

CHEMISTRY, MINOR

The Chemistry minor provides comprehensive training in general chemistry, organic chemistry, and one additional chemistry discipline of the student's choice. Chemistry is a useful minor for students majoring in Biology, Allied Health, Psychology, Sustainability, Business, Criminal Justice, or Elementary or Secondary Education, and/or for students anticipating post-baccalaureate study in medicine, pharmacy, dentistry or other health professions. Student may earn a minor in Chemistry by completing 25 to 26 credit hours.

Requirements

Residency requirement. At least 8 credit hours of Chemistry, including at least one laboratory course, must be completed at Roosevelt University.

Chemistry Core

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| CHEM 201 | GENERAL CHEMISTRY I (3 credit hour lecture, 2 credit hour lab) | 5 |
| CHEM 202 | GENERAL CHEMISTRY II (3 credit hour lecture, 2 credit hour lab) | 5 |
| CHEM 211 | ORGANIC CHEMISTRY I (3 credit hour lecture, 2 credit hour lab) | 5 |
| CHEM 212 | ORGANIC CHEMISTRY II (3 credit hour lecture, 2 credit hour lab) | 5 |

Chemistry Laboratory Elective

Select one of the following: ¹ 5-6

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| CHEM 237 | QUANTITATIVE ENVIRONMENTAL ANALYSIS (3 credit hour lecture, 2 credit hour lab) |
| CHEM 313 | ADVANCED ORGANIC CHEMISTRY LAB (3 credit hour lecture, 2 credit hour lab) |
| CHEM 321 | PHYSICAL CHEMISTRY: THERMODYNAMICS (3 credit hour lecture, 2 credit hour lab) |
| CHEM 322 | PHYSICAL CHEMISTRY: QUANTUM MECHANICS (3 credit hour lecture, 2 credit hour lab) |
| CHEM 323 | ATOMIC AND MOLECULAR SPECTROSCOPY (3 credit hour lecture, 2 credit hour lab) |
| CHEM 347 | ADVANCED INORGANIC CHEMISTRY LAB (3 credit hour lecture, 2 credit hour lab) |

Total Credit Hours 25-26

¹. With permission of the chemistry program chair, the chemistry laboratory elective can be substituted for 3 credit hours of a CHEM 3xx lecture elective and 2-3 credit hours of approved CHEM 392 Chemistry Research. To apply to the minor, chemistry research should be a substantive laboratory or computational project, performed under the direction of a faculty sponsor, resulting in a report, paper, poster or presentation, and completed with a minimum acceptable grade of C. Each credit hour of CHEM 392 requires the equivalent of 3 hours of active research per week over a 15 week semester.