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|  | | **B.A. Program in Biochem** | | |
|  | **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  CS 1020 Intro Computers (4), *or* CS 1080 Intro Media Comput (4), *or* CS 1160 Intro CS (4)  GE |
| Second Year | CHEM 3301 Org Chem I (5)1  BIOL 1401 Molec Cell Biol (5)  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 2701 Intro Physics I (4)  CHEM 4411 Gen Biochem I (4)  GE | | PHYS 2702 Intro Physics III (4)  CHEM 4412 Gen Biochem II (4)  GE | PHYS 2703 Intro Physics III (4)  CHEM 4413 Gen Biochem III (4)  GE |
| Fourth Year | CHEM 3501 Biophys Chem I (4) *or*  CHEM 3511 Physical Chem (3)  ME  GE | | CHEM 4430 Biochem Lab I (4)  ME  GE | CHEM 4431 Adv Biochem Lab (2)  ME  GE |

Lower Division: 54 units; Upper Division: 39-43 units.

1Sequence may be taken W, Sp, Su.

2Offered during summer quarter.

GE: General Elective

ME: Major Elective

**Major Electives (1-2 courses, 3-6 units):** CHEM 3200 (4), CHEM 4440 (3), CHEM 4450 (3), CHEM 4460 (3), CHEM 4700 (2), BIOL 3121 (5), BIOL 3151 (5), BIOL 3405 (6), CHEM 4810 (2), CHEM 4900

(1-4). No more than two units total of CHEM 4810 + CHEM 4900 may be applied towards the degree.