



2016 – 2017



# SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) META-MAJOR ASSOCIATE IN SCIENCE (AS) IN ENGINEERING TECHNOLOGY DEGREE MAP

Meta-majors are academic pathways to help you meet your educational goals. Included below is a sample schedule for a full-time in college student on an Associate of Science degree track in Engineering Technology. While you may not be a full-time student, you are responsible for completing the “Mandatory Hourly Requirements” on the right. Registration holds will be placed on students who do not meet the “Mandatory Hourly Requirements” and those students will be required to see an advisor. Students are encouraged to take summer classes when available. 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
Communications State Core Course	ENC1101
Mathematics State Core Course	MAC1105/MGF1106/MGF1107/STA2023
Program Requirement Course	<b>**ETI1420C</b>
Program Requirement Course	<b>**EET1084C</b>
Program Requirement Course	<b>ETI1701</b>
<b>TOTAL SEMESTER HOURS</b>	<b>15 HOURS</b>
<b>COMPLETED HOURS</b>	<b>15 HOURS</b>

By 15 Completed Credit Hours
ENC1101
MAC1105/MGF1106/MGF1107/STA2023
Attend First Semester Advising Workshop
Meet with an Advisor
Declare a Meta-Major
2.0 or higher TCC GPA & Cumulative GPA

TERM 2	Courses
Science State Core Course	*
Program Requirement Course	<b>ETM1010C</b>
Program Requirement Course	<b>ETS1511C</b>
Program Requirement Course	<b>ETI1110</b>
Program Elective Course	*
<b>TOTAL SEMESTER HOURS</b>	<b>15 HOURS</b>
<b>COMPLETED HOURS</b>	<b>30 HOURS</b>

By 30 Completed Credit Hours
ENC1102
Visit Career Center
2.0 or higher TCC GPA & Cumulative GPA

TERM 3	Courses
Program Requirement Course	EGN1111C
Program Requirement Course	<b>ETM2315C</b>
Social Science State Core Course	*
Program Elective Course	*
Program Elective Course	*
<b>TOTAL SEMESTER HOURS</b>	<b>15 HOURS</b>
<b>COMPLETED HOURS</b>	<b>45 HOURS</b>

By 45 Completed Credit Hours
Graduation Check Workshop
Meet with Career Placement Coordinator in TCC Career Center
2.0 or higher TCC GPA & Cumulative GPA

TERM 4	Courses
Humanities State Core Course	*
Program Requirement Course	ETD1320
Program Requirement Course	ETI1622
Program Elective Course	*
Program Elective Course	*
<b>TOTAL SEMESTER HOURS</b>	<b>15 HOURS</b>
<b>COMPLETED HOURS</b>	<b>60 HOURS TO GRADUATE</b>

LAST SEMESTER
<b>*** Apply for Graduation!***</b>
2.0 or higher TCC GPA & Cumulative GPA
25% credit hours earned at TCC

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

**Failure to complete items in BOLD will result in Registration Holds. Students must see an Advisor to have the hold(s) removed.**

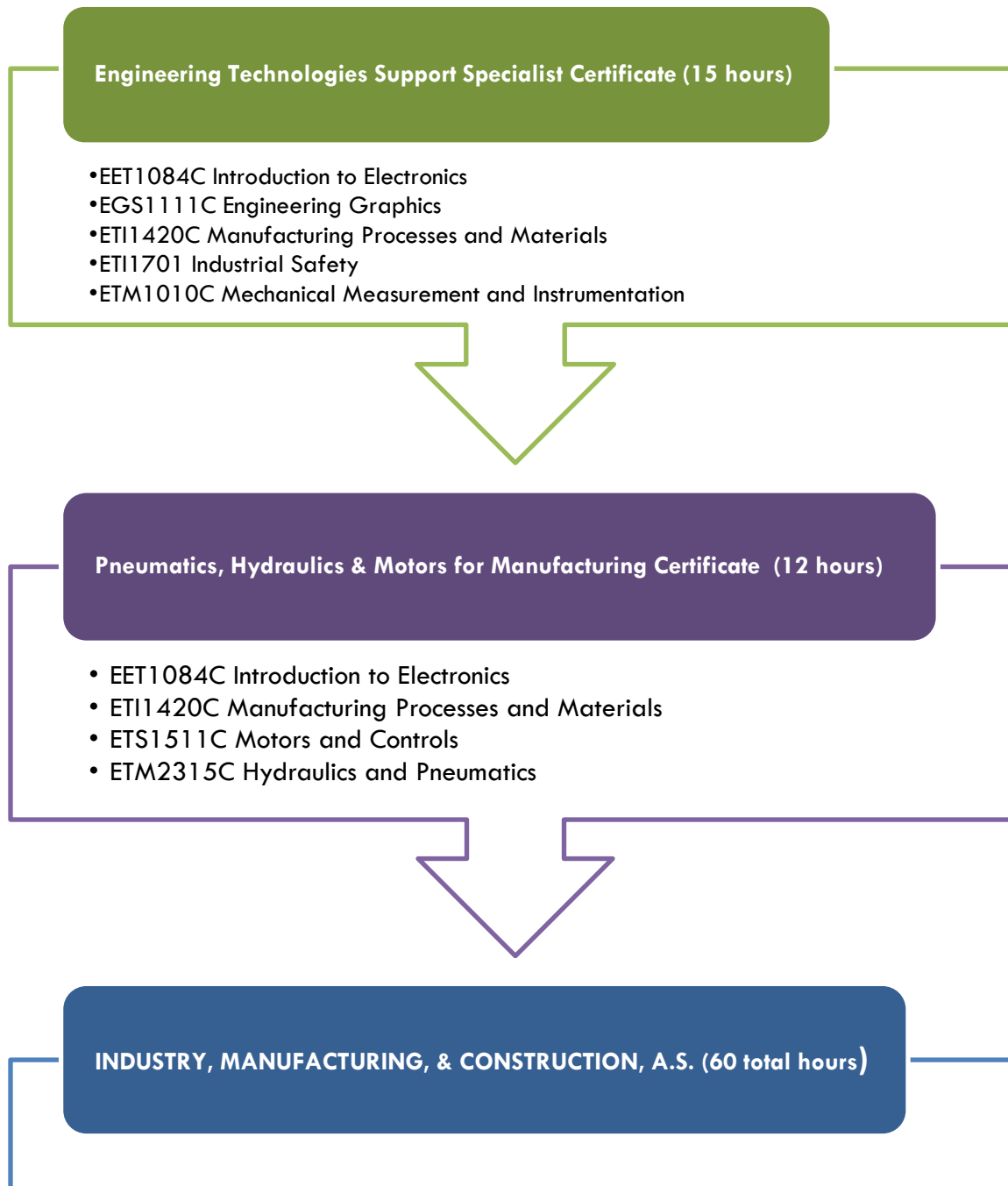
# MAJORS & OCCUPATIONS IN THE SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) META-MAJOR

Students are encouraged to register for any available Engineering Technology course in any semester.

## Important Things to Know:

- Developmental Education courses are not included in this plan.
- MAT1033 is a required pre-requisite for MAC1105 and STA2023; It counts as an elective; not a State or TCC core Mathematics course.

\*\*These courses will also go toward earning a Pneumatics, Hydraulics & Motors for Manufacturing Certificate



## 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.*