
The Business emphasis will familiarize students with chemistry as well as the field of business. May be appropriate for students who plan to work in an industrial chemistry field, such as pharmaceuticals, or who plan to start and run their own business (dental, medical, chemical, etc)

1) Honors versions of available. Sequence starts in the Fall. Must apply to be in the class.
2) Talk with advisors to see how other calculus sequences could fulfill the calculus requirement.
3) Honors versions are PHYS 3210 + 3220.
4) 2 upper division labs required. Fall options: CHEM 5710 (org) 1st half, CHEM 5730 (inorg) 2nd half. Spring options:
   CHEM 5700 (ana) 1st half, CHEM 5720 (phys) 2nd half, CHEM 3200 (radiochem) + NUCL 4000 Spring + Fall.
5) Other classes accepted as a replacement (check Degree Audit).
6) Can also take MGT 3680 (Human Behavior in Organizations) offered F, S, U.
7) Can also take FINAN 3040 (Financial Management) offered in F, S, U.
8) Can also take MKTG 3010 (Principles of Marketing) offered in F, S, U.
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### Business Emphasis

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#### MATH CLASSES

- **MATH 1210 Calculus I**: 4 QR  
  Prerequisites: MATH 1060 or MATH 1080
- **MATH 1220 Calculus II**: 4 QR  
  Prerequisites: MATH 1210
- **MATH 3070 Advanced Statistics**: 4 QR  
  Prerequisites: MATH 1220

#### PHYSICS CLASSES

- **PHYS 2210 Physics for Sci & Eng I**: 4 SF  
  Prerequisites: MATH 1210
- **PHYS 2215 Physics Lab for Sci & Eng I**: 1  
  Prerequisites: MATH 1210
- **PHYS 2220 Physics for Sci & Eng II**: 4 SF  
  Prerequisites: MATH 1220 + PHYS 2210
- **PHYS 2225 Physics Lab for Sci & Eng II**: 1  
  Prerequisites: MATH 1220 + PHYS 2210

#### CHEMISTRY CLASSES

- **CHEM 2000/4000 Undergrad Seminar**: 1  
  Prerequisites: CHEM 1220 + 1225
- **CHEM 1210 General Chemistry I + Lab**: 4 + 1 SF  
  Prerequisites: MATH 1050
- **CHEM 2310 + 2315 Organic Chemistry I + Lab**: 4 + 2  
  Prerequisites: CHEM 1220 + 1225
- **CHEM 3000 Quantitative Analysis**: 4 QI, CW  
  Prerequisites: CHEM 1220
- **CHEM 3060 Quantum Chemistry & Spect**: 4 QI  
  Prerequisites: MATH 2210 + PHYS 2220
- **CHEM 3070 Thermodynamics & Kinetics**: 4 QI  
  Prerequisites: MATH 2210 + PHYS 2220
- **CHEM 3100 Inorganic Chemistry**: 5  
  Prerequisites: CHEM 1220
- **WRTG 3014 Scientific Writing**: 3  
  Prerequisites: WRTG 2010

#### ADVANCED LABS - Choose 2

- **CHEM 5700 Analytical Chemistry Lab**: 2 CW  
  Prerequisites: CHEM 3000
- **CHEM 5710 Organic Chemistry Lab**: 2  
  Prerequisites: CHEM 2320
- **CHEM 5720 Physical Chemistry Lab**: 2  
  Prerequisites: CHEM 3060, 3070
- **CHEM 5730 Inorganic Chemistry Lab**: 2  
  Prerequisites: CHEM 3100
- **CHEM 3200 Radiochemistry**: 3  
  Prerequisites: CHEM 3000

#### BUSINESS ELECTIVES

- **ACCTG 2600 Accounting**: 3  
  Prerequisites: CHEM 4800 (research), CHEM 4965 (internship), or CHEM 4999 (Honors Thesis)
- **MGT 3000 or MGT 3680 Princ. Of Management or Human Behav in Organizations**: 3  
  Prerequisites: CHEM 1211 or 1221
- **FINAN 3000 or FINAN 3040 Investing or Financial Management**: 3  
  Prerequisites: CHEM 1211 or 1221
- **MKTG 3000 or MKTG 3010 Marketing Vision or Principles of Marketing**: 3  
  Prerequisites: CHEM 1211 or 1221

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◊: Can take whichever calculus sequence is appropriate, talk to advisor about sequencing.

₸: Find the statistics option that works best for you. Talk to your advisor! CHEM 4800 (research), CHEM 4965 (internship), or CHEM 4999 (Honors Thesis)

⌂: Honors versions are PHYS 3210 + 3220.

○: Honors versions of General Chemistry are CHEM 1211 + 1221. Sequence starts in the Fall. Must apply to be in the class.

∆: Honors versions of Organic Chemistry are CHEM 2311 + 2321. Sequence starts in the Fall.