



2015 – 2016

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

MANDATORY HOURLY REQUIREMENT

1 st SEMESTER SAMPLE SCHEDULE	Suggested Courses
Communications State Core Course	ENC1101
Mathematics State Core Course	MAC1105
TCC Social Science Core Group 3	SLS1510 or SLS2261
Social Science State Core Course	PSY2012
Elective/Transfer Major Prerequisite	SPC1017 or SPC2608
TOTAL SEMESTER HOURS	15 HOURS
COMPLETED HOURS	15 HOURS

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

2 nd SEMESTER SAMPLE SCHEDULE	Suggested Courses
Communications TCC Core Course	ENC1102/ENC1141/MMC1100
Mathematics TCC Core Course	MAC1140 & MAC1114/MAC1147
Science State Core Course	CHM1045 & CHM1045L
Humanities State Core Course	*
Foreign Language /Elective/Transfer Major Prerequisite	*
TOTAL SEMESTER HOURS	16 HOURS
COMPLETED HOURS	31 HOURS

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 courses & required GPA

3 rd SEMESTER SAMPLE SCHEDULE	Suggested Courses
Science TCC Core Course	BSC2010 & BSC2010L
Humanities TCC Core Course	*
Social Science TCC Core Course	*
Elective/Transfer Major Prerequisite	CHM1046 & CHM1046L
Foreign Language /Elective/Transfer Major Prerequisite	MAC2311 HUN1201 – Exercise Science/Nutrition/Dietetics Majors
TOTAL SEMESTER HOURS	17 to 19 HOURS
COMPLETED HOURS	48 to 50 HOURS

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

4 th SEMESTER SAMPLE SCHEDULE	Suggested Courses
Social Science TCC Category 1 Course	*
Elective/Transfer Major Prerequisite	PHY2048 & PHY2048L
Elective/Transfer Major Prerequisite	BSC2011 + BSC2011L
Foreign Language /Elective/Transfer Major Prerequisite	MAC2312
TOTAL SEMESTER HOURS	16 HOURS
	60 HOURS TO GRADUATE

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

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

*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.

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

MAJOR	OCCUPATION(S)	SUGGESTED ACADEMIC DEGREE(S)/LEVELS
Food & Nutrition Science or Exercise Science	Nutrition Consultant	B, M
	Food Product Developer	B, M
	Quality Control Analyst	B, M
	Health and Fitness Instructor/Advisor	B, M
	Clinical Exercise Physiologist	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 Science	Database Administrator	B, M
	Software Designer/Engineer	B, M
	Software Quality Assurance Engineer	B, M
	Systems Analyst/Designer	B, M
	Web Developer	B, M
Help Desk/Technical Support or Web Technologies	Computer Support Specialist	AS, B, M
	Troubleshooting Specialist	AS, B, M
	Web Master	AS, B, M
	HTML Author	AS, B, M
	Site Designer	AS, B, M
Graphic Design Technology	Graphic Artist	AS
	Graphic Design Assistant	C, AS
	Marketing Assistant	AS
	Web page Designer	AS
	Associate Art Director	AS
Engineering	Structural Engineer	AS, B, M
	Transportation and Pipeline Engineer	AS, B, M
	Highway Engineer	AS, B, M
	Construction Engineer	AS, B, M
	Geotechnical Engineer	AS, B, M
Mathematics	Mathematician	B, M
	Teacher/Professor	B, M
	Economist	B, M
	Operations Research Analyst	B, M
	Statistician	B, M
Environmental Science Technology/Studies	Environmental Science & Protection Technician	AS
	Horticulturist	B
	Wetlands Ecologist	B
	Wildlife Conservationist	B
	Fish & Game Warden	B
Chemistry or Physics	Chemist	B
	Food & Drug Inspector	B
	Medical Laboratory Technician	B
	Biophysicist	B
	Biomedical Engineer	B
Meteorology	Meteorologist	B
	Weather Production Coordinator	B
	Storm Chaser	B
	Broadcast Meteorologist	B
	Air Traffic Controller	B

C Certificate
 AS Associate in Science Degree
 B Bachelor's Degree
 M Master's Degree
 D Doctorate