

B.S. DEGREE - Fall 2015

30 HOURS OF BIOLOGY MINIMUM (11 or more courses)

Effective for Freshmen entering Fall 2015 and for all other students declaring a Biology Major as of Fall 2015 (6.17.15)

- ▶ **141** Foundations of Modern Biology I - LECTURE
- ▶ **141L** Foundations of Modern Biology I - LAB
- ▶ **142** Foundations of Modern Biology II - LECTURE
- ▶ **142L** Foundations of Modern Biology II - LAB

▶ **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 Biology 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 141 and 142 with Labs, Chemistry 221 with 221 Lab (or Chemistry 221Z/226L and Chemistry 222Z/227L), and Physics 141 (or 151) with Lab. Freshmen who have AP credit for Chemistry 141 and take Chemistry 221Z/226L will be exempt from taking Chemistry 142 for the biology major.

▶ **Math** requirements - 3 classes:

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

Oxford Continuées can fulfill the calculus requirement with Math_OX 111/112. Oxford students should discuss their specific situation with their biology advisor.

NOTE: Math 115 will no longer be offered and Math 112 will no longer be accepted for the major.

STATISTICS - 1 semester: QTM 100 (Intro to Stat. Inference) OR for Oxford students only: Math Ox 107/117 (Intro. to Probability and Stats. with Inference).

NOTES:

- ▶ Biology 141, 141L, 142, and 142L are prerequisites for all upper level courses in biology, except for the special case of Biology 240 for students with AP credit (see ** above).
- ▶ 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 counted for the biology major. These courses are: Biol/Physc 320, Biol/Physc 325, Biol/Chem 330, Biol/ENVS 345, Biol/Chem 346L, Biol/ENVS 349, Biol 356/NBB 358, Biol/NBB 361, Biol 385 (Phys 380/NBB 370), Biol/Physc 440, and certain Biol 285, 385, and 485 courses (see course atlas). This also applies to certain ECS 490 courses with biological topics (check with the Biology Dept.).
- ▶ **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.
- ▶ Up to 4 credit hours of Biology 495 (Honors Research) **OR** Biology 499R (Undergraduate Research) **OR** Biol_OX 399R (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 pre-registration. 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.