

Chemistry (non-ACS-approved) (B.S.)

2015-2016 catalog

Student Name: _____ ID Number: _____

Major Requirements

All classes must be completed with a 2.0 grade or better.

| Term Completed/Planned | Grade | Credit | ✓ | Course # | Title |
|---|-------|--------|--------------------------|-----------------------------------|--|
| _____ | _____ | 4 | <input type="checkbox"/> | CHM115 | General Chemistry I (NSM-L) |
| _____ | _____ | 4 | <input type="checkbox"/> | CHM116 | General Chemistry II (NSM-L) |
| _____ | _____ | 4 | <input type="checkbox"/> | CHM351 | Organic Chemistry I |
| _____ | _____ | 4 | <input type="checkbox"/> | CHM352 | Organic Chemistry II |
| _____ | _____ | 4 | <input type="checkbox"/> | CHM353 | Quantitative Analytical Chemistry |
| _____ | _____ | | <input type="checkbox"/> | SCI490 or other approved keystone | |
| Complete one (1) of CHM362 or CHM368 | | | | | |
| _____ | _____ | 4 | <input type="checkbox"/> | CHM362 | Chemical Thermodynamics, Statistical Mechanics, and Kinetics |
| _____ | _____ | 4 | <input type="checkbox"/> | CHM368 | Quantum Chemistry, Molecular Structure, and Spectroscopy |
| Complete one (1) of CHM370, or BIO369, or another approved biochemistry or chemical biology course | | | | | |
| _____ | _____ | 4 | <input type="checkbox"/> | CHM370 | BioOrganic Chemistry |
| _____ | _____ | 4 | <input type="checkbox"/> | BIO369 | Biochemistry |
| Complete three (3) upper division elective, chosen from: | | | | | |
| _____ | _____ | 4 | <input type="checkbox"/> | CHM362 | Chemical Thermodynamics, Statistical Mechanics, and Kinetics |
| _____ | _____ | 4 | <input type="checkbox"/> | CHM367 | Properties of Polymers |
| _____ | _____ | 4 | <input type="checkbox"/> | CHM368 | Quantum Chemistry, Molecular Structure, and Spectroscopy |
| _____ | _____ | 4 | <input type="checkbox"/> | CHM464 | Advanced Organic Chemistry |
| _____ | _____ | 4 | <input type="checkbox"/> | CHM470 | Principles of Medicinal Chemistry |
| _____ | _____ | 4 | <input type="checkbox"/> | CHM481 | Instrumental Analysis |
| _____ | _____ | 4 | <input type="checkbox"/> | CHM482 | Advanced Inorganic Chemistry |
| _____ | _____ | 4 | <input type="checkbox"/> | CHM495 | Topics |
| _____ | _____ | 4 | <input type="checkbox"/> | 4 credits of CHM499 or CHM498 | |
| _____ | _____ | 4 | <input type="checkbox"/> | PHY317 | Biophysics |
| Complete four (4) semesters of CHM491 | | | | | |
| _____ | _____ | 0 | <input type="checkbox"/> | CHM491 | Chemistry Seminar |
| _____ | _____ | 0 | <input type="checkbox"/> | CHM491 | Chemistry Seminar |
| _____ | _____ | 0 | <input type="checkbox"/> | CHM491 | Chemistry Seminar |
| _____ | _____ | 0 | <input type="checkbox"/> | CHM491 | Chemistry Seminar |
| Required supporting courses | | | | | |
| _____ | _____ | 4 | <input type="checkbox"/> | MAT145 | Calculus I (NSM) |
| _____ | _____ | 4 | <input type="checkbox"/> | MAT146 | Calculus II (NSM) |
| _____ | _____ | 4 | <input type="checkbox"/> | PHY121 | General Physics I (NSM-L) |
| _____ | _____ | 4 | <input type="checkbox"/> | PHY122 | General Physics II (NSM-L) |
| Complete one (1) Speaking skill course | | | | | |
| _____ | _____ | 4 | <input type="checkbox"/> | COM115 | Scientific and Technical Public Speaking (HUM) |
| _____ | _____ | 4 | <input type="checkbox"/> | COM111 | Public Speaking (HUM) |
| _____ | _____ | 4 | <input type="checkbox"/> | HON130 | Liberating Letters (HUM) |

Abbreviation Key: ML = Modern Language; SC = Signature Curriculum; EM = Engaging Minneapolis; AE = Augsburg Experience; KC = Senior Keystone Course; NSM = Natural Science & Mathematics - no lab; NSM-L = Natural Science & Mathematics-with lab; SBS = Social & Behavioral Science; FA = Fine Arts; HUM = Humanities

Student Signature _____ Date _____

Faculty Adviser Signature _____ Date _____

Student and faculty signature are required for submission with the Intent to Graduate form.