

## BACHELOR of SCIENCE in BIOLOGY (#617) WITH a Minor

Department of Biology

Ogden College of Science and Engineering

### Western Kentucky University

The suggested program of study shown below should be used in consultation with your advisor(s). Every student will finish with a unique plan of his/her own depending on the electives selected.

SAMPLE - 4 vear plan

## **Success Markers**

| FIRST YEAR  | Fall Semester  |    | Spring Semester   |    |
|---|--|----|---|----|
| Visit the Math Lab for<br>free tutoring<br>Chemistry and Math | BIOL 120/121 – Biological Concepts:<br>Cells Metabolism and Genetics (with<br>a Lab) OR<br>BIOL 122-123 (E-NS, SL) | 4  | BIOL 122/123 – Biological<br>Concepts: Evolution, Diversity,<br>and Ecology (with a Lab) OR<br>BIOL 120-121 | 4  |
| depends on Placement<br>scores and must be                    | MATH 116 – College Algebra (or<br>higher) (F-QR)   | 3  | MATH 117 – Trigonometry (or higher)   | 3  |
| passed with a "C" or better                                   | ENG 100 – College Writing<br>(F-W1)  | 3  | World Language, if needed, or<br>Course in Minor  | 3  |
|   | HIST 101 – World History I <b>OR</b><br>HIST 102 – World History II<br>(F-SB                                       | 3  | CHEM 120/121 – College<br>Chemistry I (with a Lab)<br>(E-NS)  | 5  |
|   | TOTAL CREDIT HOURS   | 13 | TOTAL CREDIT HOURS  | 15 |

| SECOND YEAR   | Fall Semester   |    | Spring Semester   |    |
|---|---|----|---|----|
| Plan a Study Abroad<br>Trip, an Internship, Co-<br>op or Conduct Research<br>for the Summer (contact<br>Biology faculty about | BIOL 222/223 – Plant Biology and<br>Diversity (with a Lab) <b>OR</b><br>BIOL 224/225 – Animal Biology and<br>Diversity (with a Lab) <b>OR</b><br>BIOL 226/227 – Microbial Biology<br>and Diversity (with a Lab) | 4  | BIOL 319 or 327 and Biol 322<br>or 337 Cellular,<br>Molecular/Genetics ** | 4  |
| opportunities!)   | BIOL Science Supporting Course (See Advisor)**  | 4  | BIOL Science Supporting Course<br>(See Advisor)**                         | 4  |
| Ask at Office of Scholar<br>Development abut  | Colonnade Explorations  | 3  | Colonnade Explorations  | 3  |
| Prestigious<br>scholarships!!   | Course in Minor   | 3  | ENG 200 – Intro to Literature<br>(F-AH)                                   | 3  |
|   | Course in Minor   | 3  | Course in Minor   | 3  |
|   | TOTAL CREDIT HOURS  | 17 | TOTAL CREDIT HOURS  | 17 |

**World Language Proficiency:** All students entering in Fall 2014 or later must demonstrate proficiency in a world language at the Novice High level before completing 60 credit hours. Novice high is the ability to communicate in writing and speaking on familiar topics in simple sentences. To meet this requirement, students may take college language courses or take a proficiency test. For more information go to <a href="https://www.wku.edu/modernlanguages/placement/">www.wku.edu/modernlanguages/placement/</a>.

| THIRD YEAR  | Fall Semester  |    | Spring Semester                                  |     |
|---|--|----|--|-----|
| Visit <u>Career Services</u>                          | BIOL 315 – Ecology <b>OR</b><br>BIOL 316 - Evolution                     | 3  | Upper Level BIOL Elective (see Advisor)**        | 4   |
| <u>The Writing Center</u><br><u>Offers free help!</u> | Upper Level BIOL Elective (see Advisor)**                                | 4  | Upper Level BIOL Elective (see Advisor)**        | 4   |
| Meet with your advisor                                | Connections Society & Culture<br>(K-SC)                                  | 3  | Connections Local to Global<br>(K-LG)            | 3   |
| to check how many<br>hours are needed for             | Course in Minor  | 3  | Upper Level Course in Minor                      | 3-4 |
| your major!   | COMM 145 Fundamentals of Public<br>Speaking and Communications<br>(F-OC) | 3  | ENGL 300 Writing in the<br>Disciplines<br>(F-W2) | 3   |
|   | TOTAL CREDIT HOURS   | 16 | TOTAL CREDIT HOURS                               | 17  |

| FOURTH YEAR          | Fall Semester  |    | Spring Semester                           |    |
|----------------------|--|----|---|----|
| Apply for Graduation | BIOL 489   | 1  | Upper Level BIOL Elective (see Advisor)** | 3  |
|                      | Upper Level Course in Minor                          | 3  | Upper Level Minor Course                  | 3  |
| Celebrate            | Colonnade Connections                                | 3  | Colonnade Connections                     | 3  |
|                      | World Language                                       | 3  | Colonnade Connections                     | 3  |
|                      | BIOL Process Elective (see Biology<br>Major iCAP #6) | 3  |   |    |
|                      | TOTAL CREDIT HOURS                                   | 13 | TOTAL CREDIT HOURS                        | 12 |

**Total Credit Hours: 120** 

# You need 120 hours to graduate. You need 36 hours in the Biology Major. Credit hours listed for the Minor range from 24-27 (check the required hours for your Minor).

This is a suggested program of study.

Student must maintain a "C" or better in 120-123 Biology courses and in some supporting courses.

Course prerequisites are in parentheses and italics after each course listing.

\*Three Laboratory courses are required .

One science process course is required.

\*\*319/322 Fall only/327/337 Spring only

For more Information:

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**Department:** Biology **Website:** http:///www.wku.edu/biology Phone: (270) 745-3696
Email: biology@wku.edu
Course Descriptions: http://www.wku.edu/undergraduatecatalog/