

Hunter College

Undergraduate Catalog 2020-2021 - Phase II

Human Biology - BA

Human Biology is a multidisciplinary major that provides students with a curriculum that emphasizes the analysis of humanity in a holistic framework that includes behavioral, cultural, social, and biological approaches. This major will guide students towards an integrated view of humans and our biology through a wide array of courses from departments including Anthropology, Biological Sciences, Psychology, Sociology, and Urban Public Health. The Human Biology major curriculum is built on a core foundation of courses in biology, anthropology, and statistics. Students will then choose one of the following three specialized tracks: Track I. Body, Mind, and Health, which emphasizes biological knowledge within the context of human biology, with coursework that addresses how social factors have an impact on humans and human health; Track II. Human Evolution and Variation, which emphasizes humans as an evolved species that is part of the natural world, with coursework focusing on physical anthropology; and Track III. Human Organizations, which emphasizes social phenomena, with coursework from multiple social science disciplines. Finally, students will complete a capstone course in human biology ([HMBIO 40100](#)), where they will analyze some of the key contemporary topics and issues in human biology from multiple vantage points. The knowledge and skills obtained by Human Biology majors will prepare students well for a range of future careers and educational paths, including graduate school in the sciences or social sciences; medical, public health, and allied health graduate training (possibly requiring additional course work); and careers in natural or social sciences research or related fields.

Hunter Core Requirement

Several courses within this major may fulfill parts of the Hunter Core Requirement (CUNY Common Core Requirement [CCCR], Concurrent Requirements). When selecting courses, it may be to a student's advantage to choose courses that count toward the Hunter Core Requirement and also advance the student on the path to the major. Details on the Hunter Core Requirement can be found here: [General Education - Effective Fall 2019](#).

Course	CUNY Common Core Requirement
ANTHC 10100	Individual and Society (SS)
ANTHC 12600	World Culture and Global Issues
ANTHC 12700	Scientific World
ANTHP 10100 (STEM)	Scientific World and Life and Physical Sciences
ANTHP 10500	Life and Physical Sciences
BIOL 10000 (STEM)	Scientific World and Life and Physical Sciences
BIOL 10200 (STEM)	Scientific World and Life and Physical Sciences
BIOL 12500 (STEM)	Scientific World and Life and Physical Sciences
BIOL 15000 (STEM)	Scientific World and Life and Physical Sciences

CHEM 10200.(STEM)	Scientific World and Life and Physical Sciences
CHEM 12000.(STEM)	Scientific World and Life and Physical Sciences
CHEM 12100.(STEM)	Scientific World and Life and Physical Sciences
MATH 12500.(STEM)	Math/ Quantitative Reasoning
SOC 10100	Individual and Society (SS)
STAT 11300	Math/ Quantitative Reasoning
STAT 21300.(STEM)	Math/ Quantitative Reasoning

Please note that no more than two courses from any one department will count for the CUNY Common Core Requirement.

Courses Required for the Major (36-47 credits)

Students will be required to have C- or Credit grades or better in the Core Sequence to continue in the major. Transfer students will be required to take [ANTHP 10500](#) and receive a C or better to continue in the major. Students may place out of [MATH 10100](#), [MATH 10150](#), [MATH 101EN](#), [MATH 14000](#), [MATH 12500.\(STEM\)](#), [MATH 12550.\(STEM\)](#), [MATH 15000.\(STEM\)](#) and [MATH 15500.\(STEM\)](#) requirements. See the Department of [Mathematics and Statistics](#) for details. Students with appropriate background may be exempted from some Chemistry or Biology introductory courses. See [Human Biology Advising](#) for proper placement.

A. Core Requirements (19-27.5 credits)

1. Introductory Course in the Major (3 credits)

- [ANTHP 10500 - The Human Species](#)

2. Required Math Courses (0-8 credits)

- [MATH 10100 - Algebra for College Students](#) -or- [MATH 101EN Algebra for College Students - Enhanced](#)
- [MATH 10150 - Mastery of Symbolic Computation](#)
- [MATH 12400.\(STEM\) - College Algebra and Trigonometry](#) -or- [MATH 12500.\(STEM\) Precalculus](#) -or- [MATH 12550.\(STEM\) Precalculus with Workshop](#)

3. Choose One Biology Sequence (9-13.5 credits)

Note: Students who transfer in BIOL 10000 (STEM) or BIOL 12000 are not required to complete CHEM 10200 (STEM), CHEM 12000 (STEM) or CHEM 12100 (STEM)

a) Option 1

- [BIOL 10000.\(STEM\) - Principles of Biology I](#)
- [BIOL 10200.\(STEM\) - Principles of Biology II](#)

- [CHEM 10200 \(STEM\) - General Chemistry I](#) *

b) Option 2

- [BIOL 12000 - Anatomy and Physiology I](#)
- [BIOL 12200 - Anatomy and Physiology II](#)
- [CHEM 12000 \(STEM\) - Essentials of Organic Chemistry Lecture](#) *
- [CHEM 12100 \(STEM\) - Essentials of Organic Chemistry Laboratory](#) *

4. Choose One Statistics course

- [STAT 11300 - Elementary Probability and Statistics](#) -or- [STAT 21300 \(STEM\) Introduction to Applied Statistics](#) *

* Note: These courses may be counted for credit in more than one program.

B. One of the Following Three Tracks

Choose ONE of the following THREE Tracks and complete 18 credits of coursework within that track (9 of the 18 credits must be at the 300+ level. The 18 credits must come from more than one department)

Track I: Body, Mind, & Health

- [ANTHP 30200 - Human Genetics](#)
- [ANTHP 30500 - Evolution of the Human Skeleton](#)
- [ANTHP 30600 - Human Anatomy](#)
- [BIOL 12500 \(STEM\) - Human Biology](#)
- [BIOL 15000 \(STEM\) - CSI: HUNTER \(Forensic Biology\)](#)
- [BIOL 22000 - Topics in Genetics and Evolution](#)
- [BIOL 25000 - Current Topics in the Biosciences \(W\)](#)
- [BIOL 30400 - Environmental Microbiology](#)
- [BIOL 37600 - Endocrinology](#)
- [PH 30300 - Social Structure and Health \(W\)](#)
- [PH 30600 - Social Disparities in Health](#)
- [PH 32800 - Public Health Biology](#)
- [PH 33000 - Principles of Epidemiology](#)
- [PH 40500 - Health Care Systems and Health Policy](#)
- [NFS 13100 - Food Science I](#)
- [NFS 14100 - Nutrition](#)
- [NFS 33200 - Cultural Aspects of Food and Nutrition](#)
- [NFS 34200 - Nutrition and Human Development](#)

- [NFS 44100 - Community Nutrition](#)
- [PHILO 25400 - Ethical Issues in Biology and Medical Care \(W\)](#)
- [PSYCH 10000 - Introduction to Psychology](#)
- [PSYCH 15000 - Human Development](#)
- [PSYCH 17000 - Psychology of Human Sexuality](#)
- [PSYCH 18000 - Brain and Behavior](#)
- [PSYCH 21000 - Child Development](#)
- [PSYCH 22300 - Abnormal Psychology](#)
- [PSYCH 22400 - Neuroscience](#)
- [PSYCH 23500 - The Psychology of Women](#)
- [PSYCH 24200 - Health Psychology](#)
- [SOC 30100 - Medical Sociology](#)
- [WGSP 25100 - Women and Health](#)

Track II: Human Evolution and Variation

- [ANTHP 10100 \(STEM\) - Human Evolution](#)
- [ANTHP 10200 \(STEM\) - Human Variation](#)
- [ANTHP 21000 - Biology of the Living Primates](#)
- [ANTHP 30100 - Human Fossil Record](#)
- [ANTHP 30200 - Human Genetics](#)
- [ANTHP 30500 - Evolution of the Human Skeleton](#)
- [ANTHP 30600 - Human Anatomy](#)
- [ANTHP 31000 - Primate Ecology and Behavior](#)
- [ANTHP 31100 - Primate Evolution](#)
- [ANTHP 31200 - Primate Evolutionary Genetics](#)
- [ANTHP 31600 - Human Evolutionary Adaptations](#)
- [ANTHP 31800 - Primate Nutritional Ecology](#)
- [BIOL 12500 \(STEM\) - Human Biology](#)
- [BIOL 22000 - Topics in Genetics and Evolution](#)
- [PSYCH 15000 - Human Development](#)
- [PSYCH 16000 - Evolution and Behavior](#)
- [PSYCH 17000 - Psychology of Human Sexuality](#)
- [PSYCH 22500 - Ethology: Animal Behavior](#)
- [PSYCH 23500 - The Psychology of Women](#)

Track III: Human Organizations

- [ANTHC 10100 - Introduction to Cultural Anthropology.](#)
- [ANTHC 12600 - Introduction to Prehistoric Archaeology.](#)
- [ANTHC 12700 - Methods In Archaeological Science](#)
- [ANTHC 23200 - Archaeology of South America and the Caribbean](#)
- [ANTHC 30100 - Gender in Anthropological Perspective](#)
- [ANTHC 30800 - Human Ecology.](#)
- [ANTHC 30900 - Countryside and City: Comparative Perspectives](#)
- [ANTHC 31200 - Anthropological Approaches to Sexuality.](#)
- [ANTHC 31500 - Applied Anthropology.](#)
- [ANTHC 32700 - Prehistoric Cultural Ecology.](#)
- [GEOG 24100 - Population Geography \(W\).](#)
- [PSYCH 10000 - Introduction to Psychology.](#)
- [PSYCH 17000 - Psychology of Human Sexuality.](#)
- [PSYCH 19000 - Development of Gender Roles](#)
- [PSYCH 23000 - Social Psychology.](#)
- [PSYCH 23500 - The Psychology of Women](#)
- [SOC 10100 - Introduction to Sociology.](#)
- [SOC 20100 - The Family.](#)
- [SOC 21700 - Race and Ethnicity.](#)
- [SOC 25100 - Interpersonal Behavior](#)
- [SOC 25700 - Sex and Gender Roles](#)
- [SOC 30100 - Medical Sociology.](#)
- [SOC 30700 - Migration](#)
- [SOC 31100 - Population Dynamics](#)
- [SOC 31700 - Class, Status, and Power](#)
- [SOC 36100 - Development and Globalization \(W\).](#)

C. Human Biology Senior Capstone

- [HMBIO 40100 Human Biology Senior Capstone](#)

Optional Courses

- Independent Study (HMBIO402*) (1-3 Credits)
- Internship (HMBIO 403*) (1-3 Credits)

*(These do not count towards the credits listed above.)

Honors Requirements

Complete Independent Study (HMBIO402*) (3 Credits) or Internship (HMBIO 403*) (3 Credits) AND Overall GPA 3.0 or higher AND Human Biology Major GPA 3.5 or higher.

Degree Maps for Human Biology

[Degree Map for Human Biology BA \(Biology Sequence Option 1: Principles of Biology and General Chemistry\)](#)

[Degree Map for Human Biology BA \(Biology Sequence Option 2: Anatomy & Physiology, and Essentials of Organic Chemistry\)](#)
