CHEMISTRY, 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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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: Require a grade of C or better
CHEM 110 | Chemical Principles I                      | 3       |
CHEM 111 | Experimental Chemistry I                   | 1       |
CHEM 112 | Chemical Principles II                     | 3       |
CHEM 113 | Experimental Chemistry II                  | 1       |
CHEM 210 | Organic Chemistry I                        | 3       |
CHEM 212 | Organic Chemistry II                       | 3       |
CHEM 213 | Laboratory in Organic Chemistry            | 2       |
Addition Courses: Require a grade of C or better
Select one of the following: 4-6
CHEM 227 | Analytical Chemistry                       |         |
CHEM 450 & CHEM 452 | Physical Chemistry - Thermodynamics and Physical Chemistry - Quantum Chemistry |         |
CHEM 466 & CHEM 452 | Molecular Thermodynamics and Physical Chemistry - Quantum Chemistry |         |
Select 6 credits from 400-level CHEM not used above (excluding CHEM 494, CHEM 494H, CHEM 495, and CHEM 496) 6