### Chemistry Major, Business Emphasis

See [www.chem.utah.edu](http://www.chem.utah.edu) for details or contact the chemistry advisor (advisor@chem.utah.edu)

**Chemistry Core Courses** (required of all majors):
- CHEM 1210, 1220 General Chemistry I, II (4, 4) both SF (or 1211/1221 honors versions)
- CHEM 1215, 1225 General Chemistry Lab I, II (1, 1) (or 1240/1241 honors versions)
- CHEM 2310, 2320 Organic Chemistry I, II (4, 4) (or 2311/2321 honors versions)
- CHEM 2315, 2325 Organic Chemistry Lab I, II (2, 2)
- CHEM 3000 Quantitative Analysis (4) QI, CW
- CHEM 3060 Quantum Chemistry and Spectroscopy (4) QI
- CHEM 3100 Inorganic Chemistry (5)

**Math and Physics Core** (required of all majors):
- MATH 1210, 1220 Calculus I, II (4, 4) or MATH 1250 AP Calculus I (4) all QR
- MATH 2210 Calculus III (3) or MATH 1260 AP Calculus II (4) both QR
- PHYS 2210, 2220 Physics for Scientists and Engineers I, II (4, 4) (or 3210/3220 honors versions)
- PHYS 2215, 2225 Physics Laboratory for Scientists and Engineers I, II (1, 1)

**C. Chemistry, Business Emphasis**

*Core courses, plus:*
- CHEM 3070 Thermodynamics and Chemical Kinetics (4) QI
- or CHEM 3090 Physical Chemistry for Life Sciences (4) QI
- MATH 3070 Applied Statistics I (4) OR [OIS 2340 Business Statistics (3) AND [OIS 3440 Applications of Business Statistics (3) OR OIS 3660 Operations Management OR OIS 3661 Honors Operations Management OR MGT 3700 Entrepreneurship (3) OR CHEM 4800 Undergraduate Research (2) OR CHEM 4999 Honors Thesis (3)])

*Complete two of the following lab courses:*
- CHEM 3200 Advanced Radiochemistry with Lab I (3)
- CHEM 5700 Advanced Analytical Chemistry Lab (2) CW
- CHEM 5710 Advanced Organic Chemistry Lab (2)
- CHEM 5720 Advanced Physical Chemistry Lab (2)
- CHEM 5730 Advanced Inorganic Chemistry Lab (2)
- CHEM 5750 Advanced Chemical Biology Lab (2)

*Twelve or more units selected from the College of Business (other classes may be allowed with prior approval of the chemistry advisor).*
- ACCTG 2600: Survey of Accounting (3)
- MGT 3000: Principles of Management (3) or MGT 3680: Human Behavior in Organizations (3)
- FINAN 3000: Fundamentals of Investing (3) or FINAN 3040: Financial Management (3)
- MKTG 3000: Marketing Vision (3) or MKTG 3010: Principles of Marketing (3)

**University Requirements:** 122 Hours (at least 40 upper division), DV, IR, WRTG, GEN ED

### Sample Course Sequence

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<td>CHEM 1210, 1215</td>
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