KU Undergraduate Biology Program (www.kuub.ku.edu)  

For students entering KU in/after Fall 2016

B.A. BIOLOGY

Use this check sheet with your Degree Progress Report (DPR).

KU CORE REQUIREMENTS  See https://kucore.ku.edu/fulfilling-the-core for approved KU Core courses and/or experiences.

Goal 1. Critical Thinking & Quantitative Literacy  Outcome 1  (Can be satisfied by degree reqs.)  Outcome 2  (Can be satisfied by degree reqs.)

Goal 2. Communication  Outcome 1  (2 units of Outcome 1 satisfied by “First-year Writing” BA degree req of ENGL 101/eqiv ACT/SAT/AP* and

Goal 3. Breadth of Knowledge  Arts & Humanities  Social Sciences  Natural Sciences  (Can be satisfied by degree reqs.)

Goal 4. Culture & Diversity  Outcome 1  Outcome 2

Goal 5. Social Responsibility & Ethics

Goal 6. Integration & Creativity  (Can be satisfied by degree reqs.)

Second Language Proficiency/Third-level & Additional Foreign Language Course. (☐) Demonstrate equivalent of initial 4 semesters in a language other than English OR demonstrate equivalent of initial 3 semesters of study in one language AND the equivalent of the initial semester of study in another language.

* Students who place in ENGL 102/105 by examination must complete ENGL 102/105 and another course meeting Goal 2, Learning Outcome 1 of the KU Core.

GENERAL SCIENCE REQUIREMENTS  (28–31 h)

BIOL 105  Biology Orientation Seminar (1)  CHEM 331  Organic Chemistry I Lab (2)

CHEM 130  Chemistry I (5)  MATH 115 & 116  Calculus I & II (6)  OR  MATH 125  Calculus I (4)

CHEM 135  Chemistry II (5)  PHSX 114 & 115  College Physics I & II (8)  OR

CHEM 310  Fund Organic Chemistry (3)  OR  PHSX 211+216 & 212+236  General Physics I & II (9)

CHEM 330  Organic Chemistry I (3)

GENERAL BIOLOGY REQUIREMENTS  (26–27 h)

BIOL 150/151  Prin Molecular & Cell Biol (4)  BIOL 412  Evolutionary Biology (4)

BIOL 152/153  Prin Organismal Biology (4)  BIOL 599  Senior Seminar: Biology (1)  (must be taken Sr yr)

BIOL 350/360  Principles of Genetics (4)

One (3 h) of the following three courses:

BIOL 413  History & Diversity of Organisms (3)  BIOL 428  Introduction to Systematics (3)

BIOL 414  Principles of Ecology (3)

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

BIOL 400/401  Fund Microbiology (3-4)  BIOL 501*  Physiological Adaptations of Plants to Extreme Environments (3)

BIOL 416  Cell Structure and Function (3)  BIOL 544*  Comparative Animal Physiology (3)

BIOL 417  Biology of Development (3)  BIOL 600  Introductory Biochemistry, Lectures (3)

*BIOL 501 and BIOL 544 replace BIOL 408 Physiology of Organisms.

BIOLOGY ELECTIVE AND LABORATORY REQUIREMENTS  (10 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 _______  (___ h)  ☐  BIOL _______  (___ lab h)  ☐

BIOL _______  (___ h)  ☐  BIOL _______  (___ lab h)  ☐

• Completing the minimum General Science and major requirements set forth above results in 64 overall h and 33 Jr/Sr h. Double majors must complete ≥ 15 h in the major (i.e., not in Core Reqs or General Science Reqs) that are unique to that major.

• At least 120 h (of which 45 must be Jr/Sr h)—courses numbered 300 or above—must be completed for graduation.

12/19/2017