NATURAL SCIENCE, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

Program Requirements

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<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Requirements for the Minor</td>
<td>20-23</td>
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</table>

Requirements for the Minor

A grade of C or better is required for all courses in the minor, as specified by Senate Policy 59-10 (https://senate.psu.edu/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/#59-10). In addition, at least six credits of the minor must be unique from the prescribed courses required by a student’s major(s).

Code   | Title                                           | Credits |
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<tr>
<td><strong>Prescribed Courses:</strong> Require a grade of C or better</td>
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<tr>
<td>SC 400</td>
<td>Consequences of Science</td>
<td>1</td>
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Additional Courses

**Additional Courses: Require a grade of C or better**

Select 3-4 credits of the following: 3-4

- **ASTRO 1**  Astronomical Universe
- **ASTRO 10 & ASTRO 11**  Elementary Astronomy and Elementary Astronomy Laboratory 1
- **BISC 1**  Structure and Function of Organisms 1
- **BISC 2**  Genetics, Ecology, and Evolution 1
- **BISC 3**  Environmental Science
- **BISC 4**  Human Body: Form and Function
- **BMB 1**  The Science of Sickness
- **CHEM 1**  Molecular Science 2
- **CHEM 3**  Molecular Science With Laboratory 2
- **MICRB 106 & MICRB 107**  Elementary Microbiology and Elementary Microbiology Laboratory 4
- **PHYS 1**  The Science of Physics 3

Select 3-4 credits of the following: 3-4

- **CMPSC 101**  Introduction to Programming
- **CMPSC 121**  Introduction to Programming Techniques
- **CMPSC 201**  Programming for Engineers with C++ or **CMPSC 202**
- **CMPSC 203**  Introduction to Spreadsheets and Databases
- **MATH 110**  Techniques of Calculus I
- **MATH 140**  Calculus With Analytic Geometry I
- **STAT 200**  Elementary Statistics
- **STAT 250**  Introduction to Biostatistics

Select 8-9 credits of the following: 8-9

- **BIOL 11 & BIOL 12**  Introductory Biology I and Introductory Biology II 1
- **BIOL 110**  Biology: Basic Concepts and Biodiversity 1
- **CHEM 110 & CHEM 111**  Chemical Principles I and Experimental Chemistry I 2

Supporting Courses and Related Areas

**Supporting Courses and Related Areas: Require a grade of C or better**

Select 0-2 credits of 496 (independent studies) courses from the Eberly College of Science course offerings 0-2

Select 3-5 credits of 400-level courses (other than independent studies) from the Eberly College of Science course offerings 3-5

1. A student may not use credit for **BISC 1** or **BISC 2** along with credit for **BIOL 11** and **BIOL 12**, or **BIOL 110**.
2. A student may not use credit for **CHEM 1** or **CHEM 3** along with credit for **CHEM 110** and **CHEM 111** or **CHEM 112** and **CHEM 113**.
3. A student may not use credit for **PHYS 1** along with credit for **PHYS 250** or **PHYS 251**.
4. A student may not use credit for **MICRB 106** and **MICRB 107** along with credit for **MICRB 201** and **MICRB 202**.