

B.S. DEGREE - Fall 2017

31 HOURS OF BIOLOGY MINIMUM (11 or more courses)

Effective for Freshmen entering Fall 2017 and for all other students declaring a Biology Major as of Fall 2017 (6.6.17)

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

▶ **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 ENVS 247) (3)
264 Genetics: A Human Perspective (4)	360 Intro. to Neurobiology (same as NBB 301) (3)	329 Coastal Biology w/Lab* (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 (12 hours minimum)** from the biology course listings. 100-level biology courses and Biology 497R (Supervised Reading) do NOT count toward the biology major.

▶ **Chemistry and Physics** requirements, as follows:

Chemistry 150 + 150L and Chemistry 202 + 202L, Chemistry 221 with 221 Lab (or Chemistry 221Z/226L), and Physics 141 (or 151) with Lab.

Freshmen who have AP credit for Chemistry 141/150 + 150L and take Chemistry 221Z/226L will be exempt from taking Chemistry 142 for the biology major.

NOTE: Chemistry 221/221Z/221L/221LZ will become 203/203L in Fall 2018; Chemistry 222/222Z/222L/222ZL will become 204/204L in Spring 2019.

▶ **Math** requirements - 3 classes:

CALCULUS - 2 semesters (Math 111 + Math 116, OR 4 hours AP credit for AB Calculus + Math 116, OR 8 hours AP credit for BC calculus.)

STATISTICS - 1 semester: QTM 100 (Intro to Stat. Inference).

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. These courses are: Biol/Psyc 320, Biol/Psyc 325, Biol/Chem 330, Biol/ENVS 345, Biol/Chem 346L, Biol/ENVS 349, Biol/ENVS 361, NBB 361W, Biol/Psyc 440, and certain Biol 285, 385, 485, and ORDER classes.
- ▶ Cross-listed Biology courses that **ORIGINATE IN BIOLOGY** or are **SHARED** with another department do not come under the cross-listed rule. (See course atlas.)
- ▶ **2-credit hour courses** may be taken for elective credit, however, additional biology courses may be needed to fulfill the 12 hours minimum of elective credit required.
- ▶ **ONE** upper-level Biology laboratory course will be required for the Biology major (Biol 205, 224, 247LW, 260, 329, 346L, 360L/NBB 301L, 370L, 372, 495A/BW, 499R, and NBB 361W). Special topics courses with a lab will also fulfill the upper-level laboratory requirement.
- ▶ 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 **only after completion of the second semester**.
- ▶ 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) will still be required.
- ▶ All Biology majors are required to meet with their Biology advisor **EVERY SEMESTER** during the pre-registration advising period. An enrollment hold will be placed on the student's OPUS account each semester until he/she has met with his/her Biology advisor for advising. The **ADVISOR** will release the hold after meeting with the student.