

**CHEMISTRY**  
Class 2013 and later

Minimum courses required: 14

Course requirement	Semester Taken
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**Chemistry**

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|-----|---|-------|
| 1.  | CHEM 153: Chemical Principles   | _____ |
| 2.  | CHEM 232: Aqueous Equilibria (offered for the first time in spring 2011)  | _____ |
| 3.  | CHEM 253: Organic Chemistry I   | _____ |
| 4.  | CHEM 254: Organic Chemistry II  | _____ |
| 5.  | CHEM 298: Inorganic Chemistry I (offered for the first time in fall 2011)   | _____ |
| 6.  | CHEM 332: Instrumental Analysis   | _____ |
| 7.  | CHEM 355: Chemical Thermodynamics   | _____ |
| 8.  | CHEM 356: Quantum Chemistry   | _____ |
| 9.  | CHEM 400: Seminar   | _____ |
| 10. | CHEM 361: Advanced Inorganic Chemistry<br>Or<br>CHEM 362: Advanced Organic Chemistry<br>Or<br>CHEM 303: Current Problems in Environmental Chemistry<br>Or<br>CHEM 321: Chemistry of Natural Water | _____ |

**Physics**

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|-----|-----------------------------------|-------|
| 11. | PHYS 170: Introductory Physics I  | _____ |
| 12. | PHYS 171: Introductory Physics II | _____ |

**Mathematics**

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|-----|-----------------------|-------|
| 13. | MATH 101: Calculus I  | _____ |
| 14. | MATH 104: Calculus II | _____ |

Students desiring American Chemical Society Certification must take all of the classes listed above and

CHEM 305: Biochemistry	_____
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If you take CHEM 305, BIO 316 may be substituted for CHEM 361, CHEM 362, CHEM 303, CHEM 3xx, or CHEM 3xx.