	Cr
CIT 206	Network Security	P	3
CIT 228	System Administration	P	3
CIT 230	Internship		3
_____	Restricted Elective*		3
	Total Semester Credits		15

Milestones

During this semester, students should:

- Apply for graduation
- Schedule mock interviews through the Career Services Office or the Department

TOTAL DEGREE CREDITS: 64

Notes

*Restricted Electives: CSC 102, CIT 111, Any course approved by the department.

**Students unprepared for technical coursework are strongly urged to take CIT 100 in addition to the standard curriculum.