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 186/135/175 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.

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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 □

6/4/2013