B.A. BIOCHEMISTRY

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

To learn about requirements for admission to the major, please visit the online course catalog: http://catalog.ku.edu/201314/schools/clas/departments/biol/admission

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 ☐
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/equiv ACT/SAT/AP* and “Critical Reading & Writing” BA degree req of ENGL 102/105/AP.)
Outcome 2 ☐

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
☐

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 (32–37 h)

CHEM 170/130 Chemistry I (5) ☐
* MATH 115 & 116 Calculus I & II (6) OR ☐
CHEM 175/135 Chemistry II (5) ☐
MATH 121 & 122 Calculus I & II (10) ☐
CHEM 330 Organic Chemistry I (3) ☐
PHSX 211+216 & 212+236 Gen. Physics I & II (9) OR ☐
CHEM 331 Organic Chemistry I Lab (2) ☐
PHSX 114 & 115 College Physics I & II (8) ☐
CHEM 335 Organic Chemistry II (3) ☐

* Students who plan to attend graduate school should enroll in MATH 121 and 122.

BIOCHEMISTRY REQUIREMENTS (28 h)

BIOL 150/151 Prin Molecular & Cell Biol (4) ☐
BIOL 152/153 Prin Organismal Biology (4) ☐
BIOL 350/360 Principles of Genetics (3-4) ☐
BIOL 636 Biochemistry I (3) ☐
BIOL 637 Introductory Biochemistry Lab (2) ☐

BIOCHEMISTRY ELECTIVE REQUIREMENTS (6 h): BIOL courses numbered 400 or higher must be selected in consultation with a Biochemistry advisor. Some suggested courses are the following:

| BIOL 400/401 Fund Microbiology (3) | BIOL 416 Cell Structure & Function (3) | BIOL 424 Independent Study (variable) |
| BIOL 408 Physiology of Organisms (3) | BIOL 417 Biology of Development (3) | BIOL 646 Mammalian Physiology (4) |

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.

BIOL _______ ( __ h) ☐
BIOL _______ ( __ h) ☐
BIOL _______ ( __ h) ( ☐)

Completing the minimum General Science and major requirements set forth above results in 68 overall h and 34 Jr/Sr h. Double majors must complete ≥ 15 h in the major (i.e., not in KU 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.