

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

Requirement	Credits
Requirements for the Minor	20-23

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
Prescribed Courses		
<i>Prescribed Courses: Require a grade of C or better</i>		
SC 400	Consequences of Science	1
Additional Courses		
<i>Additional Courses: Require a grade of C or better</i>		
Select 3-4 credits of the following:		3-4
ASTRO 1	Astronomical Universe	
ASTRO 10 & ASTRO 11	Elementary Astronomy and Elementary Astronomy Laboratory	
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	

CHEM 112 & CHEM 113	Chemical Principles II and Experimental Chemistry II ²
MICRB 201 & MICRB 202	Introductory Microbiology and Introductory Microbiology Laboratory ⁴
PHYS 250	Introductory Physics I ³
PHYS 251	Introductory Physics II ³

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.