














This Academic Plan is a semester-by-semester plan for the full-time college-ready student. Part-time students should work with an advisor to customize to fit individual needs. Plan includes minimum 42 general education  credit hours with MOTR CORE 42 completion, and minimum 62 total credit hours required for Associate of Arts (A.A.) transfer degree. Consider bachelor's degree requirements at transfer institutions and future career goals when selecting specific courses. See an advisor for assistance.

ACADEMIC PLAN		NOTES
Fall 1st Year		Cr Hrs
 ENG101 English Composition I	3	Semester 1
Elective MTH180 Calculus I	5	
Elective First Year Experience	1-3	
 Physical Science*	5	
 Humanities course (PHL 101 Logic recommended)	3	
Total Credit Hours		

Spring 1st Year		Cr Hrs	Semester 2
 ENG102 English Composition II	3		
Elective MTH185 Calculus II	5		
Elective CIS155 Intro to Computer Programming	3		
 Constitution requirement	3		
 Humanities course	3		
Total Credit Hours			17

Fall 2nd Year		Cr Hrs	Semester 3
 Biological Science*	3		
 American History / American Government	3		
Elective MTH201 Calculus III	5		
Elective MTH172 Linear Algebra	3		
 Social Science requirement*	3		
Total Credit Hours			17

Spring 2nd Year		Cr Hrs	Semester 4
Elective MTH205 Differential Equations	3		
 Social Science requirement*	3		
Elective Computer Literacy requirement	3		
 Communications requirement	3		
 Humanities course	3		
Total Credit Hours			15

Program Description: The Mathematics department provides students with a strong mathematical background. This enables them to transfer to a four-year institution as juniors and to be successful in their pursuit of either a bachelor of science or a bachelor of arts in mathematics. Students desiring to teach mathematics at K-12 level, should see the Education Academic Plan.

Admission Requirements: Must meet first-semester course prerequisites.

Department Faculty Advisors: John Johny, Constance Kuchar, Dianne Marquart, Skyler Ross, and Imran Shah, Lindsay Steighorst

Division Chair: Robert Brieler, Ph.D.

Employment Outlook/Median Salary*:

Career	Degree Level Required	** Growth	Median Annual Salary
Mathematician	Masters	23%	\$101,360
Post-Secondary Teachers	Master's/Ph.D.	19%	\$68,970
Statistician	Master's	27%	\$75,560
Actuaries	Bachelor's	26%	\$93,680
Operations Research Analyst	Bachelor's	27%	\$72,100
Market Research Analyst	Bachelor's	32%	\$60,300
Financial Analyst	Bachelor's	16%	\$76,950
High School Teachers	Bachelor's	6%	\$55,050

*Employment information based on current Bureau of Labor Statistics Occupational Outlook Handbook.

**Projected % of change in employment 2012-2022; the average for all occupations is 11%.

Jefferson College Program Highlights:

Transfer Information: While Jefferson College has no formal transfer agreement in mathematics with four-year institutions, we do have general transfer guides for most four-year schools. Additional information regarding transfer agreements for individuals seeking a bachelor's in mathematics can be found by clicking [here](#).