

B.S. DEGREE - Fall 2020

31 HOURS OF BIOLOGY MINIMUM (11 or more courses) (1 August 2020)

Effective for Freshmen entering Fall 2020 and for all other students declaring a Biology Major as of Fall 2020 (UPDATED 23 August 2023)

- ▶ **141** Foundations of Modern Biology I - LECTURE (3)
- ▶ **141L** Foundations of Modern Biology I - LAB (2)
- ▶ **142** Foundations of Modern Biology I - LECTURE (3)
- ▶ **142L** Foundations of Modern Biology II - LAB (2)

(NOTE: An AP score of 4 or 5 on the Biology AP exam OR an IB score of 5, 6, or 7 will exempt students from the **Biology 141 LECTURE only**.

Biology 141L (Lab), Biology 142, and Biology 142L (Lab) are required.

- ▶ **One Biology course from each of the following areas:**

COLUMN A	COLUMN B	COLUMN C
<i>Cell & Molecular</i>	<i>Organismal</i>	<i>Ecology & Evolution</i>
223 Developmental Biology (3)	205 Comparative Vertebrate Anatomy, w/Lab (5)	241 Evolutionary Biology (4)
250 Cell Biology (3)	240 Organismal Form & Function ** (3)	247 Ecology (same as ENV5 247) (3)
264 Genetics: A Human Perspective (4)	360 Intro. to Neurobiology (same as NBB 301) (3)	329 Coastal Biology w/Lab* (4)
	370 Intro. To Microbiology (4)	

*=Fulfills the upper-level laboratory requirement.

**=Biology 240 can be taken in fall semester by freshmen with AP Biology credit, concurrently with Biol. 141L.

- ▶ **Four (or more) electives (totaling at least 12 credit hours minimum)** from the biology course listings. 100-level biology courses and Biology 497R (Supervised Reading) do NOT count as biology electives.
 - ▶ **Chemistry and Physics** requirements, as follows:
Chemistry 150/150Z + 150L/150LZ; Chemistry 202/202Z + 202L/202ZL; Chemistry 203/203Z + 203L/203ZL, and Physics 141/151, w/Lab.
 - ▶ **Math** requirements - 3 classes:
CALCULUS - 2 semesters: Math 111 + Math 116 (Math 112 may be taken in lieu of Math 116 ONLY in the case of a double major requirement and ONLY with the Biology advisor's approval). Students with up to 4 hours of AP credit for AB Calculus are exempt from Math 111; students with up to 8 hours of BC Calculus are exempt from Math 111 and Math 116 (or Math 112/112Z).
STATISTICS - 1 semester: QTM 100 (Intro to Stat. Inference). (NOTE: AP Statistics credit does NOT substitute for QTM 100.)
- NOTES:**
- ▶ Biology 141, 141L, 142, and 142L are prerequisites for most upper level courses in biology, except for Biology 200 and Biology 240.
 - ▶ A "C" average is required in the major.
 - ▶ All courses required for the Biology major must be taken for a **LETTER GRADE**.
 - ▶ Only **ONE** cross-listed course that **ORIGINATES IN ANOTHER DEPARTMENT** may be taken for the biology major (Biol/ANT 212, Biol/Psyc 320, Biol/Psyc 325, Biol/Chem 330, Biol/Hlth 340, Chem 340, Chem 343, Biol/ENV5 345, Biol/Chem 346L, Biol/ENV5 349, Biol/QTM 355, Biol/ENV5 361, NBB 361W, Biol/ENV5 373, Biol/ENV5 375, Biol/Phys 434, Biol/Psyc 440W, Biol 442/Hlth 440, and some Biology 285/286, 385/386, and 485/486 special topic courses see current course atlas).
 - ▶ **ONE upper-level Biology laboratory** course is required for the Biology major (Biol 205, 224, 247LW, 260, 286, 329, 341LW, 346L, 360L/NBB 301L, 370LW, 372, 380, 386, 486, 495A/BW, 499R, and NBB 361W).
 - ▶ A **maximum of 4 credit hours** of Biology 495A/BW (Honors Research) **OR** Biology 499R (Undergraduate Research) may be counted as elective credit and an **upper-level lab after completion of the second semester**.
 - ▶ ALL Biology majors are required to **meet with their Biology advisor EVERY SEMESTER** during the advising period prior to registration for the next semester. An **ENROLLMENT HOLD/BLOCK** (Service Indicator) will be placed on the student's OPUS account each semester until he/she has met with his/her Biology advisor for advising. The student's **Biology ADVISOR will release the enrollment hold** after meeting with the student.