



# 2016 – 2017 STEM META-MAJOR



## CERTIFICATE IN NETWORK SUPPORT TECHNICIAN

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 Support Technician. 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

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

TERM 2	Courses
Required Course	CTS1134
Required Course	CTS1131
Required Course	CET1600
<b>TOTAL SEMESTER HOURS</b>	<b>9 HOURS</b>
<b>COMPLETED HOURS</b>	<b>12 HOURS</b>

TERM 3	Courses
Required Course	CGS2352
Required Course	CET1610
<b>TOTAL SEMESTER HOURS</b>	<b>6 HOURS</b>
<b>COMPLETED HOURS</b>	<b>18 HOURS</b>

TERM 4	Courses
Required Course	CTS2351
<b>TOTAL SEMESTER HOURS</b>	<b>3 HOURS</b>
<b>COMPLETED HOURS</b>	<b>21 HOURS</b>

### MANDATORY HOURLY REQUIREMENT

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

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

By 18 Completed Credit Hours
Receive Cisco CCENT Certification
2.0 or higher TCC GPA & Cumulative GPA

By 21 Completed Credit Hours
Receive A+ 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 1600	CET 1600	
CET1610		CET 1610
CGS2560	CGS 2560	
	CTS 2132	CTS 2132

\*Please refer to the [TCC 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
<b>Food &amp; Nutrition Science or Exercise Science</b> (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
<b>Biological Science</b>	Laboratory Technician	B, M
	Biologist, Marine Biologist	B, M
	Crime Laboratory Analyst	B, M, D
	Zoologist	B, M, D
	Biology Professor	B, M
<b>Computer Science</b>	Database Administrator	B, M
	Software Designer/Engineer	B, M
	Software Quality Assurance Engineer	B, M
	Systems Analyst/Designer	B, M
	Web Developer	B, M
<b>Help Desk/Technical Support or Web Technologies</b>	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
<b>Graphic Design Technology</b>	Graphic Artist	AS
	Graphic Design Assistant	C, AS
	Marketing Assistant	AS
	Web page Designer	AS
	Associate Art Director	AS
<b>Engineering</b>	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
<b>Mathematics</b>	Mathematician	B, M
	Teacher/Professor	B, M
	Economist	B, M
	Operations Research Analyst	B, M
	Statistician	B, M
<b>Environmental Science Technology/Studies</b>	Environmental Science & Protection Technician	AS
	Horticulturist	B
	Wetlands Ecologist	B
	Wildlife Conservationist	B
	Fish & Game Warden	B
<b>Chemistry or Physics</b>	Chemist	B
	Food & Drug Inspector	B
	Medical Laboratory Technician	B
	Biophysicist	B
	Biomedical Engineer	B
<b>Meteorology</b>	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.*