



# 2014 -2015 INDUSTRY, MANUFACTURING, & CONSTRUCTION META-MAJOR

## ASSOCIATE IN SCIENCE (AS) IN DRAFTING DESIGN TECHNOLOGY, BUILDING CONSTRUCTION SPECIALIZATION

### 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 Drafting and Design Technology—Building Construction for Architecture and Engineering. 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	MAC1105
Program Requirement Course	<b>**EGN111C</b>
Program Requirement Course	BCT2705
Computer Requirement	CGS1060 OR CGS2100
<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, MMC1100
Program Requirement Course	<b>**ETD1320</b>
Program Requirement Course	SBM2000
Program Requirement Course	BCN2230
Program Elective	Any college-credit course 2-credit hrs
<b>TOTAL SEMESTER HOURS</b>	<b>14 HOURS</b>
<b>COMPLETED HOURS</b>	<b>29 HOURS</b>

TERM 3 – SUMMER (optional)	Suggested Courses
Program Requirement Course	Any Program Course in Summer
<b>TOTAL SEMESTER HOURS</b>	<b>OPTIONAL</b>

TERM 4 - FALL SEMESTER	Suggested Courses
Program Requirement Course	<b>**ETD2340</b>
Program Requirement Course	BCT2770
Program Requirement Course	EGN2112C
Program Requirement Course	BCN1001
Program Requirement Course	BCN2704
<b>TOTAL SEMESTER HOURS</b>	<b>15 HOURS</b>
<b>COMPLETED HOURS</b>	<b>44 HOURS</b>

#### MANDATORY HOURLY REQUIREMENT

Before 15 Completed Credit Hours
ENC1101
Attend First Semester Advising Workshop
Meet with an Advisor
Receive IC3 certification
Declare a Meta-Major
Overall 2.0 TCC GPA or higher to graduate

Before 18 Completed Credit Hours
Receive AutoDesk AutoCAD User certification
Overall 2.0 TCC GPA or higher to graduate

Before 30 Completed Credit Hours
ENC1102, ENC1141 or MMC1100
Visit Career Center
Overall 2.0 TCC GPA or higher to graduate

Before 45 Completed Credit Hours
Graduation Check Workshop
Overall 2.0 TCC GPA or higher to graduate

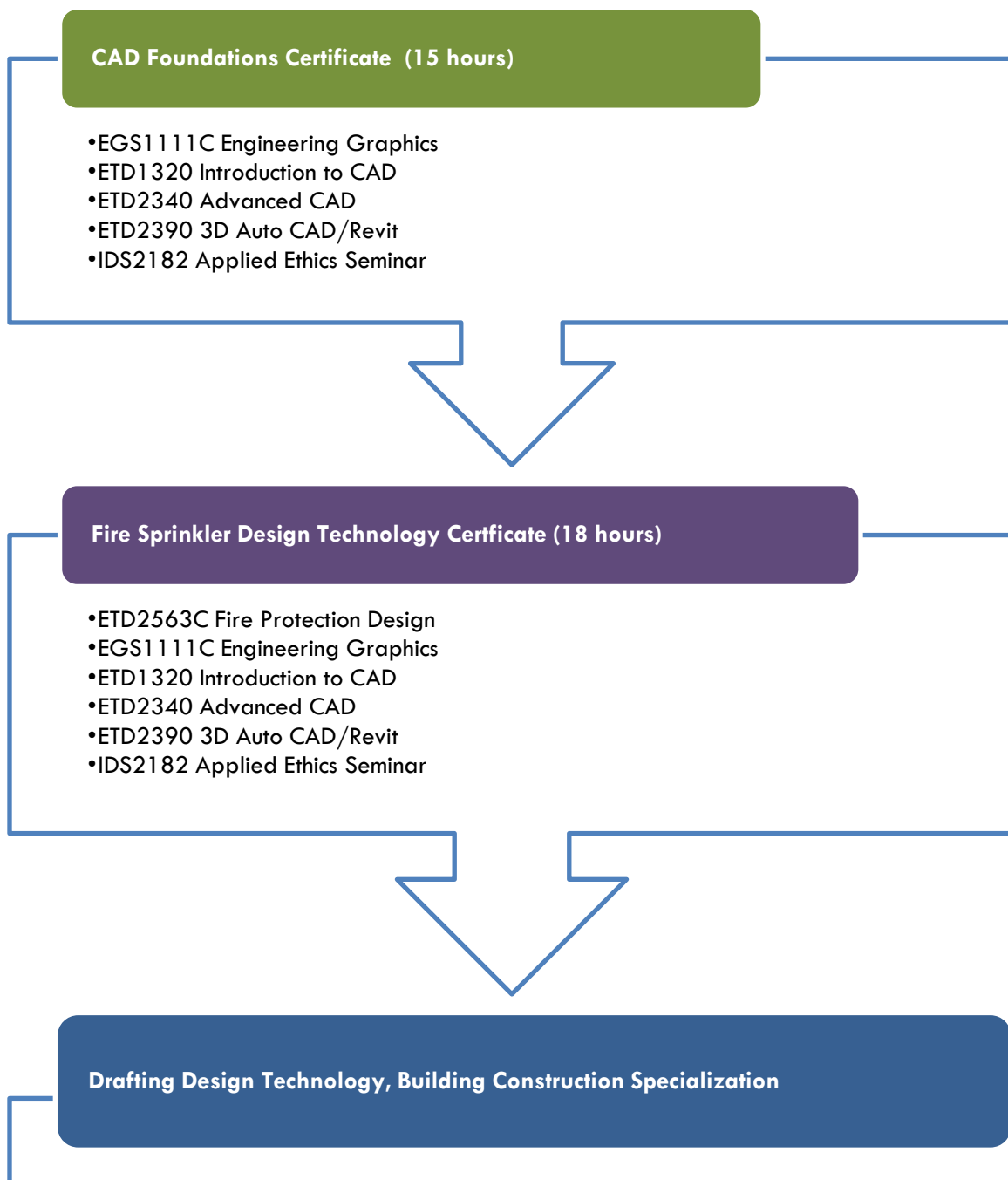
# MAJORS & OCCUPATIONS IN THE INDUSTRY, MANUFACTURING, & CONSTRUCTION META-MAJOR

TERM 5 - SPRING SEMESTER	Suggested Courses
Any Gen Ed Humanities Course	*Gen Ed Humanities Course
Any Gen Ed Social Science Course	*Gen Ed Social Science Course
Program Requirement Course	<b>ETD2563C</b>
Program Requirement Course	<b>**ETD2390</b>
Program Requirement Course	BCT2772
Program Requirement Course	<b>**IDS2182</b>
<b>TOTAL SEMESTER HOURS</b>	<b>18 HOURS</b>
<b>COMPLETED HOURS</b>	<b>62 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.

\*\* Students who take these courses will also earn credit towards additional certificates:



# 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