

B.A. BIOCHEMISTRY

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/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 (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 (33–40 h)

BIOL 105 Biology Orientation Seminar (1)	<input type="checkbox"/>	CHEM 335/385 Organic Chemistry II (3)	<input type="checkbox"/>
CHEM 170/130/190&191 Chemistry I (5)	<input type="checkbox"/>	MATH 115 & 116 Calculus I & II (6) OR	<input type="checkbox"/> <input type="checkbox"/> (<input type="checkbox"/>)
CHEM 175/135/195&196 Chemistry II (5)	<input type="checkbox"/>	MATH 125, 126, & 127 Calculus I, II, & III (12)	
CHEM 330/380 Organic Chemistry I (3)	<input type="checkbox"/>	PHSX 114 & 115 College Physics I & II (8) OR	<input type="checkbox"/> <input type="checkbox"/>
CHEM 331 Organic Chemistry I Lab (2)	<input type="checkbox"/>	PHSX 211+216 & 212+236 General Physics I & II (9)	

BIOCHEMISTRY REQUIREMENTS (31-32 h)

BIOL 150/151 Prin Molecular & Cell Biol (4)	<input type="checkbox"/>	BIOL 637 Introductory Biochemistry Lab (2)	<input type="checkbox"/>
BIOL 152/153 Prin Organismal Biology (4)	<input type="checkbox"/>	BIOL 638 Biochemistry II (4)	<input type="checkbox"/>
BIOL 350/360 Principles of Genetics (4)	<input type="checkbox"/>	BIOL 639 Advanced Biochemistry Laboratory (3)	<input type="checkbox"/>
BIOL 416 Cell Structure & Function (3)	<input type="checkbox"/>	CHEM 510 Biological Physical Chemistry (3) OR	<input type="checkbox"/>
BIOL 636 Biochemistry I (4)	<input type="checkbox"/>	CHEM 530 Physical Chemistry I (4)	

BIOCHEMISTRY ELECTIVE REQUIREMENTS (6 h): BIOL courses numbered 400 or higher must be selected in consultation with a Biochemistry advisor. 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 **70 overall h** and **37 Jr/Sr h**. Double majors must complete \geq 15 h in the major (i.e., not in KU Core Reqs or General Science Reqs) that are *unique* to that major. **69 h 37 Jr/Sr h**
- **At least 120 h** (of which **45 must be Jr/Sr hrs**—courses numbered 300 or above) **must be completed for graduation.** **120 h 45 Jr/Sr h**
 - **At least 37 of the total 120 hours must be considered Major Hours, 12 of which must be Jr/Sr hours** **37 h 12 Jr/Sr h**