

Recommended Academic Plan for "STEM Transfer" Mathematics

Degree:
Associate of
Science



This plan is a suggested semester-by-semester plan. It is designed to keep you on track for a timely graduation. This plan is not a substitute for academic advising. Contact an advisor for further information regarding placement based on placement exam scores, scheduling, degree requirements, and graduation requirements.

Semester 1				
Course	Credits	Prerequisite	Milestone/Notes	Completed
Written Communication	3	Placement test	Select from ENG 101, 102, or 103	
Civics	3		Select from HST 101, HST 102, or PSC 101	
MTH 210: Analytic Geometry and Calculus I	5	Placement test		
Elective	3		Students should review the academic requirements of their preferred 4-year transfer institution to select courses	
Subtotal	14			

Semester 2				
Course	Credits	Prerequisite	Milestone/Notes	Completed
Written Communication	3	Placement test	Select from ENG 101, 102, or 103	
MTH 220: Analytic Geometry and Calculus II	5			
Elective	3			
Elective	3			
Elective	3			
Subtotal	17			

Semester 3				
Course	Credits	Prerequisite	Milestone/Notes	Completed
MTH 230: Analytic Geometry and Calculus III	5			
Science Elective	4-5		Select from BIO 111, BIO 140, BIO 141, CHM 105, CHM 106, PHY 111, PHY 112, PHY 122, or PHY 123	
Elective	3			
Elective	3			
Subtotal	15-16			

Semester 4				
Course	Credits	Prerequisite	Milestone/Notes	Completed
Science Elective	4-5		Select from BIO 111, BIO 140, BIO 141, CHM 105, CHM 106, PHY 111, PHY 112, PHY 122, or PHY 123	
MTH 240: Differential Equations	3		Apply for graduation	
MTH 215: Linear Algebra	3			
Elective	3		Make sure you have completed 60 credit hours	
Subtotal	13-14			

Total Hours in the Program: 60

*See Catalog for classes that will fulfill the elective requirements catalog.stlcc.edu

**Students completing STLCC's Missouri General Education requirements will receive verification on their transcripts that is recognized by all Missouri public colleges and universities.

***It is your responsibility to verify that the courses listed above will transfer to the four-year institution of your choice.

Maximize your transfer credits/classes by meeting with an academic advisor.

“STEM Transfer” - Associate of Science Quick Checklist

Required Courses

Written Communication	3	Select from ENG 101, ENG 102, or ENG 103
Civics	3	Select from HST 101, HST 102, or PSC 101
Science elective	7	
Mathematics Elective	5	
General Education	15	Humanities, communication, natural science, math, social science
Required Core Total Credit Hours	33	

SUGGESTED ELECTIVE COURSES

Engineering Science	Credit Hours	Computer Science	Credit Hours	Health Science	Credit Hours
		MTH 177: Finite Mathematics			
		MTH 212: Discrete Mathematics			
Biology	Credit Hours	Mathematics	Credit Hours	Chemistry	Credit Hours
MTH 180: Statistics		CHM 105: General Chemistry I		BIO 140: General Biology	
BIO 225: Genetics		CHM 106: General Chemistry II		PHY 122: Engineering Physics I	
		PHY 122: Engineering Physics I		PHY 223: Engineering Physics II	
		PHY 223: Engineering Physics II			

For more information, please see stlcc.edu/Programs/Degrees or consult the College Catalog at catalog.stlcc.edu

Advisor Contact Information

Name
Phone
Email