

















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 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.

| ACADEMIC PLAN  |  | NOTES         |                   |
|--|--|---------------|-------------------|
| <b>Fall 1<sup>st</sup> Year</b>  |  | <b>Cr Hrs</b> | <b>Semester 1</b> |
|  ENG101 English Composition I                  |  | 3             |                   |
|  BIO205 General Botany                         |  | 5             |                   |
| AA req COL101 Introduction to College  |  | 1             |                   |
|  MTH134 College Algebra                        |  | 3             |                   |
| AA req CIS125 Computer Concepts and Applications   |  | 3             |                   |
| <b>Total Credit Hours</b>  |  | <b>15</b>     |                   |
| <b>Spring 1<sup>st</sup> Year</b>  |  | <b>Cr Hrs</b> | <b>Semester 2</b> |
|  ENG102 English Composition II                 |  | 3             |                   |
|  BIO206 General Zoology                        |  | 5             |                   |
|  Social/Behavioral Science elective           |  | 3             |                   |
|  Social/Behavioral Science elective          |  | 3             |                   |
|  Humanities elective                         |  | 3             |                   |
| <b>Total Credit Hours</b>  |  | <b>17</b>     |                   |
| <b>Fall 2<sup>nd</sup> Year</b>  |  | <b>Cr Hrs</b> | <b>Semester 3</b> |
|  CHM111 General Chemistry I                  |  | 5             |                   |
|  BIO109 Ecology & Environmental Conservation |  | 3             |                   |
|  COM100 or COM110 Communications requirement |  | 3             |                   |
|  Civics                                      |  | 3             |                   |
|  Humanities elective                         |  | 3             |                   |
| <b>Total Credit Hours</b>  |  | <b>17</b>     |                   |
| <b>Spring 2<sup>nd</sup> Year</b>  |  | <b>Cr Hrs</b> | <b>Semester 4</b> |
| Elective CHM112 General Chemistry II   |  | 5             |                   |
| Elective Biology elective  |  | 3             |                   |
|  Social/Behavioral Science elective          |  | 3             |                   |
|  Humanities elective                         |  | 3             |                   |
| <b>Total Credit Hours</b>  |  | <b>14</b>     |                   |

**Program Description:** The Biology Department at Jefferson College provides students with a strong foundation in the study of the life sciences. Students working toward a degree in any of the Natural Sciences have the opportunity to investigate each of the major areas of study of all life forms starting with the microscopic to the most complex. The department serves a wide range of students from non-majors fulfilling their graduation requirements in the biological sciences to those pursuing pre-professional programs such as pre-medicine and pre-pharmacy, as well as many Allied Health professions. The Biology department also works cooperatively with Career and Technical Education at Jefferson College in the Nursing and Veterinary Technology curriculum.

**Admission Requirements:** Must meet first-semester course pre-requisites

**Department Faculty Advisors:** Vivian Aubuchon, Bruce Carr, Stephanie Grubb, Patricia McDaniel, Dora Mitchell, Marialana Speidel

**Interim Associate Dean:** Terry Kite

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

| Career                                  | Degree Level Required | ** Growth | Median Annual Salary |
|---|-----------------------|-----------|----------------------|
| Biochemist & Biophysicist               | Doctoral              | 19%       | \$81,480             |
| Biological Technician                   | Baccalaureate         | 10%       | \$39,750             |
| Conservation Scientists and Foresters   | Baccalaureate         | 3%        | \$59,060             |
| Environmental Science & Protection Tech | Associate’s           | 19%       | \$41,240             |
| Environmental Scientists & Specialists  | Baccalaureate         | 15%       | \$63,570             |
| Epidemiologists                         | Master’s              | 10%       | \$65,270             |
| Forensic Science Technician             | Baccalaureate         | 6%        | \$52,840             |
| Medical Scientist                       | Doctoral              | 13%       | \$76,980             |
| Microbiologist                          | Baccalaureate         | 7%        | \$66,260             |
| Zoologist & Wildlife Biologist          | Baccalaureate         | 5%        | \$57,710             |

\*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%.

**Transfer Information:** Jefferson College has partnered with the following institutions to provide pathways for transfer:

Fontbonne University Missouri-Baptist University  
 University  
 Southeast Missouri State University University of Missouri-Saint Louis

The above list is not all-inclusive and is subject to change. Additional information regarding transfer agreements for individuals seeking a bachelor of biological science can be found by clicking [here](#).