

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 the map to fit individual needs.

| ACADEMIC PLAN | | NOTES |
|--|---------------|-------------------|
| Fall 1st Year | Cr Hrs | Semester 1 |
| MTH 180 Calculus I | 5 | |
| COL101 Introduction to College | 1 | |
| CIS 125 Introduction to Information Systems | 3 | |
| CHM 111 General Chemistry I | 5 | |
| ENG 101 Composition I | 3 | |
| Total Hours | 17 | |
| Spring 1st Year | | Semester 2 |
| MTH 185 Calculus II | 5 | |
| PHY 118 Introduction to Physics | 2 | |
| COM110 Public Speaking | 3 | |
| CHM 112 General Chemistry II | 5 | |
| ENG 102 Composition and Rhetoric II | 3 | |
| Total Hours | 18 | |
| Fall 2nd Year | | Semester 3 |
| CIS 155 Introduction to Computer Programming | 3 | |
| PHY223 Physics I | 4 | |
| Humanities Elective | 3 | |
| PSY 101 General Psychology | 3 | |
| American History/Government Elective | 3 | |
| Total Hours | 16 | |
| Spring 2nd Year | | Semester 4 |
| BIO 102 Concepts in Biology | 3 | |
| PHY 224 Physics II | 4 | |
| ECO 101 Macroeconomics | 3 | |
| PHL 102 Introduction to Philosophy | 3 | |
| HST 103 Constitution: National and State | 3 | |
| Humanities Elective | 3 | |
| Total Hours | 19 | |

Program Description: The Physical Science program provides students with important background courses in Physical Science principles with which they can pursue more specialized advanced courses. This enables our students to transfer to a four-year institution as juniors and be successful in their pursuit in a variety of Physical Science fields, such as Physics, Astronomy, and Geology.

Admission Requirements:

Department Faculty Advisors: Bob Brazzle, Tom Schuessler

Division Chair: Linda Abernathy

Employment Outlook/Median Salary*:

| Career | Degree Level Required | ** Growth | Median Annual Salary |
|--|-----------------------|-----------|----------------------|
| Physicists and Astronomers | Ph.D. | 10% | \$106,360 |
| Geoscientists | B.S. | 16% | \$90,890 |
| Atmospheric Scientists, Including Meteorologists | B.S. | 10% | \$89,260 |

**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:

- Missouri Baptist University
- Southeast Missouri State University
- University of Missouri—St. Louis
- Missouri Science and Technology

The above list is not comprehensive and is subject to change. Additional information about transferring to four-year institutions can be found [here](#).