



2016 – 2017 STEM META-MAJOR CERTIFICATE IN NETWORK INFRASTRUCTURE



Meta-majors are academic pathways to help you meet your educational goals. Included below is a sample schedule for a full-time college student in a Certificate in Network Infrastructure. While you may not be a full-time student, you are responsible for completing the “Mandatory Hourly Requirements” on the right. Please be advised that not all types of financial aid will cover the cost of summer semester courses.

COURSE RECOMMENDATIONS ARE BASED ON GENERAL COURSE REQUIREMENTS.

SAMPLE FULLTIME SCHEDULE

MANDATORY HOURLY REQUIREMENT

TERM 1	Courses
Choose one of the two	CGS1000 or CGS1060
TOTAL SEMESTER HOURS	3 HOURS
COMPLETED HOURS	3 HOURS

By 3 Completed Credit Hours
Receive IC3 Certification
2.0 or higher TCC GPA & Cumulative GPA

TERM 2	Courses
Required Course	CTS1134
Required Course	CTS1131
Required Course	CET1600
TOTAL SEMESTER HOURS	9 HOURS
COMPLETED HOURS	12 HOURS

By 12 Completed Credit Hours
Receive Network+ Certification
2.0 or higher TCC GPA & Cumulative GPA

TERM 3	Courses
Required Course	CET1610
TOTAL SEMESTER HOURS	3 HOURS
COMPLETED HOURS	15 HOURS

By 15 Completed Credit Hours
Receive Cisco CCENT Certification
2.0 or higher TCC GPA & Cumulative GPA

TERM 4	Courses
Required Course	CET2615
TOTAL SEMESTER HOURS	3 HOURS
COMPLETED HOURS	18 HOURS

By 18 Completed Credit Hours
2.0 or higher TCC GPA & Cumulative GPA

TERM 5	Courses
Required Course	CET2620
TOTAL SEMESTER HOURS	3 HOURS
COMPLETED HOURS	21 HOURS

By 21 Completed Credit Hours
Receive Cisco CCNA Certification
2.0 or higher TCC GPA & Cumulative GPA
25% credit hours earned at TCC

Please note some courses are only offered in specific semesters:

FALL SEMESTER	SPRING SEMESTER	SUMMER SEMESTER
CGS 1000	CGS 1000	CGS 1000
CGS 1060	CGS 1060	CGS 1060
CGS 1555	CGS 1555	CGS 1555
CTS 1131	CTS 1131	CTS 1134
CTS 1134	CTS 1134	CET 1610
CET 1600	CET 1600	CET 2615
CET 1610	CET 2615	
CET 2620	CET 2620	

*Please refer to the [ICC Catalog](#) for specific courses that meet this requirement.

Important Things to Know:

- Developmental Education courses are not included in this plan.

MAJORS & OCCUPATIONS IN THE SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) META-MAJOR

MAJOR	OCCUPATION(S)	SUGGESTED ACADEMIC DEGREE(S)/LEVELS
Food & Nutrition Science or Exercise Science (Exercise Physiology, Master's & Doctoral Programs only)	Nutrition Consultant	B, M
	Food Product Developer	B, M
	Quality Control Analyst	B, M
	Health and Fitness Instructor/Advisor	B, M
	Clinical Exercise Physiologist	B, M
Biological Science	Laboratory Technician	B, M
	Biologist, Marine Biologist	B, M
	Crime Laboratory Analyst	B, M, D
	Zoologist	B, M, D
	Biology Professor	B, M
Computer Science	Database Administrator	B, M
	Software Designer/Engineer	B, M
	Software Quality Assurance Engineer	B, M
	Systems Analyst/Designer	B, M
	Web Developer	B, M
Help Desk/Technical Support or Web Technologies	Computer Support Specialist	AS, B, M
	Troubleshooting Specialist	AS, B, M
	Web Master	AS, B, M
	HTML Author	AS, B, M
	Site Designer	AS, B, M
Graphic Design Technology	Graphic Artist	AS
	Graphic Design Assistant	C, AS
	Marketing Assistant	AS
	Web page Designer	AS
	Associate Art Director	AS
Engineering	Structural Engineer	AS, B, M
	Transportation and Pipeline Engineer	AS, B, M
	Highway Engineer	AS, B, M
	Construction Engineer	AS, B, M
	Geotechnical Engineer	AS, B, M
Mathematics	Mathematician	B, M
	Teacher/Professor	B, M
	Economist	B, M
	Operations Research Analyst	B, M
	Statistician	B, M
Environmental Science Technology/Studies	Environmental Science & Protection Technician	AS
	Horticulturist	B
	Wetlands Ecologist	B
	Wildlife Conservationist	B
	Fish & Game Warden	B
Chemistry or Physics	Chemist	B
	Food & Drug Inspector	B
	Medical Laboratory Technician	B
	Biophysicist	B
	Biomedical Engineer	B
Meteorology	Meteorologist	B
	Weather Production Coordinator	B
	Storm Chaser	B
	Broadcast Meteorologist	B
	Air Traffic Controller	B

- C Certificate
- AS Associate in Science Degree
- B Bachelor's Degree
- M Master's Degree
- D Doctorate

**This sheet has sample majors & occupations associated with this meta-major. Some of these options may require additional training and career planning. You are not limited to these options when choosing a possible career path.*