

BACHELOR OF SCIENCE IN HUMAN BIOLOGY



Cleveland University
KANSAS CITY

Chiropractic and Health Sciences

SIGNIFICANT POINTS

- ◇ While learning about “biology” encompasses processes, systems, and changes among all living organisms, a human biology degree is an interdisciplinary study devoted to the complexity of being human.
- ◇ The goal of this degree is to understand the interconnected aspects of the human body’s process and development. This degree encompasses a wide array of aspects in human biology, including the physics and chemistry of cells, the dynamic features of body systems, and the interaction of the body with the environment around it.
- ◇ The CUKC human biology degree offers deep exploration of biological topics, which makes it excellent preparation for exams such as the MCAT (the medical school entrance exam) and for entry into other health science schools.

ADVANTAGE: THE HUMAN BIOLOGY DEGREE

Human biology is the right choice for understanding the interconnected systems and processes of the human body.

It’s a highly specialized biology major focusing on foundational life science courses. Equally important, it connects this knowledge with biological sub-disciplines: anatomy, physiology, genetics, microbiology, nutrition, ecology, evolution, and anthropology.

THE CUKC B.S. IN HUMAN BIOLOGY

The Bachelor of Science in Human Biology is a program of study consisting of a core curriculum and electives totaling 124 credit hours. Students are required to complete a minimum of 36 semester credit hours and BIOL 495 Advanced Topics in Human Biology at Cleveland University-Kansas City (CUKC).

In addition to studying various areas of biology, students are provided with opportunities to learn how to engage in research, develop and implement a research project, and interpret findings within the discipline of human biology.

Students who complete the CUKC B.S. in Human Biology program will have the background required for various careers in the health science/life science professions.

DEGREE HIGHLIGHTS

- Accelerated program to obtain a B.S. in Human Biology in less than three years.
- Curriculum is mapped to the MCAT (Medical College Admission Test) plus offering additional extracurricular MCAT prep sessions.
- Faculty have backgrounds in bio-industry and medical fields
- Affiliated with BioKansas and BioNexus, the Kansas City area’s two major bio-related organizations, which provide networking opportunities and extracurricular lessons in health sciences.

CAREER OUTLOOK

Thanks to the top-down, wide-scope outlook of a human biology degree, you’ll be better prepared for opportunities in graduate school. That would include:

- Medical school (M.D.)
- Chiropractic college (D.C.) (non-pharmaceutical approach to care)
- Osteopathy (D.O.)
- Optometry (O.D.)
- Ophthalmology (M.D. specializing in eyes)
- Physician Assistant (P.A.)
- Public Health
- Nursing, pharmaceutical industry, and physical or occupational therapy.

Today’s healthcare sector is projected to grow 13% from 2021 to 2031, much faster than the average for all occupations, adding about two million new jobs. Occupational avenues to explore are biotechnology, becoming a medical laboratory technician, biomedical product developer, clinical specialist for private medical companies, or biological laboratory technologist.

The global biotechnology market is projected to grow 13.9% from 2022 to 2030.



Students completing the CUKC Human Biology degree will have the knowledge to succeed in many health science professions.

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STUDENT LEARNING OUTCOMES

Students completing CUKC's human biology program should be able to:

- Correlate information from various disciplines to biological phenomena.
- Effectively communicate topics in human biology through writing, oral presentation and audio/visuals.
- Critically analyze literature, interpret experimental data, and logically evaluate scientific arguments regarding human biology.
- Value the significance of diversity and defend its importance within scientific environments.
- Synthesize a variety of biological content and recognize coherence within biological sub-disciplines.

CURRICULUM OVERVIEW

The initial coursework emphasis is on general education classes that prepare our students for more advanced topics. There are 34 credit hours of general education classes.

Following those are classes and labs focusing on physical sciences, life sciences, and mathematics to build a foundation, such as:

- Principles of biology
- Physics
- Algebra and Statistics
- Anatomy and physiology
- General and organic chemistry with lab components
- Medicinal chemistry

Finally, students finish the B.S. degree with upper-division classes that cover a range of other related topics, including:

- Embryology
- Histology
- Cell physiology
- Research
- Immunobiology
- Biochemistry
- Nutrition

ADMISSION REQUIREMENTS

Admission to Cleveland University-Kansas City requires:

- Submitting an official high school transcript showing a graduation date, GED credential certification, or verification from an accredited appropriate home school agency.
- Current high school students may submit a transcript during the first term of junior year. A final official transcript must be submitted after graduation but prior to starting at CUKC.

Applicants with 24 college credits do not have to submit ACT/ SAT scores or a high school transcript but must submit official post-secondary transcript(s) reflecting successful completion of at least 24 college units.

Students who do not meet the automatic admission requirements will be reviewed individually for possible admission on a trial basis. Applicants may be required to participate in a final interview.

CAMPUS VISITS AND TOURS

Campus tours and visits are an excellent way to get to know the CUKC program, faculty, and campus environment. Call or email CUKC Admissions to schedule a tour.

SOURCES OF INFORMATION

(Accessed September 2022)

<https://www.bls.gov/oes/current/oes292010.htm>

<https://www.bls.gov/ooh/healthcare/clinical-laboratory-technologists-and-technicians.htm#tab-6>

<https://www.usnews.com/education/best-colleges/human-biology-major-overview>

<https://www.grandviewresearch.com/industry-analysis/biotechnology-market#:~:text=The%20global%20biotechnology%20market%20size,13.9%25%20from%202022%20to%202030.>

<https://www.bls.gov/ooh/healthcare/home.htm>

QUESTIONS? Talk to an Admissions Advisor at 800.467.2252 or admissions@cleveland.edu.