



## 2014 – 2015 INDUSTRY, MANUFACTURING, &

### CONSTRUCTION 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

TERM 1 - FALL SEMESTER	Suggested Courses
1 <sup>st</sup> Gen Ed Communications Course	ENC1101
Gen Ed Mathematics Course	*Any Ged Ed Math Course
Program Requirement Course	**ET11420C
Program Requirement Course	**EET1084C
Program Requirement Course	ET11701
<b>TOTAL SEMESTER HOURS</b>	<b>15 HOURS</b>
<b>COMPLETED HOURS</b>	<b>15 HOURS</b>

TERM 2 - SPRING SEMESTER	Suggested Courses
2 <sup>nd</sup> Gen Ed Communications Course	ENC1102, ENC1141, or MMC1100
Program Requirement Course	ETM1010C
Program Requirement Course	ETS1511C
Program Requirement Course	ET11110
Program Elective Course	*
<b>TOTAL SEMESTER HOURS</b>	<b>15 HOURS</b>
<b>COMPLETED HOURS</b>	<b>30 HOURS</b>

TERM 3 – SUMMER (optional)	Suggested Courses
Any Required Gen Ed Course	See Degree Requirements
Program Requirement Course	IDS2941 (if required)
<b>TOTAL SEMESTER HOURS</b>	<b>OPTIONAL</b>

TERM 4 - FALL SEMESTER	Suggested Courses
Program Requirement Course	EEN1111C
Program Requirement Course	ETM2315C
Gen Ed Social Science Course	*Any Gen Ed Social Science Course
Program Elective Course	*
Program Elective Course	*
<b>TOTAL SEMESTER HOURS</b>	<b>15 HOURS</b>
<b>COMPLETED HOURS</b>	<b>45 HOURS</b>

#### MANDATORY HOURLY REQUIREMENT

Before 15 Completed Credit Hours
ENC1101
Attend First Semester Advising Workshop
Meet with an Advisor
Declare a Meta-Major
Overall 2.0 TCC GPA or higher to graduate

Before 18 Completed Credit Hours
Overall 2.0 TCC GPA or higher to graduate

Before 30 Completed Credit Hours
ENC1102
Visit Career Center
Overall 2.0 TCC GPA or higher to graduate

Before 45 Completed Credit Hours
Graduation Check Workshop
Meet with Career Placement Coordinator in TCC Career Center
Overall 2.0 TCC GPA or higher to graduate

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

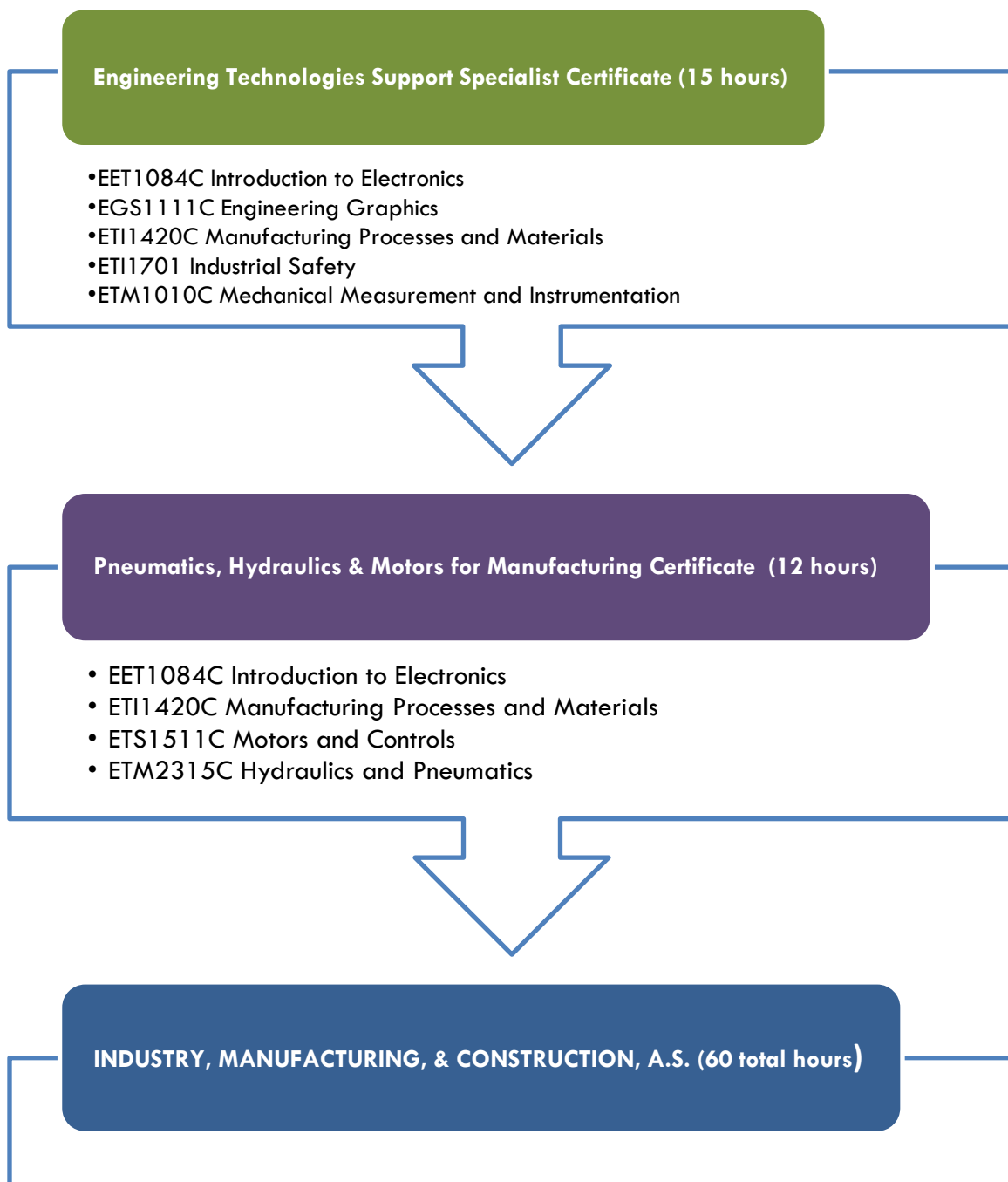
# MAJORS & OCCUPATIONS IN THE INDUSTRY, MANUFACTURING, & CONSTRUCTION META-MAJOR

TERM 5 - SPRING SEMESTER	Suggested Courses
Gen Ed Humanities Course	*Any Gen Ed Humanities Course
Program Requirement Course	<b>ETD1320</b>
Program Requirement Course	<b>ETI1622</b>
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>
Overall 2.0 TCC GPA or higher to graduate

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

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



## MAJORS & OCCUPATIONS IN THE INDUSTRY, MANUFACTURING, & CONSTRUCTION META-MAJOR

MAJOR	OCCUPATION(S)	SUGGESTED ACADEMIC DEGREE(S)/LEVELS
<b>Building Construction Management</b>	Foreman	A, B
	Assistant Superintendent	A, B
	Estimator	A, B
	Building Inspector	A, B
	Expeditor	A, B
<b>Drafting and Design Technology, AS</b>	Drafter	A
	Computer-aided Design (CAD) Technician	A
	CAD Specialist	A
	Geographic Information System (GIS) Technician	A
	Assistant Surveyor	A
<b>Engineering Technology, AS</b>	Industrial Machinery Mechanic	A
	General/Operations Manager	A
	Production/Operations Worker/Supervisor	A
	Supervisor of Mechanics	A
	Installer/Repairer	A
<b>Operations and Construction Management</b>	Operations Analyst/Manager	B, M
	Productions Planner	B, M
	Logistics Specialist	B, M
	Distribution Analyst/Manager	B, M
	Inventory Control Analyst/Manager	B, M
<b>Aeronautics</b>	Aircraft Crew Member	B, M
	Airport Management	B, M
	Air Traffic Controller	B, M
	Accident Investigation/Prevention Worker	B, M
	Aircraft Manufacturing Technician	B, M
<b>Aviation Business Administration</b>	Aviation Team Leader	B, M
	Aviation Dispatcher	B, M
	Aviation Accountant	B, M
	Aviation Training Instructor	B, M
	Aviation Technician	B, M
<b>Aviation Maintenance</b>	Aviation Customer Service Rep.	B, M
	Aviation Development Engineer	B, M
	Hydraulic and Systems Designer	B, M
	Manufacturing Engineer	B, M
	Technical Writer	B, M
<b>Computer Numerical Control (CNC) Machinist, Certificate</b>	Front-line Supervisor of Production Workers	C
	CNC Operator	C
	Machinist	C
	Lathe Operator	C
	Custom Shop Worker	C
<b>Applied Welding Technologies, Certificate</b>	Aluminum Welder	C
	Fabricator	C
	Fitter/Welder	C
	Brazer	C
	Solderer	C
<b>Heating, Ventilation, and Air Conditioning (HVAC), Certificate</b>	A/C, Refrigeration & Heating Helper	C
	A/C, Refrigeration & Heating Mechanic	C
	A/C, Refrigeration & Heating Mechanic Assistant	C
	A/C, Refrigeration & Heating Technician	C
	Refrigeration Technician	C

A Associate's Degree  
 B Bachelor's Degree  
 M Master's Degree  
 D Doctorate