University of Indianapolis – Shaheen College of Arts & Sciences
2020-2021 Curriculum Guide for Human Biology Majors (HBIO)
Bachelor of Arts or Science

HBIO

Freshman Year

Semester I
- BIOL 155 Introduction to the Diversity of Life (4)**
- CHEM 150 General Chemistry I** (3) and CHEM 151 General Chemistry I Lab** (1)

Semester II
- BIOL 165 Introduction to Cell Biology (4)**
- CHEM 160 General Chemistry II** (3) and CHEM 161 General Chemistry II Lab** (1)

Sophomore Year
- ANTH 100 Cultural Anthropology (3)*
- BIOL 225 Introduction to Genetics (4)**
- MATH 220 Elementary Statistics (4)* or
- MATH 245 Statistics for the Sciences (4)* (preferred)
- Core Area Course (see below)
- Core Area Course (see below)

Junior and Senior Years
- PHYS 150 General Physics I (4)* or
- PHYS 153 General Physics I, Calculus Based (4)*
- PHYS 160 General Physics II (4)* or
- PHYS 163 General Physics II, Calculus Based (4)*
- Core Area Course (see reverse)
- Core Area Course (see reverse)
- Elective (see reverse)
- Elective (see reverse)
- Elective (see reverse)

Biology Capstone Option 1†
- BIOL 490 Independent Research Project or approved research course (e.g., HON490) [min. 2 hours; add’l hours may be applied to biology elective hours] and
- BIOL 496 Capstone: Research Experience (1)

Biology Capstone Option 2†
- BIOL 495 Capstone: Integrative Biology (3)

†BIOL495 and BIOL496 should only be taken by students with senior standing in completed coursework.
Students attending graduate programs in their 4th year may enroll in their 3rd year, second semester.

(A) Anatomy & Physiology Core Area (pick at least 2 courses):
- BIOL 240 Vertebrate Anatomy (4)**†
- BIOL 305 Human Functional Anatomy (4)**†
- BIOL 310 Vertebrate Histology (4)**†
- BIOL 330 Mammalian Physiology (4)**† OR BIOL 331 Animal Physiology (4)**†
- BIOL 450 Human Osteology (4)**†

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(B) Human Variation & Evolution Core Area (pick at least 2 courses):
- BIOL 210 Human Biological Variation (3)**
- BIOL 280 Evolutionary Biology (4)** †
- BIOL 345 Human Evolution (3)**
- BIOL 411 Evolutionary Medicine (3)**

(C) Electives: in consultation with your advisor, take at least 11 hours of additional courses from (A) or (B) above or from the following list. These may include not more than 6 hours of non-BIOL courses.
- BIOL 220 General Microbiology (4)**†
- BIOL 245 Ornithology**†
- BIOL 265 Ecology (4)**†
- BIOL 370 Immunology (3)**
- BIOL 290 Seminar in Current Topics (1) **
- BIOL 325 Advanced Genetics (4)**†
- BIOL 390 Molecular Biology (4)**†
- BIOL 425 Dental Science (3)**†
- BIOL 435 Forensic & Historic DNA Analysis (3)**†
- BIOL 460 Topics in Biology (1-4)** (as applicable to human biology; may count as †)
- BIOL 490 Independent Research Project (1-4)** (as applicable to human biology; may count as †)
- ANTH 201 Science, Technology, and Bioethics (3)*
- ANTH 211 Anthropology of Health (3)*
- ANTH 335 Global Health (3)*
- ANTH 420 The Encultured Body (3)*
- ANTH 430 Topics in Anthropology (1-4)* {as applicable to human biology; may count as †}

(D) At least 4 courses from (A), (B), and (C) above must include a laboratory; acceptable lab courses are indicated with a †.

Biology Electives must be 210 level or greater.

* Requires a grade of C- or above
**Requires a grade of C or above

The Human Biology major requires a minimum of 63 hours.

The Bachelor of Science and the Bachelor of Arts Degrees require a minimum of 120 hours. See the General Education Core Guide for additional course requirements.

Note regarding early admission to professional programs: Human Biology majors planning to apply to a professional program (e.g., medical, dental, optometry, veterinary, physical therapy, or occupational therapy) may be eligible for admission to such a program after their junior year if (1) all liberal arts core requirements are met, and (2) a minimum of 90 undergraduate semester hours are completed, and (3) all major courses (including all Core Area courses) except 8 hours of electives have been satisfied.

A student may complete more than one major as long as each major has at least 24 discrete hours. Please see the Academic Catalog for additional details.

Remember: If you have any questions about the Human Biology Major and its requirements, contact the Chair of the Biology Department (317-788-2400), or the Center for Advising and Student Achievement in Schwitzer Center, Room 206 (788-2057). Courses and requirements sometimes change, so keep in touch with your advisor.