

ECOLOGY & EVOLUTIONARY BIOLOGY

BACHELOR OF SCIENCE

Requirements apply to students entering Spring 2003 and later. At least 124 hrs. (45 Junior/Senior hrs.) must be completed for graduation. Double majors must complete at least 15 hrs. unique to each major.

TWO OF THE FOLLOWING FOUR COURSES (6-7 hrs.): _____, _____

- BIOL 408 Physiology of Organisms (3 hrs.)
- BIOL 416 Cell Structure & Function (3 hrs.)
- BIOL 417 Biology of Development (3 hrs.)
- BIOL 600 Intro. Biochemistry Lectures (4 hrs.)

I. General College Requirements (33 hrs):

English (9 hrs.): ENGL 101 ____; ENGL 102 (or 105) ____; ENGL 203 (or 205, 209, 210, 211) ____

Oral Communication/Logic (3 hrs.): COMS 130/230, PHIL 148/310, **OR** Exemption/Examination ____

Western Civilization (6 hrs.): HWC 204 (or 114) ____ and HWC 205 (or 115) ____

Principal Course and/or Foreign Language Requirements (No more than one course from each topical subgroup from the principal course list can be applied toward fulfillment of this requirement. See Undergraduate Catalog and Timetable for list of principal courses and topical subgroups.):

Social Science (3 hrs.) ____; **Humanities** (3 hrs.) ____; and three additional courses in foreign language, social sciences, or humanities: _____, _____, _____.

II. General Science Requirements (25-28 hrs):

- _____ CHEM 184 Foundations of Chemistry I (5 hrs.)
- _____ CHEM 188 Foundations of Chemistry II (5 hrs.)
- _____ CHEM 622 Fund. Organic Chem. (3 hrs.) **OR**
- _____ CHEM 624 Organic Chem. I (3 hrs.)
- _____ MATH 121 Calculus I (5 hrs.) **OR**
- _____ MATH 115 & MATH 116 Calculus I & II (6 hrs.)

TWO OF THE FOLLOWING COURSES: _____, _____
 PHSX 114, PHSX 115 College Physics I & II (8 hrs.),
 ATMO 105 Introductory Meteorology (5 hrs.)
see under Physics & Astronomy in Timetable, or
 EECS 138 Introduction to Computing (3 hrs.) *see under Electrical Engineering and Computer Science in the School of Engineering section of the Timetable*

III. General Biology Requirements (17-18 hrs.):

- _____ BIOL 150 (or 151, Honors) Principles of Molecular & Cellular Biology (4 hrs.)
- _____ BIOL 152 (or 153, Honors) Principles of Organismal Biology (4 hrs.)
- _____ BIOL 350 Principles of Genetics (3 hrs.)

IV. Ecology & Evolutionary Biology Requirements (18 hrs.):

- _____ BIOL 412 Evolutionary Biology (3 hrs.)
- _____ BIOL 413 History and Diversity of Organisms (3 hrs.)
- _____ BIOL 414 Principles of Ecology (3 hrs.)
- _____ BIOL 415 Laboratory Methods in Ecology (2 hrs.)
- _____ BIOL 550 Introduction to Systematics (3 hrs.)
- _____ BIOL 570 Introduction to Biostatistics (3 hrs.)
- _____ BIOL 599 Senior Seminar in Ecology & Evolutionary Biology (1 hr.) (*must be taken in senior year*)

V. Elective and Laboratory Requirements (13 hrs.):

BIOL courses numbered 400 or higher which include at least 3 hrs. of laboratory credit and 2 hrs. of a seminar or topics course (BIOL 419, 420, 701). Courses listed above which have not been used to fulfill the above requirements may be used as electives. No more than 3 hrs. of BIOL 423 Non-Lab Independent Study and/or BIOL 424 Independent Study (combined) can be applied towards the elective requirement with no more than 2 hours of BIOL 424 being applied towards the laboratory requirement.

- BIOL ____ (____ hrs.)
- BIOL ____ (____ hrs.)
- BIOL ____ (____ hrs.)
- BIOL ____ (____ lab hrs.)
- BIOL ____ (____ lab hrs.)
- BIOL ____ (____ seminar hrs.)