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 *(32–37 h)*

CHEM 184/130/170§ Chemistry I (5)	☐	*MATH 115 & 116 Calculus I & II (6) ***OR***	☐ ☐
CHEM 188/135/175§ Chemistry II (5)	☐	MATH 121 & 122 Calculus I & II (10)	
CHEM 624/330§ Organic Chemistry I (3)	☐	PHSX 211 & 212 (8)/PHSX 211+216 & 212+236^ (9) Gen. Physics I & II ***OR***	☐ ☐
CHEM 625/331§ Organic Chemistry I Lab (2)	☐	PHSX 114 & 115 College Physics I & II (8)	
CHEM 626/335§ Organic Chemistry II (3)	☐		

§ 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 *(28 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)	☐	CHEM 640/510§ Biological Physical Chemistry (3)	☐

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 ☐**