














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 the Associate of Arts (A.A.) transfer degree.

ACADEMIC PLAN		NOTES
Fall 1st Year		Semester 1
 ENG101 English Composition I	3	
MTH180 Calculus I	5	
COL100 or COL101	1	
 CHM111 General Chemistry	5	
 BIO102 Concepts in Biology	3	
Total Hours	17	

Spring 1st Year		Semester 2
 ENG12 English Composition II	3	
CIS125 Computer Concepts and Applications	3	
CHM112 General Chemistry II	5	
MTH185 Calculus II	5	
Total Hours	16	

Fall 2nd Year		Semester 4
 PSC102 U.S. and Missouri Governments and Constitutions	3	
CHM200 Organic Chemistry I	5	
 ECO101 Macroeconomics	3	
 Humanities course	3	
 Social Science Course	3	
Total Hours	17	

Spring 2nd Year		Semester 5
 HST103 US History I to Reconstruction	3	
CHM201 Organic Chemistry II	5	
 COM100 Fundamentals of Communication	3	
 Humanities Course	3	
 Humanities Course	3	
Total Hours	17	

Program Description: Natural sciences courses for preparation of students going into STEM fields and for transferal to 4-year university science programs upon completion at Jefferson College.
Mathematics, chemistry, and physics courses deemed significant for adequate STEM field preparation.

Admission Requirements:

Prerequisites: Reading proficiency and one of the following math requirements:
3.0+ HS GPA within 7 years
MTH002 or MTH084 with a grade of "C" or better
ACT math score of 18+ within two years
Accuplacer Next Gen advanced algebra functions score of 230+ within two years
Accuplacer Next Gen quantitative reasoning score of 230+ within two years
JC STEM Math Readiness score of 0-49 within two years
Accuplacer elementary algebra test score of 75+ within two years

Department Faculty Advisors: Wesley Whitfield, Sean Birke

Associate Dean: Kenny Wilson, MHS, PT, SCS, ATC

Pathway Navigator: David Smith

Employment Outlook/Median Salary*:

Career	Degree Level Required	**Growth	Median Annual Salary
Chemist and Materials Scientists	Bachelor	6%	80,000
Chemical Engineer	Bachelor	9%	108,000
Natural Science Manager	Bachelor	6%	137,000
Chemical Technicians	Associate	5%	49,000
Medical Scientist	Doctoral	17%	91,000

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

**Projected % of change in employment 2020-2030; the average for all occupations is 4%.

Jefferson College program Highlights:

Transfer Information:

Jefferson College has partnered with the following institutions to provide pathways for transfer:
Missouri Baptist University
Southeast Missouri State University
University of Missouri—St. Louis
Missouri Science and Technology