## Biology, B.S. (Capital)

**Begin Campus:** Any Penn State Campus  
**End Campus:** Harrisburg

### Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2021-22 academic year. To access previous years' suggested academic plans, please visit the archive (https://bulletins.psu.edu/undergraduate/archive/) to view the appropriate Undergraduate Bulletin edition (Note: the archive only contain suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin).

### General Biology Option: Biology, B.S. at Harrisburg Campus

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements or What If report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

#### First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 110&lt;sup&gt;W&lt;/sup&gt;</td>
<td>4 BIOL 220W, 230W, or 240W&lt;sup&gt;W&lt;/sup&gt;</td>
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<tr>
<td>CHEM 110&lt;sup&gt;W#&lt;/sup&gt;</td>
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<tr>
<td>CHEM 111†</td>
<td>1 CHEM 113†</td>
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<tr>
<td>ENGL 15S, 30T, or ESL 15†</td>
<td>3 MATH 141†</td>
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<tr>
<td>MATH 140&lt;sup&gt;W,#&lt;/sup&gt;</td>
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#### Second Year

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<tr>
<td>BIOL 220W, 230W, or 240W&lt;sup&gt;W&lt;/sup&gt;</td>
<td>4 BIOL 220W, 230W, or 240W&lt;sup&gt;W&lt;/sup&gt;</td>
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<tr>
<td>CHEM 210 (or Supporting Course)</td>
<td>3 CHEM 212 and CHEM 213 or CHEM 202 and Supporting Course</td>
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<tr>
<td>STAT 200</td>
<td>4 CAS 100†</td>
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<td>General Education Course</td>
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#### Third Year

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<tbody>
<tr>
<td>BIOL 4XX</td>
<td>3 BIOL 4XX</td>
<td>3</td>
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<tr>
<td>CHEM 203 (or Supporting Course)</td>
<td>3 PHYS 251 (consult with an academic adviser for options)</td>
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<tr>
<td>General Education Course</td>
<td>3 Supporting Course (consult with an academic adviser for options)</td>
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<tr>
<td>PHYS 250 (consult with academic adviser for alternative options)</td>
<td>4 Supporting Course (consult with an academic adviser for options)</td>
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#### Fourth Year

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<tbody>
<tr>
<td>Supporting course (consult with an academic adviser for options)</td>
<td>3 General Education Course</td>
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</table>

**Total Credits 124-125**

- * Course requires a grade of C or better for the major  
- † Course requires a grade of C or better for General Education  
- # Course is an Entrance to Major requirement  
- †† Course satisfies General Education and degree requirement

### University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of ‘C’ or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

### Program Notes:

Be aware that most 400 level biology courses are taught only in one semester and over time, the semester offering can change.
### Genetics and Developmental Biology Option: Biology, B.S. at Harrisburg Campus

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements or What If report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

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<th>Semester</th>
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<th>Fall</th>
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<tr>
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<td>BIOL 110asaki, 4</td>
<td>CHEM 110asaki, 3</td>
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<td>BIOL 220, 230, or 240</td>
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<td>ENGL 115, 30T, or ESL 115</td>
<td>MATH 140asaki</td>
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<td>MATH 141asaki, 4</td>
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<td>BIOL 220, 230, or 240</td>
<td>CHEM 210</td>
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<td>CHEMRB 201 (consult with an academic adviser for alternative options)</td>
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<td>BMB 402</td>
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<td>BIOL 430</td>
<td>BMB 401</td>
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<td>PHYS 250 (consult with an academic adviser for alternative options)</td>
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<td>BIOL 4XX</td>
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<td>ENGL 202A, 202B, or 202C (consult with an academic adviser for options)</td>
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Total Credits 124

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#### Additional Notes:

Scheduling patterns for courses not taught each semester:

- Fall only: MICRB 201, BIOL 430, BMB 401.
- Spring only: BIOL 322, BMB 402, CHEM 212, CHEM 213.

#### Program Notes:

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