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|  | | **B.S. Program in Biochemistry** | | |
|  | **FALL** | | **WINTER** | **SPRING** |
| First Year | CHEM 1101 Gen Chem I (5)1  MATH 1304 Calculus I (4)  GE | | CHEM 1102 Gen Chem II (5)  MATH 1305 Calculus II (4)  GE | CHEM 1103 Gen Chem III (5)2  MATH 2304 Calculus III (4)  GE |
| Second Year | CHEM 3301 Org Chem I (5)1  BIOL 1401 Molec Cell Biol (5)  CHEM 2200 Quant Analysis (5)2  GE | | CHEM 3302 Org Chem II (5)  BIOL 1402 Plant Biol (5)  GE | CHEM 3303 Org Chem III (5)2  BIOL 1403 Animal Biol (5)  GE |
| Third Year | PHYS 1001 Gen Physics I (5), *or* PHYS 2701 Intro Physics I (4)  CHEM 4411 Gen Biochem I (4)  GE | | PHYS 1002 Gen Physics II (5), *or* PHYS 2702 Intro Physics III (4)  CHEM 4412 Gen Biochem II (4)  CHEM 4430 Biochem Lab I (4)  GE | PHYS 1003 Gen Physics II (5), *or* PHYS 2703 Intro Physics III (4)  CHEM 4413 Gen Biochem III (4)  CHEM 4431 Adv Biochem Lab (2)  GE |
| Fourth Year | CHEM 3511 Phys Chem I (3)  STAT 3031 Stat Method Biol (4) *or* STAT 3502 Stat Inference I (4)  ME  GE | | CHEM 3512 Phys Chem II (3)  ME  GE | CHEM 3513 Phys Chem III (3)  ME  GE |

Lower Division: 59-62 units; Upper Division: 52-55 units.

1Sequence may be taken W, Sp, Su.

2Offered during summer quarter.

GE: General Elective

ME: Major Elective

**Major Electives (2 courses, 6-9 units):** CHEM 4240 (4), CHEM 4440 (3), CHEM 4450 (3), CHEM 4460 (3), BIOL 3121 (5), BIOL 4455 (4).