

BS BIOTECHNOLOGY: 87 credits in MajorDepartment of Biological Sciences: Phone 320-308-2039 or Biology@stcloudstate.edu

Biotechnology Major Advisors

Dr. Chris Kvaal 320-320-4138 cakvaal@stcloudstate.eduDr. Timothy Schuh 320-308-6433 tjschuh@stcloudstate.edu**First Semester**¹Biology 151(4cr) or 152(4cr)
²Chemistry 210 (4cr)Core General Ed (3 or 4cr)
General Ed from Distribution area A or C (3cr)**Total semester credits=14 to 15****Second Semester**¹Biology 151 (4cr) or 152 (4cr)
Chemistry 211 (4cr)
³Statistics 193 (3cr) or 319 (4cr)Core General Ed (3 or 4cr)
or
General Ed from Distribution area A or C (3cr)**Total semester credits=15 to 16****Third Semester**BIOL 262(4cr)
⁸Chemistry 310 (5cr)
³Statistics 319 (4cr) if not previously taken
Physics 231 (4Cr)

A General Education course may be taken if Statistics 319 was previously completed.

Total semester credits=16 to 17**Fourth Semester**BIOL 360 (4Cr)
⁸Chemistry 311 (4 Cr)
Physics 232 (4 Cr)Core General Ed (3 or 4cr)
or
General Ed from Distribution area A or C (3cr)**Total semester credits=15 to 16****Fifth Semester**BIOL 362 (4cr)
Chemistry 480 (4Cr)
³Math 211(3Cr)
⁵PESS 122 (1Cr)Core General Ed (3 or 4cr)
or
General Ed from Distribution area A or C (3cr)**Total Semester Credits=15 to 16****Sixth Semester**Biology 468 or 472 or 482 (3 or 4Cr)
Math 212 (3 Cr)
Chemistry 481 (4Cr)
⁶Biology 444 (1Cr)Core General Ed (3 or 4cr)
or
General Ed from Distribution area A or C(3cr)**Total Semester Credits=14 to 16****Seventh Semester**Biology 468 or 472 or 482 (3 or 4Cr)
⁴ Elective (4Cr)Core General Ed (3 or 4cr)
General Ed from Distribution area A or C (3Cr)**Total Semester Credits= 14 to 15****Eighth Semester**Biology 468 or 472 or 482 (3 or 4Cr)
⁷Biology 484 (4Cr)
⁴Elective (4Cr)Core General Ed (3 or 4cr)
or
General Ed from Distribution area A or C (3Cr)**Total Semester Credits= 15 to 16****Notes:**¹Biology 151 and 152 may be taken in any order, i.e., 151 is **not** a prerequisite for 152.²A placement exam administered by the Department of Chemistry is required to determine readiness for Chemistry 210.

Contact the Chemistry Department at 320-308-3031. If placement is in Chemistry 140, progress through Chemistry series is delayed by one semester.

³To determine your readiness for Mathematics or Statistics 193 (core math) contact the Math Department at 320-308-3001.

The Mathematics department provides a Math placement exam which is required before enrolling in a Math/Stats class.

⁴Contact the Biology Department for approved Biology electives, 8 credits are required. Contact your Biology advisor for specifics or the Biology Department at 320-308-2039.⁵PESS 122 is a one credit Health and Wellness course required for all SCSU students. It may be taken any semester but is required for graduation. Contact Departments by February 1st to determine expected Summer course offerings.

Not all Biology electives are offered both Fall and Spring Semesters. Contact the Biology Department for specific course offerings.

SCSU requires a minimum of 120 semester credits to earn a Bachelors degree, 45 of these credits must be at the 300 or 400-level.

Biotechnology majors do not have to take General Education courses from Distribution Area B.

A total of 9 general education courses are required of students in this major: four core courses; Engl 191, CMST192, Phil 194, Democratic Citizenship 195 and a total of five courses in Distribution areas A and C. The courses may be three in Area A and two in Area C or vice versa. All SCSU students are required to complete a Racial Issues course; all of these courses are included in Area C.

⁶ An internship experience is required for all Biotechnology students. Most students complete this requirement during their junior or senior year, often during the summer break. Please see advisor.

⁷ Capstone may be taken any semester senior year.

⁸ Chemistry 310 is only offered Fall Semester, Chemistry 311 is only offered Spring Semester.

Revised February 2004