Degree Plan for
Bachelor of Science Degree in Biology, General Biology Option

Highly Recommended Courses:

BIO 1013 Introduction to Biology (majors section)
BIO 1021 Introduction to Biology Laboratory
CHM 1034/1044 General Chemistry for Non-Majors/General Organic and Biochemistry

Required Courses:

BIO 2104 General Botany
BIO 2114 General Zoology

Biology majors are required to enroll in and successfully complete botany (BIO2104) and zoology (BIO2114) within their first four semesters at HSU. Students must meet with their departmental advisor to determine the schedule appropriate for them.

BIO 2094 Microbiology
BIO 3054 Genetics
BIO 3524 General Ecology
BIO 4214 Cell Biology

Choose one of the following:

BIO 3304 Plant Physiology
BIO 3314 Animal Physiology

Choose one of the following:

BIO 3084 Comparative Anatomy and Evolution of Vertebrates
BIO 3244 Comparative Morphology and Evolution of Plants

A minimum of two additional upper-level courses in biology must be selected. These may be from the courses listed above or others listed in the Henderson catalog. Two semesters of Human Anatomy and Physiology will satisfy one of these requirements. BIO 4251, BIO 4373, and BIO 4823 may not be used for this requirement.

Additional requirements:

CHM 1014, 1024 University Chemistry
CHM 3063, 3073 Organic Chemistry I and II
CHM 3051, 3131 Organic Chemistry I and II Lab
MTH 1243, STA 2054 or STA 2323 College Algebra and Applied Biostatistics or Statistical Methods or more advanced courses, with approval.
PHY 2034, 2044 General Physics I and II

Total hours required for a major in biology, general biology option: ..................................................68-71

Biology Courses: 38-40 hours
Physical Science and Mathematics Courses: 30-31 hours
Students must have a "C" grade or better in all courses in the major field and also in the courses listed as "additional requirements."

The biology department highly recommends that students achieve competence in the use of computers for word processing, graph and spreadsheet construction, and PowerPoint presentations before enrolling in upper-level courses. Students should consider enrolling in Introduction to Computers (CSC 2003) if their background in computer use is weak.

**DEGREE PLAN**

**Bachelor of Science in Biology, General Biology Option**

Degree Completion Plan Beginning in Fall Semester

<table>
<thead>
<tr>
<th></th>
<th>Freshman</th>
<th></th>
<th>Sophomore</th>
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<tbody>
<tr>
<td>Fall Hrs.</td>
<td>3 or 4</td>
<td>Spring Hrs.</td>
<td>4 or 5</td>
<td>Spring Hrs.</td>
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<td>Introduction to Bio.</td>
<td>4</td>
<td>Botany or Zoology</td>
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<td>Gen Chem. I/Soc. Sci.</td>
<td>3 or 4</td>
<td>College Algebra</td>
<td>3</td>
<td>University Chem. I</td>
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<td>Hender. Seminar</td>
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<td>Elective</td>
<td>4</td>
<td>Mast. West./World Lit.</td>
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<tr>
<td>English A</td>
<td>3</td>
<td>English B</td>
<td>3</td>
<td>Social Sci./Elective</td>
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<tr>
<td>US Hist./Am. Nat. Gov.</td>
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<td>Life Fitness or PE</td>
<td>1</td>
<td>Mast. West./World</td>
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<tr>
<td>Total Hours</td>
<td>14 to 16</td>
<td>Total Hrs.</td>
<td>13 or 14</td>
<td>Total Hrs.</td>
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<table>
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<th>Junior</th>
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<th>Senior</th>
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<td>Spring Hrs.</td>
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<td>Biology Core</td>
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<td>Biology Core</td>
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<td>Physics I</td>
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<td>Biology Elective</td>
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<td>Oral Com.</td>
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<td>Physics II</td>
<td>4</td>
<td>Non-West. Culture</td>
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<td>Organic Chem. I</td>
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<td>Organic Chem. II</td>
<td>4</td>
<td>Writing Course</td>
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<tr>
<td>Core Elective</td>
<td>3</td>
<td>Core Elective</td>
<td>4</td>
<td>Core Elective</td>
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<tr>
<td>Total Hours</td>
<td>15</td>
<td>Total Hrs.</td>
<td>16</td>
<td>Total Hrs.</td>
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120 hours are required for graduation. Note: Two writing (WI) intensive courses are required.

42 upper-level (junior/senior) hours are required. At least one WI course must be in biology.

Degree plan includes some optional, but highly recommended courses. Please consult with your departmental advisor for additional details or if you have questions.

Students interested in particular graduate programs should consult closely with their advisors, as requirements may be different.

If students plan on minoring in chemistry, one additional semester of chemistry will be required. See catalog.

Note: Courses may be taken in semesters other than those shown above. Consult with your advisor for alternative scheduling. See information on reverse side of this sheet for a full list of core courses.

- It is the responsibility of the student to be familiar with all degree requirements as listed in the University Catalog.
- Students shall verify that they have completed all the appropriate prerequisites before enrolling in classes.
- Students shall complete an application for graduation no later than the semester preceding their anticipated graduation date.

Student signature _________________________________ Date ______________

Advisor signature _________________________________ Date ______________

Revision: 8/1/2019