

B.S. BIOLOGY

TEACHING 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)
- HIST 136/137 Perspectives on Science & Math (3) Social Science (3 h) (SC/SF/SI):
- 3 additional courses in social sciences (SC/SF/SI), humanities, (HL/HR/HT), and/or second language: _____ _____ _____

GENERAL SCIENCE REQUIREMENTS (28–30 h)

- CHEM 184/130[§] Foundations of Chemistry I (5) CHEM 625/331[§] Organic Chemistry I Lab (2)
- CHEM 188/135[§] Foundations of Chemistry II (5) MATH 121 Calculus I (5) **OR** MATH 115 & 116 Calculus I & II (6) ()
- CHEM 622/310[§] Fund Organic Chemistry (3) **OR** PHSX 114 & 115 College Physics I & II (8) **OR**
- CHEM 624/330[§] *Organic Chemistry I (3) PHSX 211 & 212 (8)/PHSX 211+216 & 212+236[^] (9) Gen. Physics I & II
- [§] CHEM course numbers change beginning Fall 2013. Refer to your Degree Progress Report (DPR) and classes.ku.edu.
- [^] PHSX course numbers change beginning Fall 2013. Refer to your Degree Progress Report (DPR) and classes.ku.edu.

GENERAL BIOLOGY REQUIREMENTS (30–31 h)

- BIOL 150/151 Prin Molecular & Cell Biol (4) BIOL 414 Principles of Ecology (3)
- BIOL 152/153 Prin Organismal Biology (4) BIOL 416/536 Cell Structure and Function (3)
- BIOL 350/360 Principles of Genetics (3) BIOL 598 Research Methods (3)
- BIOL 412 Evolutionary Biology (3) BIOL 599 Senior Seminar in Biology (1) (*must be taken Sr yr*)
- One (3 h) of the following two courses:
- BIOL 413 History and Diversity of Organisms (3) BIOL 428 (formerly 550) Introduction to Systematics (3)
- One (3 h) of the following three courses:
- BIOL 400/401 Fundamentals of Microbiology (3) BIOL 600 Introductory Biochemistry, Lectures (4)
- BIOL 408 Physiology of Organisms (3)

TEACHING BIOLOGY ELECTIVE AND LABORATORY REQUIREMENTS (7 h): BIOL courses numbered 400 or higher, including ≥ 4 h of lab credit. 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 _____ (__ lab h)

EDUCATION REQUIREMENTS (21 h)

- LA&S 290 Approaches to Teaching Science and Math I (1) LA&S 291 Approaches to Teaching Science and Math II (1)
- School of Education courses:
- C&T 360 Knowing & Learning in Math & Science (3) C&T 460 Project-based Instruction in Math & Science (3)
- C&T 366 Classroom Interactions in Math & Science (3) C&T 500 Student Teaching (6)
- C&T 448 Reading Across the Curriculum (3) C&T 598 Special Topics Seminar (1)

- 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 **119 overall h** and **53 Jr/Sr h**. Double majors must complete ≥ 15 h in the major (i.e., not in General Education Requirements or General Science Requirements) that are *unique* to that major. **119 h** **53 Jr/Sr h**