

# ECOLOGY & EVOLUTIONARY BIOLOGY

## *BACHELOR OF SCIENCE*

**At least 124 hrs.** (of which 45 must be Jr/Sr hrs.—courses numbered 300 or above) **must be completed for graduation.**

**Completing the minimum requirements** listed on this sheet will result in **106 overall hrs.** and **43 Jr/Sr hrs.**

Double majors must complete at least 15 hrs. unique to the major.

### I. General College Requirements (33 hrs.):

**English** (9 hrs.): ENGL 101 \_\_\_; ENGL 102 (or 105) \_\_\_;

ENGL 203 (or 205, 209, 210, 211) \_\_\_

**Argument & Reason** (3 hrs., one of the following): \_\_\_

COMS 130, 230, PHIL 148, 310

**Western Civilization** (6 hrs.): HWC 204 (or 114) \_\_\_;

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:*

[http://www2.ku.edu/~clasus/pnwc/principal\\_courses.shtml](http://www2.ku.edu/~clasus/pnwc/principal_courses.shtml));

**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.)

### **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.)

### 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.)