

Chemistry Minor

Program Requirements

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- **Total Units Required:** 41 (27 in chemistry; 14 in math and physics)
- **Grade Requirement:** All chemistry coursework must be taken in residence at Washington University to be applied toward the chemistry minor. A minimum grade of C- must be earned in each course to count toward the chemistry minor.
- **Note:** Regarding the double counting of course credits, Arts & Sciences Guidelines will be followed.

Required Courses

Code	Title	Units
CHEM 1701	General Chemistry I*	3
CHEM 1702	General Chemistry II*	3
CHEM 1751	General Chemistry Laboratory I	2
CHEM 1752	General Chemistry Laboratory II	2
CHEM 2561	Organic Chemistry I With Lab	4
CHEM 2562	Organic Chemistry II With Lab	4
PHYSICS 1740	Physics I**	3
PHYSICS 1741	Physics I Laboratory	1
PHYSICS 1742	Physics II**	3
PHYSICS 1743	Physics II Laboratory	1
MATH 1510	Calculus I***	3
MATH 1520	Calculus II***	3
Total Units		32

* Students may substitute CHEM 1601 Principles of General Chemistry I and CHEM 1602 Principles of General Chemistry II for CHEM 1701 General Chemistry I and CHEM 1702 General Chemistry II. Please consult the department's director of undergraduate studies for details.

** PHYSICS 1760 Focused Physics I may replace PHYSICS 1740 Physics I. PHYSICS 1762 Focused Physics II may replace PHYSICS 1742 Physics II.

***MATH 2801 Honors Mathematics I may replace both MATH 1510 Calculus I and MATH 1520 Calculus II.

Elective Courses

Student must complete 9 units of chemistry encompassing three courses in at least two subdisciplines. BIOL 4510 General Biochemistry may be used to complete 3 of these additional 9 units, but not in combination with CHEM 4810 General Biochemistry I or CHEM 4820 General Biochemistry II. Courses must be at the 3000 level or above, but CHEM 4900 Introduction to Research and CHEM 4950 Advanced Undergraduate Research in Chemistry are specifically excluded.