

B.A. BIOCHEMISTRY

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 (55 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
- Principal course distribution requirements (see http://clas.ku.edu/undergrad/curriculum/principal_courses):
- Humanities (9 h): Historical Studies (HT) Literature & Arts (HL) Philosophy & Religion (HR)
- Social Science (9 h): Society & Culture (SC) Individual Behavior (SI) Public Affairs (SF)
- Second Language (16–20 h or proficiency):
- Western Civilization (6 h): HWC 204/114 HWC 205/115
- Non-western Culture (NW) (3 h) (see <http://clas.ku.edu/undergrad/curriculum/non-western>):

GENERAL SCIENCE REQUIREMENTS (35–40 h)

- CHEM 184/130[§] Foundations of Chemistry I (5) CHEM 640/510[§] Biological Physical Chemistry (3)
- CHEM 188/135[§] Foundations of Chemistry II (5) *MATH 115 & 116 Calculus I & II (6) **OR**
- CHEM 624/330[§] Organic Chemistry I (3) MATH 121 & 122 Calculus I & II (10)
- CHEM 625/331[§] Organic Chemistry I Lab (2) PHSX 211 & 212 (8)/PHSX 211+216 & 212+236[^] (9) Gen. Physics I & II **OR**
- CHEM 626/335[§] Organic Chemistry II (3) PHSX 114 & 115 College Physics I & II (8)
- [§] CHEM course numbers change beginning Fall 2013. Refer to your Degree Progress Report (DPR) and classes.ku.edu.
- * Students who plan to attend graduate school should enroll in MATH 121 and 122.
- [^] PHSX course numbers change beginning Fall 2013. Refer to your Degree Progress Report (DPR) and classes.ku.edu.

BIOCHEMISTRY REQUIREMENTS (25 h)

- BIOL 150/151 Prin Molecular & Cell Biol (4) BIOL 638 Biochemistry II (3)
- BIOL 152/153 Prin Organismal Biology (4) BIOL 639 Advanced Biochemistry Laboratory (2)
- BIOL 350/360 Principles of Genetics (3) BIOL 672 Gene Expression (3)
- BIOL 636 Biochemistry I (3) BIOL 599 Senior Seminar: Biochemistry (1) (must be taken Sr yr)
- 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) ()

- 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 **121 overall h** and **34 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. **121 h** **34 Jr/Sr h**