Chemistry Course Requirements - Geology Emphasis (2020-2021)

The Geology emphasis allows students to choose geology electives that interest them, and potentially go into fields related to geoscience, geochemistry, hydrology, and oil and gas exploration.

1st Year Fall
- CHEM 1210¹ Gen Chem I
  4 cr. F, S, U SF
- CHEM 1215¹ Gen Chem I Lab
  1 cr. F, S, U

1st Year Spring
- CHEM 1220¹ Gen Chem II
  4 cr. F, S, U SF
- CHEM 1225¹ Gen Chem II Lab
  2 cr. F, S, U

2nd Year Fall
- CHEM 2310¹ Org Chem I
  4 cr. F, S, U SF
- CHEM 2315¹ Org Chem I Lab
  2 cr. F, S, U

2nd Year Spring
- CHEM 2320¹ Org Chem II
  4 cr. F, S, U
- CHEM 2325¹ Org Chem II Lab
  2 cr. F, S, U

3rd Year Fall
- CHEM 3000 Quant Analysis
  4 cr. F, S, U CWQI

3rd Year Spring
- CHEM 3060 Quantum Chem
  4 cr. F, S QI

4th Year Fall
- CHEM 57XX⁴ Adv. Lab
  2 cr. Half Sem

4th Year Spring
- CHEM 57XX⁴ Adv. Lab
  2 cr. Half Sem

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) Need at least 16 credits of geology. Check Degree Audit to see accepted geology. Contact chemistry advisors to determine if a course not listed could fulfill this requirement. CHEM 4800 (research), CHEM 4999 (Honors Thesis), or CHEM 4965 (internship) can waive 2 credits.