B.A. HUMAN BIOLOGY

BIOLOGY

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.* PSYC 104 *recommended.*

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 *(min **33 h**)*

BIOL 105 Biology Orientation Seminar (1)	☐	CHEM 130 Chemistry I (5)	☐
ANTH 304 Fund Physical Anthropology (3–4)*	☐	CHEM 135 Chemistry II (5)	☐
BIOL 150/151 Prin Molecular & Cell Biol (4)	☐	PHSX 114 College Physics I (4) ***OR*** PHSX 211+216 General Physics I (5)	☐
BIOL 152/153 Prin Organismal Biology (4)	☐	BIOL 570 Intro Biostatistics (3–4)** ***OR*** PSYC 210 Statistics Psychol Research (3) ***OR*** MATH 365 Elementary Statistics (3)	☐
MATH 115 & 116 Calculus I & II (6) ***OR*** MATH 125 Calc I (4)	☐ (☐)		

* *Online only as of Spring 2017 for 3 h. Ask a human biology advisor for possible substitutes.*

** BIOL 570 is recommended for the Biology concentration. BIOL 570 increased to 4 h beginning Fall 2017.*

BIOLOGY CONCENTRATION REQUIREMENTS *(min **32 h**)*

CHEM 310 Fund Organic Chem (3) ***OR***	☐	PHSX 115 Col Physics I (4) ***OR*** PHSX 212+236 General Physics II (4)	☐
CHEM 330 Organic Chem I (3)		BIOL 350/360 Principles of Genetics (4)	☐
CHEM 331 Organic Chem I Lab (2)	☐	BIOL 599 Senior Seminar: Human Biology (1) (*must be taken Sr yr*)	☐

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 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 Development (3); PSYC 531 Language Development (3); SPLH 566 Language Development (3)

- Anatomy and Physiology Category (10 h):

☐ BIOL 546 Mammalian Physiology (3) (formerly BIOL 646 for 4 h) ***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 (3); BIOL 637 Introd Biochemistry Lab (2); BIOL 647 or BIOL 547 Mammalian Physiology Lab (2); PSYC 370 Behavioral Neuroscience (3); PSYC 375 or PSYC 475 Cognitive Neuroscience (3); PSYC 380 Clinical Neuroscience (3)

- Evolution, Ecology, and Adaptation Category (10 h):

☐ BIOL 412 Evolutionary Biology (4) ***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 (3-4) ***AND***

☐ ☐(☐) ***6 h*** *selected from the following:* BIOL 402 Microbiology Lab (2); ANTH 555 Evolution of Human Diseases (3); BIOL 503 Immunology (3); BIOL 504 Immunology Lab (2); BIOL 506 Bacterial Infectious Diseases (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)

- **Completing the minimum General Science and major requirements** set forth above results in **65 overall h** and **31 Jr/Sr h.** Double majors must complete ≥ 15 h in the major (i.e., not in Core Reqs or General Science Reqs) that are *unique* to that major. **65 h** ☐ **31 Jr/Sr 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** ☐