## Biology, A.A.

## General Education Foundations

Please use this link to view a list of courses that meet each GEF requirement. (http://registrar.wvu.edu/gef/)
NOTE: Some major requirements will fulfill specific GEF requirements. Please see the curriculum requirements listed below for details on which GEFs you will need to select.

| Code | Title | Hours |
| :---: | :---: | :---: |
| General Education Foundations |  |  |
| F1-Composition \& Rhetoric |  | 3-6 |
| ENGL 101 \& ENGL 102 or ENGL 103 | Introduction to Composition and Rhetoric and Composition, Rhetoric, and Research Accelerated Academic Writing |  |
| F2A/F2B - Science \& Technology |  | 4-6 |
| F3-Math \& Quantitative Reasoning |  | 3-4 |
| F4 - Society \& Connections |  | 3 |
| F5-Human Inquiry \& the Past |  | 3 |
| F6-The Arts \& Creativity |  | 3 |
| F7- Global Studies \& Diversity |  | 3 |
| F8-Focus (may be satisfied by completion of a minor, double major, or dual degree) |  | 9 |
| Total Hours |  | 31-37 |

Please note that not all of the GEF courses are offered at all campuses. Students should consult with their advisor or academic department regarding the GEF course offerings available at their campus.

## Curriculum Requirements



## Suggested Plan of Study

First Year

| Fall | Hours | Spring | Hours |
| :---: | :---: | :---: | :---: |
| BIOL 115 |  | 4 ENGL 101 (GEF 1) | 3 |
| \& 115L (GEF 2) |  |  |  |
| CHEM 115 |  | 4 BIOL 117 | 4 |
| \& 115L (GEF 8) |  | \& 117L (GEF 8) |  |
| MATH 150 or 155 (GEF 3) |  | 3 CHEM 116 | 4 |
|  |  | \& 116L (GEF 8) |  |
| WVUE 191 |  | 1 Foreign Language | 3 |
| Foreign Language |  | 3 HLSC 270 (or Elective) | 1 |
|  |  | 15 | 15 |
| Second Year |  |  |  |
| Fall | Hours | Spring | Hours |
| ENGL 102 (GEF 1) |  | 3 BIOL 221 | 3 |
| BIOL 219 |  | 4 CHEM 234 | 4 |
| \& 219L |  | \& 234L |  |
| CHEM 233 |  | 4 GEF Elective (4, 5, or 6) | 3 |
| \& 233L |  |  |  |
| Foreign Language or Elective |  | 3 GEF Elective (4, 5, or 6) | 3 |
|  |  | Foreign Language or Elective | 3 |
|  |  | 14 | 16 |

Total credit hours: 60

## Major Learning Outcomes BIOLOGY

Upon completion of the associates in biology program, students will be able to:

1. Explain how information is stored, processed and used within cells and organisms.
2. Analyze how organisms obtain and process energy and matter.
3. Explain the primary forces of evolution, including how these forces lead to genetic differentiation and speciation.
4. Describe how biological structures dictate their function.
5. Explain how organisms, populations, communities and ecosystems are structured and function.
6. Transfer into a bachelor degree program in biology.
