

BIOLOGY CURRICULUM REQUIREMENTS CHECKLIST (Total hours 128)

General Education Requirements (53-54 hours)

ENGLISH: ENG 101 (3 hr) _____ ENG 102 (3 hr) _____

HISTORY: HIST 101 – 112: HIST (3 hr) _____ HIST (3 hr) _____

FOREIGN LANGUAGE: 109 – 110, 121-122 (testing determines sequence to achieve 122 fluency)

MATH: Sequence 1: MATH 115 (optional) _____ MATH 141 _____ MATH 142 _____ STAT 205 _____
Sequence 2: MATH 111 (opt.) _____ MATH 122 _____ MATH 170 or 172 _____ STAT 205 _____

HUMANITIES: AFRO, CPLT, ENGL 280 and higher (not 450, 460 – 463), LANG 209 and higher,
HIST 115 and higher, PHIL (not 110, 111, 511), RELG, WOST 111 _____ (3 hr)

FINE ARTS: ARTH 105, 106, ARTE 101, MUSC 110, 140, DANC 101, THEA 200, 561, 562 _____ (3 hr)

COMPUTER SCIENCE: CSCE 102 and higher _____ (3 hr)

SOCIAL SCIENCES: ANTH, ECON, GEOG, POLI, PSYC (not 227, 594-599), SOCY (not 220),
WOST 112 _____ (3 hr) _____ (3 hr)

Biology Major Requirements

Major Prerequisites (A minimum grade of “C” is required before taking upper level courses):

BIOL 101 (4 hr) _____ BIOL 102 (4 hr) _____ CHEM 111(4 hr) _____ CHEM 112 (4 hr) _____

Major Courses (28 hr): 300-600 levels, including two 500-600 level and three with associated labs.

NOTE: MAJOR COURSES CAN ONLY BE REPEATED ONCE.

Any two of the following must be completed before taking 400 and higher level BIOL courses:

BIOL 301 (3 hr) _____, 302 (3 hr) _____, 303 (3 hr) _____ (301L and 302L are strongly suggested)

Upper level requirements:

Physiology (3 hr): 425, 460, 543, 643 _____ LAB requirements _____

Plant (3 hr) 420, 425, 523-528, 643, 670, 671 _____

Remaining BIOL credits (28 hr total) _____

Note: No more than 3 credits for 398 and/or 399 *combined* may apply toward major.

Cognate Requirements (12 hours including Organic Chemistry Requirements):

CHEM 333 (3 hr) _____ 331L (1 hr) _____ 334 (3 hr) _____ 332L (1 hr) _____ additional cognate(4 hr) _____
or minor

Chemistry Minor (optional):

Org. Chem. and CHEM 321, 321L (4 hr) _____, CHEM 300 or higher level (4 hr) _____

Alternative Minor(optional): Refer to department of interest for course guideline.

Electives: Courses of individual interest to total of 128 credit hours. Pre professional should include PHYS 201 and 202.

COURSES APPROVED FOR COGNATE CREDIT FOR BIOLOGY MAJORS (4 hours)

Refer to your catalog for credit hours for a specific course.

ANTH 367, 552, 561, 567

GEOG 201, 202, 324, 347, 530, 545, 546, 547, 571, 573 (several are 4 hr courses)

MSCI 312 and higher (except BIOL cross-listed courses)

ASTR 300 and higher

CHEM 321 and higher (except 550 and 550L)

CSC 213 and higher

GEOL 300 and higher (305-355 (4hr))

MATH 241 and higher

PHYS 212 and higher

STAT 506 and higher (excluding 515)

PSYC 550, 560

Note: No 398 or 399 course can be used for cognate credit. Other courses with scientific content may be approved, but must be approved by both the student's advisor and the Director of Undergraduate Studies for the Department of Biological Sciences.

Cognate requirements may change; check current catalog for accepted courses.