B.A. HUMAN BIOLOGY

SPEECH-LANGUAGE-HEARING

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Use this check sheet with your 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.

- 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)

- BOL 105 Biology Orientation Seminar (1)
- ANTH 304 Fund Physical Anthropology (3–4)
- BIOL 150/151 Prin Molecular & Cell Biol (4)
- BIOL 152/153 Prin Organismal Biology (4)
- CHEM 130 Chemistry I (5)
- CHEM 135 Chemistry II (5)
- PHSX 114 College Physics I (4) OR PHSX 211+216 General Physics I (5)
- BIOL 570 Intro Biostatistics (3) OR PSYC 210 Statistics Psychol Research
- MATH 115 & 116 Calculus I & II (6) OR MATH 121 Calc I (5) OR MATH 125 Calc I (4)

SPEECH-LANGUAGE-HEARING CONCENTRATION REQUIREMENTS (min 30 h)

- SPLH 120 Physics of Speech (4) OR PHSX 115 Col Physics II (4)
- BIOL 350/360 Principles of Genetics (4)
- SPLH 660 Research Methods Human Communication (3)
- BIOL 399 Senior Seminar: Human Biology (1) (must be taken Sr yr)

Complete 2 of the 4 categories below:

- Development & Genetics Category (9 h):
  - ☐ ☐ ☐ 6 h selected from the following: 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); PSYC 333 Child Development (3); PSYC 430 Cognitive Development (3); SPLH 464/764 Undergraduate Seminar in: Infant Development (2); SPLH 466 Language Science (3); SPLH 566 Language Development (3)

- Anatomy & Physiology Category (10 h):
  - ☐ ☐ 6 h selected from the following: BIOL 440 Advanced Human Anatomy (lect & lab) (6); BIOL 647 Mammalian Physiology Lab (2); SPLH 462 or 662 Principles of Speech Science (3); SPLH 463 or 663 Principles of Hearing Science (3)

- Neuroscience Category (9 h):
  - ☐ ☐ 6 h selected from the following: BIOL 435 Intro Neurobiology (3); PSYC 370 Behavioral Neuroscience (3); PSYC 375 or 475 Cognitive Neuroscience (3); PSYC 380 Clinical Neuroscience (3); SPLH 320 Communicating Brain: Ulitmt Prsln Computer (3); SPLH 464 Undergrad Seminar: Neural Bases of Speech & Voice (2); SPLH 464 Undergrad Seminar: Speech Motor Control

- Research Practicum (9 h)*:
  - ☐ ☐ ☐ 9 h selected from the following: SPLH 464 Undergrad Seminar: Circuit Theory & Bioinstrumentation; SPLH 449 Lab/Field Work in Human Biology (Topics: orofacial neurophysiology; deep brain stimulation in progressive neuromotor disease; perceptual neuroscience and functional brain imaging; neuroscience of the premature human infant; brain-behavior mapping of language); SPLH 499 Directed Study in SPLH

- Completing the minimum General Science and major requirements set forth above results in 63 overall h and 29 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.
- At least 120 h (of which 45 must be Jr/Sr h)—courses numbered 300 or above must be completed for graduation.

SPLH courses are recommended for the Speech-Language-Hearing concentration for fulfilling the requirements in each area.

* Research practicum courses must be arranged with the course instructor prior to enrollment.