

B.A. HUMAN BIOLOGY

BIOLOGY

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 (min 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 Sciences (9 h): Society & Culture (SC) Public Affairs (SF) Individual Behavior (SI)*

*PSYC 104 recommended for SI course.

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>):

(Math and Natural Science requirements are usually met by fulfilling the Human Biology requirements; refer to your DPR.)

GENERAL SCIENCE REQUIREMENTS (min 33 h)

ANTH 304 Fund Physical Anthropology (3–4) CHEM 184/130[§] Foundations of Chemistry I (5)

BIOL 150/151 Prin Molecular & Cell Biol (4) CHEM 188/135[§] Foundations of Chemistry II (5)

BIOL 152/153 Prin Organismal Biology (4) PHSX 114 College Physics I (4) **OR** PHSX 211 (4)/PHSX 211+216[^] (5) Gen Physics I

MATH 115 & 116 Calculus I & II (6) **OR** () BIOL 570 Intro Biostatistics (3)* **OR** PSYC 210 Statistics Psychol Research (3)

MATH 121 Calculus I (5) **OR** MATH 365 Elementary Statistics (3)

*BIOL 570 is recommended for the Biology concentration.

[§] CHEM course numbers change beginning Fall 2013. Refer to your Degree Progress Report (DPR) and classes.ku.edu.

[^] PHSX course numbers change beginning Fall 2013. Refer to your Degree Progress Report (DPR) and classes.ku.edu.

BIOLOGY CONCENTRATION REQUIREMENTS (min 31 h)

CHEM 622/310[§] Fund Organic Chem (3) **OR** PHSX 115 Col Physics I (4) **OR** PHSX 212 (4)/PHSX 212+236[^] (5) Gen Physics II

CHEM 624/330[§] Organic Chem I (3) BIOL 350/360 Principles of Genetics (3)

CHEM 625/331[§] Organic Chem I Lab (2) BIOL 599 Senior Seminar: Human Biology (1) (must be taken Sr yr)

[§] CHEM course numbers change beginning Fall 2013. Refer to your Degree Progress Report (DPR) and classes.ku.edu.

[^] PHSX course numbers change beginning Fall 2013. Refer to your Degree Progress Report (DPR) and classes.ku.edu.

Complete 2 of 4 categories below. Course selections must include ≥ 3 h of lab credit, 400-level or above: _____ (___lab h) _____ (___lab h)

- Development and Genetics Category (9 h):

BIOL 417 Biology of Development (3) **AND**

() **6 h selected from the following:** ABSC/PSYC 535 Developmental Psychopathology (3); ANTH 762 Human Growth & Development (3); BIOL 405 Lab in Genetics (2); BIOL 416/536 Cell Structure & Function (3); BIOL 595 Human Genetics (3); BIOL 655 Behavioral Genetics (3); BIOL 688 Molecular Biology of Cancer (3); PSYC 333 Child Development (3); PSYC 430 Cognitive Psych (3); PSYC 531 Language Development (3); SPLH 566 Language Development (3)

- Anatomy and Physiology Category (10 h):

BIOL 646 Mammalian Physiology (4) **AND**

() **6 h selected from the following:** ANTH 542 Biology Human Nutrition (4); ANTH 648 Human Osteology (4); BIOL 435 Introd Neurobiology (3); BIOL 440 Advanced Human Anatomy (lect & lab) (6); BIOL 600 Introd Biochemistry (4); BIOL 637 Introd Biochemistry Lab (2); BIOL 647 Mammalian Physiology Lab (2); HSES 672 Exercise Physiology (3); PSYC 370 Brain & Behavior (3); PSYC 380 Brain & Pathology (3); PSYC 475 Cognitive Neuroscience (3)

- Evolution, Ecology, and Adaptation Category (9 h):

BIOL 412 Evolutionary Biology (3) **AND**

6 h selected from the following: ANTH 340 Human Variation & Evolution (3); ANTH 341 Human Evolution (3); ANTH 350 Human Adaptation (3); ANTH 652 Population Dynamics (3); BIOL 410 Human Biogeography, Honors (3); BIOL 414 Prin Ecology (3); BIOL 668 Evolutionary Ecology (3); PSYC 555 Evolutionary Psychology (3)

- Human Disease Category (9 h):

BIOL 400/401 Fundamentals of Microbiology (3) **AND**

() **6 h selected from the following:** BIOL 402 Microbiology Lab (2); ANTH 450 Adaptation and Disease (3); BIOL 503 Immunology (3); BIOL 504 Immunology Lab (2); BIOL 506 Pathogenic Microbiology (3); BIOL 507 Pathogenic Microbiology Lab (2); BIOL 512 General Virology (3); BIOL 513 Virology Lab (2); BIOL 518 Microbial Genetics (3); BIOL 519 Microbial Genetics Lab (2); BIOL 595 Human Genetics (3); BIOL 616 Medical Entomology (3); BIOL 688 Molecular Biology of Cancer (3)

• **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 **120 overall h** and **30 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. **120 h** **30 Jr/Sr h**