



2016 -2017



DEGREE MAP ASSOCIATE IN ARTS (AA) WITH AN EMPHASIS IN INDUSTRY, MANUFACTURING, & CONSTRUCTION

Meta-majors are academic pathways to help you meet your occupations and educational goals. Included below is a sample schedule for a **full-time college student** on an Associate in Arts (AA) degree track who intends to transfer to a four-year college or university with a major related to Industry, Manufacturing, and Construction. The suggested courses are based upon the common pre-requisites needed for majors in this meta-major. 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 before the hold may be removed. Please be advised that not all types of financial aid will cover the cost of those semester courses.

****PLEASE REFER TO YOUR SPECIFIC TRANSFER MAJOR INFORMATION FOR INFORMATION ON SPECIFIC PRE-REQUISITES, GPA, AND ADDITIONAL ADMISSIONS REQUIREMENTS****

SAMPLE FULLTIME SCHEDULE

FALL SAMPLE SCHEDULE	Suggested Courses
Communications State Core Course	ENC1101
Mathematics State Core Course	MAC1105
TCC Social Science Core Group 3	SLS1510 or SLS2261
Elective/Transfer Major Prerequisite	CGS1060/CGS1030/CGS2100
TOTAL SEMESTER HOURS	12 HOURS
COMPLETED HOURS	12 HOURS

SPRING SAMPLE SCHEDULE	Suggested Courses
Communications TCC Core Course	ENC1102/ENC1141/MMC1100
Mathematics TCC Core Course	MAC1140
Social Science TCC Core Course	*
Science TCC Core Course	GLY2010 & GLY2010L
TOTAL SEMESTER HOURS	12 HOURS
COMPLETED HOURS	24 HOURS

SUMMER SAMPLE SCHEDULE	Suggested Courses
Social Science State Core Course	*
Foreign Language /Elective/Transfer Major Prerequisite	*
TOTAL SEMESTER HOURS	6 HOURS
COMPLETED HOURS	30 HOURS

FALL SAMPLE SCHEDULE	Suggested Courses
Social Science TCC Category 1 Course	*
Humanities State Core Course	*
Foreign Language /Elective/Transfer Major Prerequisite	MAC1114
Elective/Transfer Major Prerequisite	EGS1111C
TOTAL SEMESTER HOURS	12 HOURS
COMPLETED HOURS	42 HOURS

SPRING SAMPLE SCHEDULE	Suggested Courses
Science State Core Course	CHM1045 & CHM1045L
Humanities TCC Core Course	*
Foreign Language/Elective/Transfer Major Prerequisite	MAC2311
Elective/Transfer Major Prerequisite	*
TOTAL SEMESTER HOURS	12 HOURS
COMPLETED HOURS	54 HOURS

SUMMER SAMPLE SCHEDULE	Suggested Courses
Elective/Transfer Major Prerequisite	*
	SPC1017 or SPC2608
TOTAL SEMESTER HOURS	6 HOURS
COMPLETED HOURS	60 HOURS TO GRADUATE

*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.

MANDATORY HOURLY REQUIREMENTS

Must Complete Before 15 Credit Hours
Communications State Core Course: ENC1101
Mathematics State Core Course
Mandatory Advising Holds until complete 18 hours
Declare a Meta-Major
2.0 or higher TCC GPA & Cumulative GPA
Check transfer major pre-requisites & required GPA

Must Complete Before 18 Completed Credit Hours
Declare a Transfer Major in TCC Passport
Declare a Transfer Institution in TCC Passport
TCC Social Science Core Group 3 Course
2.0 or higher TCC GPA & Cumulative GPA
Check transfer major pre-requisites & required GPA

Must Complete Before 30 Completed Credit Hours
Communications TCC Core Course
Mathematics TCC Core Course
Apply to Transfer Institution two semesters early
2.0 or higher TCC GPA & Cumulative GPA
Check transfer major pre-requisites & required GPA

Must Complete Before 45 Completed Credit Hours
Attend Graduation Check Workshop
2.0 or higher TCC GPA & Cumulative GPA
Check transfer major pre-requisites & required GPA

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

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.

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

MAJOR	OCCUPATION(S)	SUGGESTED ACADEMIC DEGREE(S)/LEVELS
Building Construction Management	Foreman	AS, B
	Assistant Superintendent	AS, B
	Estimator	AS, B
	Building Inspector	AS, B
	Expeditor	AS, B
Drafting and Design Technology	Drafter	AS
	Computer-aided Design (CAD) Technician	AS
	CAD Specialist	AS
	Geographic Information System (GIS) Technician	AS
	Assistant Surveyor	AS
Engineering Technology	Industrial Machinery Mechanic	AS
	General/Operations Manager	AS
	Production/Operations Worker/Supervisor	AS
	Supervisor of Mechanics	AS
	Installer/Repairer	AS
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	Front-line Supervisor of Production Workers	C
	CNC Operator	C
	Machinist	C
	Lathe Operator	C
	Custom Shop Worker	C
Applied Welding Technologies	Aluminum Welder	C
	Fabricator	C
	Fitter/Welder	C
	Brazer	C
	Solderer	C
Heating, Ventilation, and Air Conditioning (HVAC)	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
- 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.*