

BS Chemistry (ACS Approved Biochemistry Option): 87 credits in Major**Suggested Plan of Study**Department of Chemistry: Phone 320-308-3031 E-mail chemistry@stcloudstate.edu**Chemistry Major Advisors (Transfer advisors are underlined):**

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First Semester	Second Semester
¹ Chemistry 210 (4 cr.) ² Math 221 (5 cr.) Biology 151 (4 cr.) ³ Core Gen. Ed. (3 cr.) Total semester credits = 16	Chemistry 211 (4 cr.) Math 222 (4 cr.) Biology 152 (4 cr.) ³ Distribution Area A or C Racial Issues course (3 cr.) Total semester credits = 15
Third Semester	Fourth Semester
⁴ Chemistry 310 (5 cr.) ⁵ Chemistry 350 (4 cr.) Physics 234 (5 cr.) ³ PESS 122 (1 cr.) Total semester credits = 15	Chemistry 311 (4 cr.) Biology 262 (4 cr.) Physics 235 (5 cr.) ³ Distribution Area A or C Diversity course (3 cr.) Total semester credits = 16
Fifth Semester	Sixth Semester
Chemistry 420 (4 cr.) Chemistry 422 (1 cr.) Chemistry 480 (4 cr.) Biology 360 (4 cr.) ³ Core Gen. Ed. (3 cr.) Total semester credits = 16	Chemistry 421 (4 cr.) Chemistry 423 (1 cr.) Chemistry 391 (1 cr.) Chemistry 481 (4 cr.) ³ ENGL 191 (4 cr.) or other Core Gen. Ed. Total semester credits = 14
Seventh Semester	Eighth Semester
Chemistry 430 (4 cr.) ⁶ Chemistry 489 or 444 (1 cr.) ³ Core Gen. Ed. (3 cr.) ³ Distribution Area A or C Diversity course (3 cr.) ³ Distribution Area A or C (3 cr.) Total semester credits = 14	Chemistry 450 (4 cr.) ⁶ Chemistry 489 or 444 (1 cr.) Chemistry 491 (2 cr.) ³ Distribution Area A or C (3 cr.) ⁷ Total semester credits = 10 ++

Notes:

¹The prerequisites for Chemistry 210 are high school advanced algebra (or MATH 072), high school chemistry, and one of the following: passing score on the Chemistry Placement Exam OR grade of C or better in CHEM 160 (prior to Fall 2008 in was Chem 140). Contact the Chemistry Department at 320-308-3031 or refer to the department's web page (www.stcloudstate.edu/chemistry) for information and scheduling of the Chemistry Placement Exam. Students scoring 35 or greater may enroll in CHEM 210. Students scoring between 30-34 may enroll in CHEM 210 concurrently with CHEM 110, a one-credit booster course that runs the first five weeks of the semester. Students scoring below 30 must register for CHEM 160 and obtain a grade of C or better before enrolling in CHEM 210.

²Contact the Math Department at 320-308-3001 regarding placement into MATH 221. Note that MATH 221 is an acceptable substitute for MATH 193 in the General Education Core requirements. MATH 221 and 222 also allow for a waiver of 3 credits in Area B of the General Education Distribution requirements.

³The general education program must be satisfied by completion of ENGL 191, CMST 192, PHIL 194, Democratic Citizenship 195, three courses in Area A and two in Area C (or vice-versa). The Area A and C courses must include 3 approved Diversity courses, one of which must be an approved Racial Issues course. All students must complete PESS 122.

⁴Upper level chemistry courses (except CHEM 350) are not offered every semester. Odd semesters above correspond to fall offerings, and even semesters correspond to spring offerings.

⁵CHEM 350 is normally offered fall and spring semester.

⁶A minimum of 2 credits of undergraduate research (CHEM 489) or pre-approved internship (CHEM 444) are required.

⁷A minimum of 120 credits must be earned to graduate. The 45 upper level credit requirement is completely met by completion of this major.

NOTE: The following courses are normally offered in the summer: CHEM 160, 210, 211. Consult departments after February 1 to determine expected summer course offerings.