

# MICROBIOLOGY, 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	24

### 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/students/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/>).

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
<b>Prescribed Courses</b>		
<i>Prescribed Courses: Require a grade of C or better</i>		
CHEM 110	Chemical Principles I	3
CHEM 112	Chemical Principles II	3
MICRB 201	Introductory Microbiology	3
MICRB 202	Introductory Microbiology Laboratory	2
MICRB 251	Molecular and Cell Biology I	3
MICRB 410	Principles of Immunology	3
<b>Additional Courses</b>		
<i>Additional Courses: Require a grade of C or better</i>		
MICRB 421W	Laboratory of General and Applied Microbiology	2-3
or MICRB 422	Medical Microbiology Laboratory	
<b>Supporting Courses and Related Areas</b>		
<i>Supporting Courses and Related Areas: Require a grade of C or better</i>		
Select 4-5 credits of 400-level MICRB courses <sup>1</sup>		4-5

<sup>1</sup> BMB 442, MICRB 408, MICRB 496 and MICRB 497 may not be used to fulfill the requirements for the minor.