

# BIOLOGY

## BACHELOR OF ARTS

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 **118 overall hrs.** and **30 Jr/Sr hrs.**

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

### I. General College Requirements (58 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 Distribution Requirements** (see:  
[http://www2.ku.edu/~clasus/pnwc/principal\\_courses.shtml](http://www2.ku.edu/~clasus/pnwc/principal_courses.shtml))

**Humanities** (9 hrs.):  
(HT) \_\_\_\_\_, (HL) \_\_\_\_\_, (HR) \_\_\_\_\_

**Social Science** (9 hrs.):  
(SC) \_\_\_\_\_, (SI) \_\_\_\_\_, (SF) \_\_\_\_\_

**Non-Western Culture** (one course): \_\_\_\_ (see:  
[http://www2.ku.edu/~clasus/pnwc/nonwest\\_culture\\_courses.shtml](http://www2.ku.edu/~clasus/pnwc/nonwest_culture_courses.shtml))

**Foreign Language** (16-20 hrs. or proficiency):  
\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

**Principal course in Earth Sciences or Mathematical Sciences** (3 hrs.) (in addition to MATH 115 or 121) or BIOL 570 \_\_\_\_\_

### II. General Science Requirements (28-29 hrs.):

- \_\_\_\_\_ CHEM 184 Foundations of Chemistry I (5 hrs.)
- \_\_\_\_\_ CHEM 188 Foundations of Chemistry II (5 hrs.)
- \_\_\_\_\_ CHEM 622 Fund. Organic Chemistry (3 hrs.) **OR**
- \_\_\_\_\_ CHEM 624 Organic Chemistry I (3 hrs.)
- \_\_\_\_\_ CHEM 625 Organic Chemistry I lab (2 hrs.)
- \_\_\_\_\_ MATH 121 Calculus I (5 hrs.) **OR**
- \_\_\_\_\_ MATH 115 & MATH 116 Calculus I & II (6 hrs.)
- \_\_\_\_\_ PHSX 114 & PHSX 115 Col. Physics I & II (8 hrs.) **OR**
- \_\_\_\_\_ PHSX 211 & PHSX 212 General Physics I & II (8 hrs.)

### III. Biology Core Requirements (24-25 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.)
- \_\_\_\_\_ BIOL 412 Evolutionary Biology (3 hrs.)
- \_\_\_\_\_ BIOL 599 Senior Seminar in Biology (1 hr.)  
(*must be taken in senior year*)

### ONE OF THE FOLLOWING THREE COURSES (3 hrs.):

- \_\_\_\_\_ BIOL 413 History/Diversity of Organisms (3 hrs.)
- \_\_\_\_\_ BIOL 414 Principles of Ecology (3 hrs.)
- \_\_\_\_\_ BIOL 550 Intro. to Systematics (3 hrs.)

### TWO OF THE FOLLOWING FIVE COURSES (6-7 hrs.):

- \_\_\_\_\_ BIOL 400 Fundamentals/Microbiology (3 hrs.)
- \_\_\_\_\_ BIOL 408 Physiol./Organisms (3 hrs.)
- \_\_\_\_\_ BIOL 416 Cell Structure and Function (3 hrs.)
- \_\_\_\_\_ BIOL 417 Biology of Development (3 hrs.)
- \_\_\_\_\_ BIOL 600 Intro. Biochemistry (4 hrs.)

### IV. Elective and Laboratory Requirements (10 hrs.):

**BIOL courses numbered 400 or higher which include at least 4 hrs. of laboratory credit.** 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.)