CHEMISTRY MAJOR – BIOCHEMISTRY PROGRAM 2008

50:160:115 (3) Chemical Principles I
50:160:125 (1) Chemical Principles Lab I
50:160:116 (3) Chemical Principles II
50:160:126 (1) Chemical Principles Lab II
50:160:335 (4) Organic Chemistry I
50:160:339 (1) Organic Chemistry Lab I
50:160:336 (4) Organic Chemistry II
50:160:340 (1) Organic Chemistry Lab II
50:160:326 (3) Instrumental Analysis
50:160:330 (1) Instrumental Analysis Lab
50:160:345 (3) Physical Chemistry I
50:160:347 (1) Physical Chemistry Lab I
50:160:346 (3) Physical Chemistry II
50:160:348 (1) Physical Chemistry Lab II
50:160:491 or 492 (1) Chemistry Seminar / Exit Exam
50:115:403 (3) General Biochemistry I
50:115:407 (1) General Biochemistry Lab I
50:115:404 (3) General Biochemistry II
50:115:408 (1) General Biochemistry Lab II (Biochemistry Lab II is only offered in the Spring semester of even years. Biochemistry I and Biochemistry I Lab are prerequisites for Biochemistry II Lab.)

Either: Two Chemistry courses from:

50:160:343 (3) Structure and Bonding
50:160:435 (3) Advanced Organic Chemistry I
56:160:509 (3) Mechanism in Organic Chemistry I
56:160:510 (3) Mechanism in Organic Chemistry II

or: One Chemistry course (from the above) and one Biology course from

50:120:307 (3) Genetics
50:120:338 (3) Immunology and Serology
50:120:341 (3) General Physiology
50:120:480 (3) Recombinant DNA technology

(Accompanying lab courses are recommended but not required)

(45 Biochem credits)

Outside of Department

50:120:101 (3) General Biology I
50:120:107 (1) General Biology Lab I
50:120:102 (4) General Biology II
50:120:305 (3) Molecular Biology
50:640:121 (4) Unified Calculus I

50:640:122	(4)	Unified Calculus II	
50:750:131	(3)	Elements of Physics I	
50:750:133	(1)	Elements of Physics Lab I	
50:750:132	(3)	Elements of Physics II	
50:750:134	(1)	Elements of Physics Lab II	(27 credits)

(50:750:131-134 can be substituted by 50:750:203-206, but the 131-134 sequence is preferred)

(45 + 27 = 72 credits)