This major satisfies the endorsement for students planning to teach chemistry in grades 5-12.

**DEGREE REQUIREMENTS**

**Required Courses:** 51 credits
- CHEM 151 General Chemistry (5)
- CHEM 152 General Chemistry (5)
- CHEM 153 General Chemistry (5)
- CHEM 304 Quantitative Analysis (6)
- CHEM 316 Environmental Chemistry (5) or CHEM 121 Chemistry and Its Role in Society (5)
- CHEM 351 Organic Chemistry (4)
- CHEM 352 Organic Chemistry (4)
- CHEM 372 Organic Chemistry Lab I (3)
- CHEM 421 Physical Chemistry (4)
- CHEM 422 Physical Chemistry (3)
- CHEM 480 Biochemistry (5)
- CHEM 390 Chemistry Methods in Secondary Schools (1)
- SCED 390 Secondary Science Teaching Methods (1)

**Required Supporting Courses:** 25 credits
- MATH 161 Calculus I (5)
- MATH 162 Calculus II (5)
- MATH 163 Calculus III (5)
- PHYS 151 General Physics I (4)
- PHYS 152 General Physics II (4)
- PHYS 153 General Physics III (4)
- PHYS 161 Mechanics Lab (1)
- PHYS 162 Heat & Optics Lab (1)
- PHYS 163 Instrumentation Lab I (1)

*See the Department of Education section of the catalog and seek advisor as soon as possible.*

**Professional education requirements/secondary education:** 43 credits

*See the Department of Education section of the catalog. Prerequisites may also apply.*

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