

Comparison of Sample Plans Leading to Bachelor Degrees in Chem and Biochemistry

Semester	BS CHEM	BS BCHM	BA CHEM	
1	CHEM 146 (3) CHEM 177 (2) MATH 140 (4) ENGL 101 (3) UNIV 100 (1) Gen Ed (3)	CHEM 146 (3) CHEM 177 (2) MATH 140 (4) ENGL 101 (3) UNIV 100 (1) Gen Ed (3)	CHEM 131 (3) ^a CHEM 177 (2) MATH 135 (4) ^b ENGL 101 (3) UNIV 100 (1) Gen Ed (3)	
2	CHEM 237 (4) BSCI 170 (3) BSCI 171 (1) MATH 141 (4) Gen Ed (3)	CHEM 237 (4) BSCI 170 (3) BSCI 171 (1) MATH 141 (4) Gen Ed (3)	CHEM 237 (4) MATH 136 (4) ^b BSCI 170 (3) Gen Ed (3)	
3	CHEM 247 (4) PHYS 161 (3) Gen Ed (6)	CHEM 247 (4) PHYS 161 (3) BSCI LL (4) Gen Ed (3)	CHEM 247 (4) PHYS 131 (4) ^c Gen Ed (6)	
4	CHEM 276 (2) CHEM 277 (3) PHYS 260 (3) PHYS 261 (1) MATH 241 (4) Gen Ed (3)	CHEM 276 (2) CHEM 277 (3) PHYS 260 (3) PHYS 261 (1) MATH 241 (4) ^g Gen Ed (3)	CHEM 271 (2) CHEM 272 (2) ^f PHYS 132 (4) ^c Gen Ed (3) Elective (6)	
5	CHEM 481 (3) CHEM 483 (2) ENGL 39X (3) Gen Ed (3) Elective (3)	BCHM 461 (3) CHEM 481 (3) BSCI UL (4) Gen Ed (3) Elective (3)	CHEM 480 (3) BCHM 461 (3) ^e Gen Ed (3) Elective (6)	
6	CHEM 482 (3) CHEM 484 (2) CHEM 395 (1) Gen Ed (3) Elective (6)	BCHM 485 (3) CHEM 483 (2) CHEM 395 (1) ENGL 39X (3) Gen Ed (6)	CHEM ^d UL (3) CHEM 395 (1) ENGL 39X (3) Gen Ed (3) Elective (6)	
7	CHEM 425 (4) CHEM ^d UL (3) Gen Ed (3) Elective (6)	BCHM 462 (3) CHEM 425 (4) Gen Ed (3) Elective (5)	BCHM 477 (3) Gen Ed (3) Elective (9)	

8	CHEM 401 (3) CHEM ^d UL (3) Elective (9)	BCHM 465 (3) BCHM 464 (3) Elective (9)	CHEM 401 (3) Elective (12)	
Major Credits	42 (24 UL)	42 (25 UL)	33 (16 UL)	
Supporting Credits	23	27 (31 ^g)	19	
Gen Ed Credits	31	31	31	
Electives	24	16	37	

Notes on Sample Programs:

- (a) CHEM 146 can substitute for CHEM 131.
- (b) MATH 135 and 136 (8 cr) satisfy requirements for the BA track, but NOT the BS track.
- (c) PHYS 131 and 132 (8 cr) satisfy requirements for the BA but NOT the BS track.
- (d) Upper Level CHEM/BCHM elective. E.g. BCHM 462, 465, CHEM 403, 433, 441, 460. Relevant courses in BSCI, CHBE, MATH etc. can also satisfy this requirement. See the Chemistry and Biochemistry Undergraduate Services Office for a complete list.
- (e) BCHM 463 can substitute for BCHM 461.
- (f) 4 Credits of General Chemistry labs are required. Students who took CHEM 132 (1 cr) instead of CHEM 177 (2 cr) must take CHEM 277 (3 cr) instead of CHEM 272 (2 cr).
- (g) MATH241 is strongly recommended for the BCHM BS major, particularly as preparation for CHEM481.