B.A. HUMAN BIOLOGY

SPEECH-LANGUAGE-HEARING

☐ 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://www.collegesas.ku.edu/pnwc/principal_courses.shtml):

| 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)* ☐ |

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://www.collegesas.ku.edu/pnwc/nonwest_culture_courses.shtml): ☐

(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) ☐ |
| BIOC 150/151 Prin Molecular & Cell Biology (4) ☐ | CHEM 188/135* Foundations of Chemistry II (5) ☐ |
| BIOC 152/153 Prin of Organismal Biology (4) ☐ | PSX 114 Col Physics I (4) OR PSX 211 (4)/ PSX 211+216^ (5) Gen Physics I ☐ |
| MATH 115 & 116 Calculus I & II (6) OR ☐ | BIOL 570 Intro to Biostatistics (3) OR PSYC 210 Statistics Psychol Research (3) OR MATH 365 Elementary Statistics (3) ☐ |
| MATH 121 Calculus I (5) ☐ |

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

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

SPEECH-LANGUAGE-HEARING CONCENTRATION REQUIREMENTS (min 29 h)

| SPLH 120 Physics of Speech (4) OR PSX 115 Col Physics II (4) ☐ | BIOL 350/360 Principles of Genetics (3) ☐ |
| SPLH 660 Research Methods Human Communication (3) ☐ | BIOL 599 Senior Seminar: Human Biology (1) (must be taken Sr yr) ☐ |

Complete 2 of the 4 categories below:

- Development & Genetics Category (9 h):
  ☐ BIOL 417 Biology of Development (3) AND
  ☐ ☐ (☐) 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):
  ☐ BIOL 646 Mammalian Physiology (4) AND
  ☐ ☐ 6 h selected from the following: BIOL 440 Advanced Human Anatomy (lect & lab) (6); BIOL 647 Mammalian Physiology Lab (2); SPLH 662 Principles of Speech Science (3); SPLH 663 Principles of Hearing Science (3); HSES 672 Exercise Physiology (3)

- Neuroscience Category (9 h):
  ☐ BIOL 408 Physiology of Organisms (3) AND
  ☐ ☐ (☐) 6 h selected from the following: BIOL 435 Intro Neurobiology (3); PSYC 370 Brain & Behavior (3); PSYC 380 Brain & Pathology (3); PSYC 475 Cognitive Neuroscience (3); SPLH 320 Neuroscience of Human Communication (2); SPLH 464 Undergrad Seminar: Neural Bases of Speech & Voice (2); SPLH 466 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

• 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 118 overall h and 28 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. 118 h ☐ 28 Jr/Sr h ☐

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.

5/23/2013