

B.S. in BIOLOGY: BIODIVERSITY, ECOLOGY, & EVOLUTION: 73-84 creditsDepartment of Biological Sciences: Phone 320-308-2039 or biology@stcloudstate.edu**BEEs Major Advisors**

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First Semester	Second Semester
¹ Biology 151 (4cr) or 152 (4cr) ² Chemistry 210 (4cr) Liberal Education course, English 191 (4cr) recommended Liberal Education course (3cr) Total semester credits = 15	¹ Biology 151 (4cr) or 152 (4cr), whichever was not taken in 1 st semester ^{4,5} Math 112 (3cr) Liberal Education course (3cr) Liberal Education course (3cr) Liberal Education course (3cr) Total semester credits = 16
Third Semester	Fourth Semester
Biology 306 or 308 (4cr) Biology 222 (2cr) Biology 262 (4cr) ³ Chemistry 240 (4cr) Total semester credits = 14	Biology 306 or 308 (4cr), whichever was not taken in 3 rd semester Biology 312 (4cr) Statistics 239 (3cr) and Biology 339 (1cr, taken concurrently) Liberal Education (3cr) Total semester credits = 15
Fifth Semester	Sixth Semester
Biology 362 (4cr) Biology 456 (3cr) ⁷ BEEs Major elective (3 or 4cr) ⁶ BEEs Quantitative and Technical elective (1, 2, 3, or 4cr) Liberal Education course (3cr)	⁷ BEEs Major elective (3 or 4cr) ⁷ BEEs Major elective (3 or 4cr) ⁶ BEEs Quantitative and Technical elective (1, 2, 3, or 4cr) Liberal Education course (3cr)
Seventh Semester	Eighth Semester
⁷ BEEs Major elective (3 or 4cr) ⁷ BEEs Major elective (3 or 4cr) Liberal Education course (3cr) Electives as needed	⁷ BEEs Major elective (3 or 4cr) ⁷ BEEs Major elective (3 or 4cr) Liberal Education course (3cr) Electives as needed

Each semester it is recommended that you enroll in approximately 15 credits.

Notes:

¹Biology 151 and 152 may be taken in any order, i.e., 151 is **not** a prerequisite for 152. Both courses require college level math placement (i.e., eligibility for MATH 193.)

²CHEM 210 prerequisites are completion of CHEM 160 with C or better, or other placement criteria. Contact the Chemistry Department at 320-308-3031 or refer to <https://www.stcloudstate.edu/chemistry/programs/placement.aspx>.

³Chem 240 is only offered Fall Semester, Chem 241 is only offered in the spring. Refer to: <https://www.stcloudstate.edu/chemistry/programs/placement.aspx>.

⁴MATH 112 and STAT 239 are required for the major. Please also note that MATH 112 satisfies the Liberal Education math requirement.

⁵A placement exam is required prior to enrollment in MATH/STAT classes. Contact the Math Department at 320-308-3001 or refer to: <https://www.stcloudstate.edu/mathstat/placement/default.aspx>.

⁶You must complete two Quantitative and Technical Skills courses from: BIOL 466, CSCI 172, MATH 221, 222, GEOG 216, 316, STAT 321, 325, 421.

⁷You must complete at least SEVEN BEEs elective courses including at least TWO from each elective concentration area. Courses included in the **Evolution and Biodiversity** concentration area are: BIOL 314, 316, 318, 322, 324, 414, 420, 422, 430, 434, 457, 460, 465, 475, GEOG 473. Courses included in the **Ecology, Conservation, and Management** concentration area are BIOL 313, 326, 418, 436, 441, 442, 448, 461, 491, ETS 367, 368, 465, GEOG 303, 379. Up to three credits can be applied to your BEEs electives from BIOL 444 or BIOL 451.

Other comments:

- SCSU requires a **minimum of 120 semester credits to earn a Bachelor's degree**. If required Liberal Education and Major courses are completed efficiently, students may need a few more general elective credits to complete the full 120 credits.
- SCSU requires a **minimum of 40 credits at the 300 or 400-level for graduation**. Major, minor and general elective courses all count toward the 300-400 level requirement.
- Some courses, particularly 100-200 level courses and some major electives, are offered in the summer. Contact Departments after February 1st or later to inquire about expected summer course offerings.
- It is essential to see your biology advisor during the first semester you are enrolled in biology courses. Biology electives are frequently offered either Fall or Spring semesters. Additional courses may be offered intermittently.
- This program provides students with most of the coursework for certification as professional ecologists by the Ecological Society of America (ESA), but full certification requires experience beyond a bachelor's degree.