



2014 – 2015 INDUSTRY, MANUFACTURING & CONSTRUCTION

META-MAJOR

ASSOCIATE IN SCIENCE (AS) IN DRAFTING AND DESIGN TECHNOLOGY- SURVEYING/GIS SPECIALIZATION

FALL SEMESTER START

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-Surveying/GIS specialization. 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. Summer semesters are not included in this plan but are an option for taking courses. 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 st Gen Ed Communications Course	ENC1101
Math requirement	MAC1105
Program Requirement Course	SUR2533
Program Requirement Course	EGS1111C**
Program Requirement Course	SUR2390
TOTAL SEMESTER HOURS	15 HOURS
COMPLETED HOURS	15 HOURS

TERM 2 - SPRING SEMESTER	Suggested Courses
2nd Gen Ed Communications Course	ENC1102/ENC1141/MMC1100
Program Requirement Course	ETD1320**
Program Requirement Course	SUR2392
Program Requirement Course	SBM2000
Program Requirement Course	SUR2534
Computer requirement	CGS1060 or CGS2100
TOTAL SEMESTER HOURS	18 HOURS
COMPLETED HOURS	33 HOURS

TERM 3 - SUMMER SEMESTER (optional)	Suggested Courses
Program Requirement Course	Any program course in summer
Program Requirement Course	Any program course in summer
Program Elective	Any college-credit course 2 credits
TOTAL SEMESTER HOURS	OPTIONAL

TERM 4 - FALL SEMESTER	Suggested Courses
Program Requirement Course	ETD2340**
Program Requirement Course	SUR2100C
Program Requirement Course	BCN1001
Program Requirement Course	IDS2182**
Any General Ed Humanities Course	*
TOTAL SEMESTER HOURS	15 HOURS
COMPLETED HOURS	48 HOURS

MANDATORY HOURLY REQUIREMENT

By 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

By 18 Completed Credit Hours
Overall 2.0 TCC GPA or higher to graduate
Receive IC3 certification
Receive AutoDesk AutoCAD certification

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

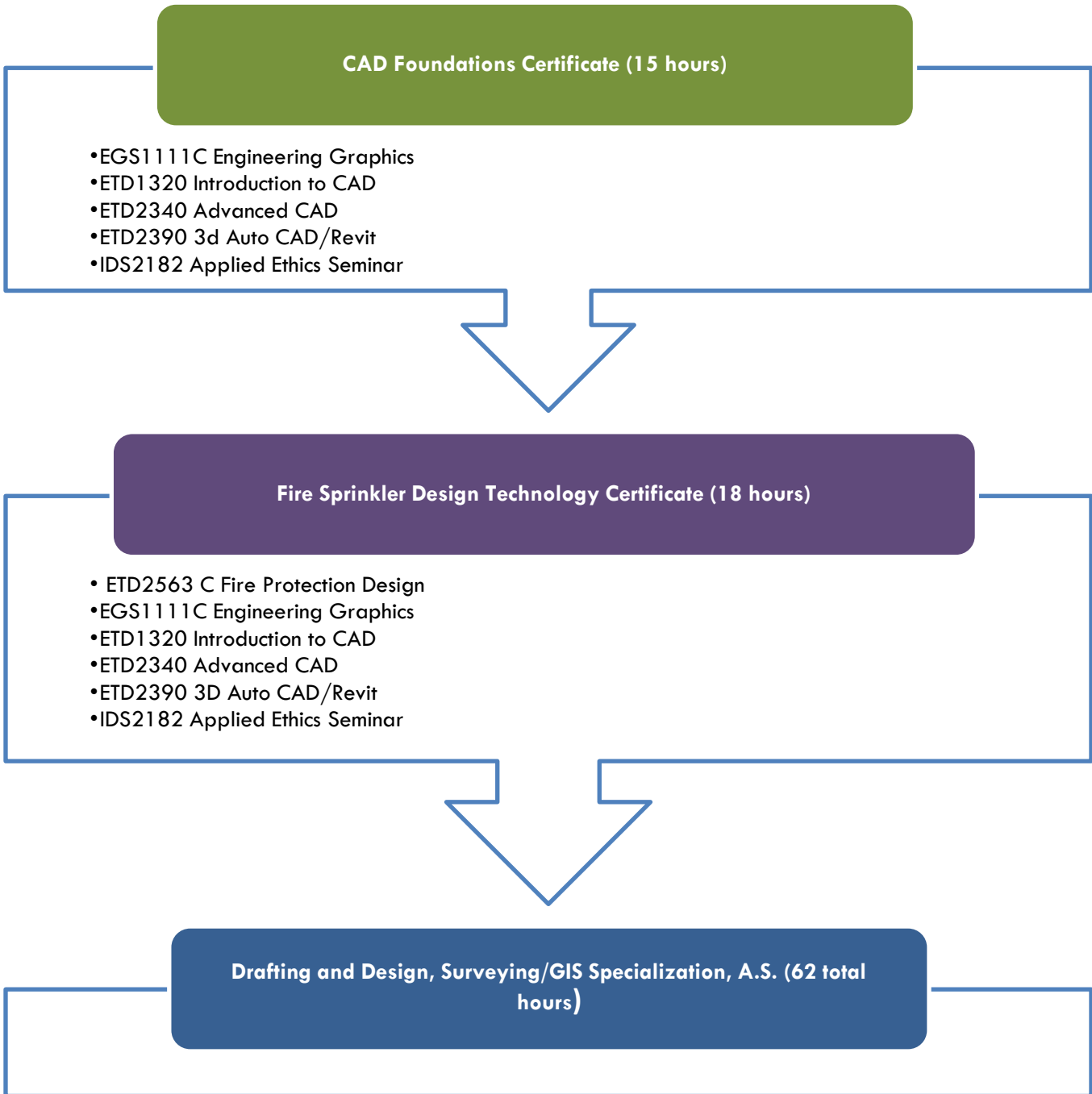
By 45 Completed Credit Hours
Graduation Check Workshop
Meet with Career Placement Coordinator in TCC Career Center
Overall 2.0 TCC GPA or higher to graduate

TERM 5 - SPRING SEMESTER	Suggested Courses
Program Requirement Course	ETD2563C
Program Requirement Course	ETD2390**
Program Requirement Course	SUR2220C
General Ed Social Science Course	*
Program Elective	Any college-credit course 2 credits
TOTAL SEMESTER HOURS	14 HOURS
COMPLETED HOURS	62 HOURS TO GRADUATE

LAST SEMESTER
*** Apply for Graduation!!***
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 go towards both CAD certificate and Fire Sprinkler Certificate



MAJORS AND OCCUPATIONS IN THE INDUSTRY, MANUFACTURING AND CONSTRUCTION META MAJOR

MAJOR	OCCUPATION(S)	SUGGESTED ACADEMIC DEGREE(S)/LEVELS
Building Construction Management	Foreman	A, B
	Assistant Superintendent	A, B
	Estimator	A, B
	Building Inspector	A, B
	Expeditor	A, B
Drafting and Design Technology, AS	Drafter	A
	Computer-aided Design (CAD) Technician	A
	CAD Specialist	A
	Geographic Information System (GIS) Technician	A
	Assistant Surveyor	A
Engineering Technology, AS	Industrial Machinery Mechanic	A
	General/Operations Manager	A
	Production/Operations Worker/Supervisor	A
	Supervisor of Mechanics	A
	Installer/Repairer	A
Operations and Construction Management	Operations Analyst/Manager	B, M
	Productions Planner	B, M
	Logistics Specialist	B, M
	Distribution Analyst/Manager	B, M
	Inventory Control Analyst/Manager	B, M
Aeronautics	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
Aviation Business Administration	Aviation Team Leader	B, M
	Aviation Dispatcher	B, M
	Aviation Accountant	B, M
	Aviation Training Instructor	B, M
	Aviation Technician	B, M
Aviation Maintenance	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
Computer Numerical Control (CNC) Machinist, Certificate	Front-line Supervisor of Production Workers	C
	CNC Operator	C
	Machinist	C
	Lathe Operator	C
	Custom Shop Worker	C
Applied Welding Technologies, Certificate	Aluminum Welder	C
	Fabricator	C
	Fitter/Welder	C
	Brazer	C
	Solderer	C
Heating, Ventilation, and Air Conditioning (HVAC), Certificate	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

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