

# B.S. BIOLOGY

## ECOLOGY & EVOLUTIONARY BIOLOGY

To learn about requirements for admission to the major, please visit our online course catalog page: <http://www2.ku.edu/~distinction/cgi-bin/admission368>

### GENERAL EDUCATION REQUIREMENTS (33 h)

Written Communication (9 h): ENGL 101  ENGL 102/105  ENGL 203, 205, 209, 210, or 211

Argument & Reason (3 h): COMS 130, COMS 230, PHIL 148, or PHIL 310

Western Civilization (6 h): HWC 204/114  HWC 205/115

Principal course and/or second language requirements (No more than one course from each topical subgroup from the principal course list can be applied toward fulfillment of this requirement: [http://clas.ku.edu/undergrad/curriculum/principal\\_courses](http://clas.ku.edu/undergrad/curriculum/principal_courses))

Social Science (3 h) (SC/SF/SI):  Humanities (3 h) (HL/HR/HT):

3 additional courses in social sciences (SC/SF/SI), humanities, (HL/HR/HT), and/or second language:  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

### GENERAL SCIENCE REQUIREMENTS (26–28 h)

CHEM 184/130<sup>§</sup> Foundations of Chemistry I (5)  MATH 121 Calculus I (5) **OR** MATH 115 & 116 Calculus I & II (6)  (  )

CHEM 188/135<sup>§</sup> Foundations of Chemistry II (5)  PHSX 114 & 115 College Physics I & II (8) **OR**

CHEM 622/310<sup>§</sup> Fund Organic Chemistry (3) **OR**  PHSX 211 & 212 (8)/ PHSX 211+216 & 212+236<sup>^</sup> (9) Gen. Physics I & II

CHEM 624/330<sup>§</sup> Organic Chemistry I (3)

<sup>§</sup> CHEM course numbers change beginning Fall 2013. Refer to your Degree Progress Report (DPR) and [classes.ku.edu](http://classes.ku.edu).

<sup>^</sup> PHSX course numbers change beginning Fall 2013. Refer to your Degree Progress Report (DPR) and [classes.ku.edu](http://classes.ku.edu).

### GENERAL BIOLOGY REQUIREMENTS (17–18 h)

BIOL 150/151 Prin Molecular & Cell Biol (4)  BIOL 350/360 Principles of Genetics (3)

BIOL 152/153 Prin Organismal Biology (4)

Two (6–7 h) of the following four courses:

BIOL 408 Physiology of Organisms (3) BIOL 417 Biology of Development (3)

BIOL 416/536 Cell Structure & Function (3) BIOL 600 Introductory Biochemistry, Lectures (4)

### ECOLOGY & EVOLUTIONARY BIOLOGY REQUIREMENTS (18 h)

BIOL 412 Evolutionary Biology (3)  BIOL 428 (formerly 550) Introduction to Systematics (3)

BIOL 413 History & Diversity of Organisms (3)  BIOL 570 Introduction to Biostatistics (3)

BIOL 414 Principles of Ecology (3)  BIOL 599 Senior Seminar: Ecology & Evolutionary Biology (1)

BIOL 415 Laboratory Methods in Ecology (2)  (must be taken Sr yr)

**ECOLOGY & EVOLUTIONARY BIOLOGY ELECTIVE AND LABORATORY REQUIREMENTS (13 h):** BIOL courses numbered 400 or higher, including  $\geq 3$  h of lab credit and  $\geq 2$  h of seminar/topics course (BIOL 419, 420, 499, 701). Courses listed above that have not been used to fulfill the above requirements may be used as electives. No more than 3 h 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 h of BIOL 424 being applied towards the laboratory requirement.

BIOL \_\_\_\_\_ ( \_\_ h)  BIOL \_\_\_\_\_ ( \_\_ lab h)

BIOL \_\_\_\_\_ ( \_\_ h)  BIOL \_\_\_\_\_ ( \_\_ lab h)

BIOL \_\_\_\_\_ ( \_\_ h)  BIOL \_\_\_\_\_ ( \_\_ seminar h)

- At least 120 h (of which 45 must be Jr/Sr h—courses numbered 300 or above) must be completed for graduation. **120 h**  **45 Jr/Sr h**
- Completing the minimum degree requirements set forth above results in **107 overall h** and **43 Jr/Sr h**. Double majors must complete  $\geq 15$  h in the major (i.e., not in General Education Requirements or General Science Requirements) that are *unique* to that major. **107 h**  **43 Jr/Sr h**