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|  | **B.A. Program in Biochem** |
|  | **FALL** | **WINTER** | **SPRING** |
| First Year | CHEM 1101 Gen Chem I (5)1MATH 1304 Calculus I (4)GE  | CHEM 1102 Gen Chem II (5)MATH 1305 Calculus II (4)GE  | CHEM 1103 Gen Chem III (5)2CS 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)1BIOL 1401 Molec Cell Biol (5)GE | CHEM 3302 Org Chem II (5)BIOL 1402 Plant Biol (5)GE | CHEM 3303 Org Chem III (5)2BIOL 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)MEGE | CHEM 4430 Biochem Lab I (4)MEGE | CHEM 4431 Adv Biochem Lab (2)MEGE |

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.