



2014 – 2015

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

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 degree track who intends to transfer to a four-year college or university with a major related to Science, Technology, Engineering, and Mathematics. 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. PLEASE REFER TO SPECIFIC TRANSFER MAJOR INFORMATION FOR ADVISING ON SPECIFIC AND ADDITIONAL COURSE REQUIREMENTS.

SAMPLE FULLTIME SCHEDULE

1 st SEMESTER SAMPLE SCHEDULE	Suggested Courses
First Gen Ed Communications Course	ENC1101
First Mathematics Course	MAC1105
Personal Development Course	*
General Education History Course	*
US Constitution Requirement	*
TOTAL SEMESTER HOURS	13 to 15 HOURS
COMPLETED HOURS	13 to 15 HOURS

2 nd SEMESTER SAMPLE SCHEDULE	Suggested Courses
Second Gen Ed Communications	ENC1102/ENC1141/MMC1100
Second Mathematics Course	MAC1140 & MAC1114/MAC1147
General Education History Course	*
General Education Science Course	CHM1045 & CHM1045L
Elective/Transfer Major Prerequisite	
TOTAL SEMESTER HOURS	16 HOURS
COMPLETED HOURS	28 to 31 HOURS

3 rd SEMESTER SAMPLE SCHEDULE	Suggested Courses
General Education Science Course	CHM1046 & CHM1046L
General Education Humanities Course	*
Elective/Transfer Major Prerequisite	MAC2311
Elective/Transfer Major Prerequisite	BSC2010 & BSC2010L
Elective/Transfer Major Prerequisite/Computer Literacy/Foreign Language	*
TOTAL SEMESTER HOURS	18 HOURS
COMPLETED HOURS	43 to 47 HOURS

4 th SEMESTER SAMPLE SCHEDULE	Suggested Courses
General Education Social Science	*
Elective/Transfer Major Prerequisite	PHY2048 & PHY2048L
Elective/Transfer Major Prerequisite	CHM2210 & CHM2210L
Elective/Transfer Major Prerequisite	Additional Mathematics Course
Elective/Transfer Major Prerequisite/Computer Literacy/Foreign Language	*
TOTAL SEMESTER HOURS	17 HOURS
COMPLETED HOURS	60 HOURS TO GRADUATE

MANDATORY HOURLY REQUIREMENT

Before 15 Completed Credit Hours
ENC1101
MAC1105
Attend First Semester Advising Workshop
Meet with an Advisor
Declare a Meta-Major
Overall 2.0 TCC GPA or higher to graduate
Check transfer major courses & required GPA

Before 18 Completed Credit Hours
Declare a Transfer Major in TCC Passport
Declare a Transfer Institution in TCC Passport
Overall 2.0 TCC GPA or higher to graduate
Check transfer major courses & required GPA

Before 30 Completed Credit Hours
ENC1102/ENC1141/MMC1100
MAC1140 & MAC1114/MAC1147
Apply to Transfer Institution two semesters early
Overall 2.0 TCC GPA or higher to graduate
Check transfer major courses & required GPA

Before 45 Completed Credit Hours
Attend Graduation Check Workshop
Overall 2.0 TCC GPA or higher to graduate
Check transfer major courses & required GPA

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.

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

MAJOR	OCCUPATION(S)	SUGGESTED ACADEMIC DEGREE(S)/LEVELS
Food and Nutrition Science	Nutritionist	B, M
	Food Editor	B, M
	Food Scientist	B, M
	Product Development Researcher	B, M
	Quality Control Analyst	B, M
Exercise Science	Activities Director	B, M
	Health and Fitness Advisor	B, M
	Exercise Physiologist	B, M
	Fitness Instructor/Consultant	B, M
	Corporate Fitness Manager	B, M
Biological Science	Laboratory Assistant/Technician	B, M
	Biotechnologist	B, M
	Crime Laboratory Analyst	B, M
	Wildlife Biologist/Zoo Keeper	B, M
	Biology Professor	B, M
Computer Programming	Database Administrator	A, B, M
	Software designer/Engineer	A, B, M
	Software Quality Assurance Engineer	A, B, M
	Systems Analyst/Designer	A, B, M
	Web Developer	A, B, M
Help Desk/Technical Support	User Support Technician	A, B, M
	Help Desk Assistant	A, B, M
	Computer Support Specialist	A, B, M
	Troubleshooting Specialist	A, B, M
	Technical Support Staff	A, B, M
Web Technologies	Web Master	A, B, M
	Web Server Administrator	A, B, M
	Web Technician	A, B, M
	HTML Author	A, B, M
	Site Designer	A, B, M
Cybersecurity	Computer Security Investigators	C, A, B, M
	Information Security Specialist/Manager	C, A, B, M
	Information Technology Security Analyst	C, A, B, M
	Data Security Administrator	C, A, B, M
	Security Research Analyst	C, A, B, M
Graphic Design Technology, AS	Graphic Artist	A
	Graphic Design Assistant	C, A
	Marketing Assistant	A
	Web page Designer	A
	Associate Art Director	A
Civil Engineering	Structural Engineer	A, B, M
	Transportation and Pipeline Engineer	A, B, M
	Highway Engineer	A, B, M
	Construction Engineer	A, B, M
	Geotechnical Engineer	A, B, M
Mathematics	Mathematician	B, M
	Teacher/Professor	B, M
	Economist	B, M
	Operations Research Analyst	B, M
	Statistician	B, M

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