

MATHEMATICS ACADEMIC FOCUS PLAN

Academic Focus Plans are a suggested semester-by-semester course schedule with classes designed to help you transfer into your desired major at your chosen 4-year college. Focus plans do not substitute for academic advising. Contact an advisor for further information regarding placement based on Placement exam scores, scheduling, degree requirements, and graduation requirements. Your official degree that you will be pursuing at St. Louis Community College with this focus plan is the Associate in Arts - General

Transfer Studies (<http://catalog.stlcc.edu/programs/aa-general-transfer-studies/#programrequirementstext>).

Missouri Civics Examination. Students entering college for the very first time in fall 2019 and who intend to complete an associate's degree must successfully complete a civics examination. Information on who is eligible for a waiver can be found on the STLCC website (<https://stlcc.edu/programs-academics/missouri-civics-exam.aspx>).

PLEASE NOTE: If you originally enrolled at STLCC prior to Spring 2023, you may need to view an archived catalog (<https://www.stlcc.edu/programs-academics/course-catalog/>) for your correct program requirements. Please speak with an advisor or the program coordinator for more information.

Code	Title	Hours	Prerequisites	Milestones/Notes
First Year				
Fall				
ENG 101	College Composition I (MOTR ENGL 100)	3	Placement score or ENG 030 or ENG 070 with a grade of "C" or better or recommendation of department and Reading Proficiency or concurrent enrollment in RDG 079	
MTH 210	Analytic Geometry and Calculus I	5	MTH 185 or (MTH 160 or MTH 160S and MTH 170) with grades of "C" or better or satisfactory score on placement test and Reading Proficiency	
HST 101	United States History to 1865 (MOTR HIST 101) (or any other Civics course)	3	Reading Proficiency or concurrent enrollment in RDG 079	
Humanities and Fine Arts Requirement		3		Select from PHL 103, PHL 104, ENG 201, ENG 202, ENG 204, ENG 205, ENG 211, ENG 216, ENG 217, or ENG 231.
Credit Hours		14		
Spring				
ENG 102	College Composition II (MOTR ENGL 200)	3	ENG 101 with a minimum grade of "C" and Reading Proficiency	
ECO 151	Principles of Macroeconomics (MOTR ECON 101)	3	Concurrent enrollment in MTH 140S, or placement into MTH 140, MTH 160 or MTH 185, and Reading Proficiency	
MTH 220	Analytic Geometry and Calculus II	5	MTH 210 with a grade of "C" or better and Reading Proficiency	
PHY 122	Engineering Physics I (MOTR PHYS 200L)	5	MTH 210 with a minimum grade of "C" and Reading Proficiency	
Credit Hours		16		
Summer				
ECO 152	Principles of Microeconomics (MOTR ECON 102)	3	Concurrent enrollment in MTH 140S, or placement into MTH 140, MTH 160, or MTH 185, and Reading Proficiency	
COM 107 or 101 or 201	Public Speaking (MOTR COMM 110) or Oral Communication I (MOTR COMM 100) or Interpersonal Communication (MOTR COMM 120)	3	Reading Proficiency	If transferring to Saint Louis University, COM 107 is highly recommended.
Credit Hours		6		

Second Year				
Fall				
CHM 105	General Chemistry I (MOTR CHEM 150L)	5	MTH 140 (or MTH 140S or at least one and a half years of high school algebra) and CHM 101 with a minimum grade of "C" or one year of high school chemistry, and Reading Proficiency	
PHL 102 or 103 or 104	Introduction to Logic (MOTR PHIL 101) or World Religions (MOTR RELG 100) or Ethics (MOTR PHIL 102)	3	Reading Proficiency	
MTH 230	Analytic Geometry and Calculus III	5	MTH 220 with a grade of "C" or better and Reading Proficiency	
	Credit Hours	13		
Spring				
MTH 215	Linear Algebra	3	MTH 210 with a grade of "C" or better and Reading Proficiency	Apply for graduation.
MTH 240	Differential Equations	3	MTH 230 with a grade of "C" or better and Reading Proficiency	
ART 109	Drawing I (MOTR PERF 105D)	3	Reading Proficiency	Other options are ART 100, ART 101, ART 102, ART 103, ART 113, ART 115, ART 165, MCM 130, MUS 103, MUS 113, MUS 114, MUS 128, MUS 131, MUS 134, MUS 135, MUS 212, THT 101, or THT 108.
IS 167	C++ Programming I	4	Reading Proficiency	
	Credit Hours	13		
	Total Credit Hours	62		

*Click on the hyperlinked course number to view additional information about the course.

**Students completing a course that has been assigned a MOTR number may transfer that course to any public institution in Missouri. Those who complete CORE 42 requirements will have that verification on their transcript.

*** 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.