










The 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 a minimum 35 general education  credit hours with MOTR CORE 42 completion and minimum 62 total credit hours required for the Associate of Science (A.S.) transfer degree.

ACADEMIC PLAN		NOTES	
<b>Fall 1<sup>st</sup> Year</b>		<b>Cr Hrs</b>	<b>Semester 1</b>
	BIO103 Biology for Majors	4	
	CHM 111 General Chemistry I	5	
	MTH141 Precalculus	5	
	COL100 College Freshman Seminar	1	
	<b>Total Hours</b>	<b>15</b>	

<b>Spring 1<sup>st</sup> Year</b>		<b>Cr Hrs</b>	<b>Semester 2</b>
	BIO104 Biology for Majors II	4	
	CHM112 General Chemistry II	5	
	ENG101 English Composition I	3	
	CIS125 Computer Concepts and Applications	5	
	<b>Total Hours</b>	<b>15</b>	

<b>Summer Semester</b>		<b>Cr Hrs</b>	
	ENG102 English Composition II	3	
	<b>Total Hours</b>	<b>3</b>	

<b>Fall 2<sup>nd</sup> Year</b>		<b>Cr Hrs</b>	<b>Semester 3</b>
	CHM200 Organic Chemistry I	5	
	BIO201 Genetics	4	
	Civics requirement	3 or 4	
	Humanities or Social Science	3	
	<b>Total Hours</b>	<b>15-16</b>	

<b>Spring 2<sup>nd</sup> Year</b>		<b>Cr Hrs</b>	<b>Semester 4</b>
	CHM201 Organic Chemistry II	5	
	BIO Elective	3 or 4	
	Humanities or Social Science	3	
	BIO Elective	3 or 4	
	<b>Total Hours</b>	<b>14-15</b>	

**Program Description:** The Associate of Science in Biology (ASB) aims to prepare students for continuing study in biological or health care sciences at the baccalaureate level or beyond. The ASB is perfect for pre-medical, pre-pharmacy, pre-Physical Therapy/Occupational Therapy, etc. The ASB is a great starting point for individuals interested in working biotechnology, laboratory, or environmental research.

**Admission Requirements:** Must meet first-semester course prerequisites.

**Department Faculty Advisors:** Marialana Speidel, Vivian AuBuchon, Dr. Stephanie Grubb, Simon Bade, James McDowall, Sarah Schlereth

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

**Pathway Navigator:** David Smith

**Employment Outlook/Median Salary\*:**

Career	Degree Level Required	**Growth	Median Annual Salary
Biological Technicians	Bachelor	7%	46,340
Conservation Scientists and Foresters	Bachelor	7%	64,010
Environmental Science and Protection Technicians	Associate	11%	46,850
Environmental Scientists and Specialists	Bachelor	8%	73,230
Forensic Science Technicians	Bachelor	16%	60,590
Medical Scientists	Doctoral	17%	91,510
Microbiologist	Bachelor	5%	84,400
Zoologist and Wildlife Biologist	Bachelor	5%	66,350

\*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:** Program will permit students to transfer to four-year partners to work on further biologic or health care studies. Program sets students up for success in a number of potential scientific and health careers.

**Transfer Information:** Jefferson College has articulation agreements with the following four-year institutions:

University of Health Science and Pharmacy, Logan University, Southeast Missouri State University, University of Missouri Saint Louis, Missouri State University and Central Methodist University