



B.S. Program in Chemistry

| | FALL | WINTER | SPRING |
|-------------|--|--|--|
| First Year | CHEM 1101 General Chemistry I (5)* MATH 1304 Calculus I (4) GE | CHEM 1102 General Chemistry II (5) MATH 1305 Calculus II (4) GE | CHEM 1103 General Chemistry III (5) MATH 2304 Calculus III (4) GE |
| Second Year | CHEM 2200 Quantitative Analysis (5)** CHEM 3301 Organic Chemistry I (5)* PHYS 1001 General Physics I (5) GE | CHEM 3302 Organic Chemistry II (5) PHYS 1002 General Physics II (5) CS 1020 Introduction to Computers or CS 1160 Introduction to Computer Science and Programming Methods (4) GE | CHEM 3303 Organic Chemistry III (5) PHYS 1003 General Physics III (5) MATH 2101 Elements of Linear Algebra (4) GE |
| Third Year | CHEM 3511 Physical Chemistry I (3) ME GE | CHEM 3512 Physical Chemistry II (3) CHEM 3531 Physical Chemistry Laboratory I (2) CHEM 4240 Instrumental Methods of Analysis (4) GE | CHEM 3513 Physical Chemistry III (3) CHEM 3532 Physical Chemistry Laboratory II (2) ME GE |
| Fourth Year | CHEM 4161 Advanced Inorganic Chemistry I (3) CHEM 4411 General Biochemistry I (4) or CHEM 3400 Introductory Biochemistry (4) ME GE | CHEM 4162 Advanced Inorganic Chemistry II (3) ME GE | CHEM 4180 Inorganic Chemistry Laboratory (2) ME GE |

GE – General Elective

ME – Major Elective

Chemistry Electives (3- 4 courses, 11-12 units): CHEM 4311 (4), CHEM 4412 (4), CHEM 4430 (4), CHEM 4521(4), CHEM 4601(4), CHEM 4602 (4), CHEM 4810 (2), CHEM 4413 (4), CHEM 4700 (2), CHEM 4900 (1-4). (No more than two units of CHEM 4810 and CHEM 4900 combined may be applied to the major).

*Sequence may be taken W, Sp, Su

**Offered during summer quarter