



**Accelerated Six -Year B.A. BIOLOGY / LAW  
112 Credit Minimum**

**FIRST YEAR**

| <b>1st Semester</b> |                       | Credits          | <b>2nd Semester</b> |                      |                  |
|---------------------|-----------------------|------------------|---------------------|----------------------|------------------|
| R120:101            | General Biology I     | 4                | R120:102            | General Biology II   | 4                |
| Chem 125            | General Chemistry I   | 3                | Chem 124            | General Chem. Lab    | 1                |
| Math 111            | Calculus I - GUR      | 4                | Chem 126            | General Chemistry II | 3                |
| Phys 111            | Physics I             | 3                | Phys 121            | Physics II           | 3                |
| Phys 111A           | Physics I Lab         | 1                | Phys 121A           | Physics II Lab       | 1                |
| HUM 101             | English -GUR          | 3                | HUM 102             | English II - GUR     | 3                |
| Frsh Sem            | Freshman Seminar -GUR | 0                | GUR Elective        | Social Science       | 3                |
|                     |                       | <b>Total: 18</b> |                     |                      | <b>Total: 18</b> |

**Summer I**

|              |                              |                 |
|--------------|------------------------------|-----------------|
| GUR Elective | English and Cultural History | 3               |
| GUR Elective | Social Science               | 3               |
|              |                              | <b>Total: 6</b> |

**SECOND YEAR**

| <b>1st Semester</b> |                              |                  | <b>2nd Semester</b> |                                 |                  |
|---------------------|------------------------------|------------------|---------------------|---------------------------------|------------------|
| R120:201/202        | Foundations of Biology       | 4                | Elective            | Biology with lab                | 4                |
| Chem 243            | Organic Chemistry I          | 3                | Elective            | Biology                         | 3                |
| Math 105            | Probability & Statistics-GUR | 3                | Chem 244            | Organic Chemistry II            | 3                |
| BNFO 135            | Prog. for Bioinformatics I   | 3                | Chem 244A           | Organic Chemistry Lab           | 2                |
| Elective            | Legal Studies Minor          | 3                | Eng 300             | HSS 3** GUR/Legal Studies Minor | 3                |
| GUR Elective        | Physical Education - GUR     | 1                | Elective            | Legal Studies Minor             | 3                |
|                     |                              | <b>Total: 17</b> | GUR Elective        | Physical Education - GUR        | 1                |
|                     |                              |                  |                     |                                 | <b>Total: 19</b> |

**THIRD YEAR**

| <b>1st Semester</b> |                     | Credits          | <b>2nd Semester</b> |                      |                  |
|---------------------|---------------------|------------------|---------------------|----------------------|------------------|
| Elective            | Biology with lab    | 4                | Elective            | Biology with Lab     | 3 or 4           |
| Elective            | Biology             | 3                | Elective            | Biology              | 3                |
| Elective            | Biology             | 3                | GUR Elective        | Honors Capstone- GUR | 3                |
| GUR Elective        | HSS 3**             | 3                | GUR Elective        | Management           | 3                |
| Elective            | Legal Studies Minor | 3                | Elective            | Legal Studies Minor  | 3                |
| Elective            | Legal Studies Minor | 3                |                     |                      | <b>Total: 15</b> |
|                     |                     | <b>Total: 19</b> |                     |                      |                  |

Minimum Credits 112

Biology Credits: 35 (including General Biology I, II, and Foundations of Biology)



**BIOLOGY ELECTIVES MUST BE CHOSEN AS OUTLINED BELOW:**

**One course must be taken from A, B, and C**

**A. ECOLOGY AND EVOLUTION**

*All courses three credits*

Evolution (120:222 & Biol 222)  
Ecology & Evolution of Disease (Biol 368)  
Plant Ecology (120:270)  
Ecology (120:280)  
Animal Behavior (120:382)  
Neural Basis of Behavior (Biol 383)

**B. THE FUNCTIONAL ORGANISM**

*All courses four credits*

Plant Kingdom (120:211)  
Biology of Seed Plants (120:230)  
Plant Physiology (120:330)  
General Microbiology (120:335)  
Mammalian Physiology (120:340)  
Developmental Biology & Lab (120:342 & 343)

**C. MOLECULAR AND CELLULAR MECHANISMS**

*All courses three credits*

Genetics (120:352)  
Cell Biology (120:355)  
Molecular Biology (120:356)  
Biochemistry (120:360 OR Chem 473)

**D. MAJORS ARE REQUIRED TO HAVE AT TWO ADDITIONAL LABORATORY OR FIELD COURSES CHOSEN FROM SECTION B ABOVE OR FROM THE LIST BELOW:**

**Laboratory Courses (4 cr.)**

Biology of Invertebrates (120:227)  
Comparative Vertebrate Anatomy (120:285)  
Taxonomy of Vascular Plants (120:311)  
Animal Parasites & Lab (120:325 & 326)  
Microanatomy (120:358)  
Mycology (120:413)  
Plant Growth & Dev. (120:430)  
Marine Biology (120:481)

**Laboratory Courses (3 cr.)**

Ecology of Birds (120:328)  
Field Studies in Plant Ecology (120:371)  
Field Studies in Animal Ecology (120:381)  
Field Ecology (120:380)

**Laboratory Courses (2 cr.)**

Tropical Field Biology (120:486)

**E. THE COURSES LISTED BELOW MAY BE USED TO COMPLETE 35 CREDITS OF BIOLOGY COURSE WORK**

*All courses three credits unless specified*

Insects and Human Society (Biol 225)  
Neurobiology (120:346)  
Human Ecology (120:365)  
Physiology and Medicine (Math 371)  
Population Biology (Math 372)  
Introduction to Math Biology (Math 373)  
Biological Ultrastructure (120:403)  
Light & Elect Microscope (120:404)  
Cell Physiology & Imaging (Biol 405)  
Biological Invasions (120:422)

Computational Neuroscience (Math 430)  
Immunology (120:443)  
Endocrinology (120:445)  
Cellular and Systems Neuroscience (Biol 447)  
Cellular Biophysics (120:451) 4 crs.  
Molecular Biotechnology (120:452) 4 crs.  
Molecular Cell Biology (120:455)  
Ecological Physiology (120:471)  
Systems Ecology (120:487)  
Problems in Biol. BIOL 491-492 (6crs. max.)