

HUMAN BIOLOGY

BACHELOR OF SCIENCE "3+2"-YEAR MPAS ACCELERATED CURRICULUM

For more info see KC.edu/humanbio or contact the Department of Human Biology at (937) 395-5658



About the Profession

A physician assistant (PA) is a mid-level practitioner who acts as an extension of the physician in making diagnoses and treating patients on a basic level, so that the physician has more time to take care of the more seriously ill patients. The choice to pursue a PA career depends on what level of responsibility a person wants and what kind of interaction he or she wants with a patient. The PA and physician practice together as a team based on mutual respect. PAs represent the physician by treating patients in the manner directed by the supervising physician.

KC.EDU (800) 433.5262



About the Degree

The Bachelor of Science with a major in human biology is a versatile degree that prepares the student for graduate or professional studies in any field that works with the human organism. While the natural sciences are emphasized, students receive a thorough background in social sciences, cultural studies, and the humanities. In addition, graduates in human biology have an understanding of health care disciplines and the qualifications they demand.

Highly qualified Kettering College students enrolled in the human biology major (minimum 3.70 cumulative GPA and minimum 3.70 science GPA) who express a desire to accelerate their studies and meet admission requirements for the Master of Physician Assistant Studies (MPAS) degree are eligible to apply to the "3+2" year MPAS accelerated program of study. This program of study is designed for students who begin human biology courses as freshmen at Kettering. Students transferring to Kettering College will find it difficult to schedule the required course sequence to be eligible for the accelerated curriculum. A student with an excellent academic record for the first three years as a human biology major at KC, desiring to prepare for the physician assistant profession, may be given early admission to the two-year MPAS program at the college.

All Kettering College students wishing to apply to the PA program must complete the MPAS application which is available from the PA admissions coordinator. Applications are due in the PA office no later than Oct. 1

of the year prior to summer matriculation. Those students accepted by the physician assistant department into the "3+2"-year MPAS accelerated program of study have the potential to complete both degrees in an accelerated fashion.

Approval & Accreditation

Kettering College is accredited by the Higher Learning Commission (HLC), approved by the Adventist Accrediting Association (AAA), and authorized by the Ohio Department of Higher Education. The Bachelor of Science in human biology degree is accredited by the North Central Association of Colleges and Schools.

Admission Basics

This program of study is only for Kettering College students who have not earned bachelor's degrees, are enrolled in the human biology major, and desire to accelerate their completion for the graduate program in physician assistant studies. Human biology applicants must meet all admission criteria listed at KC.edu/admissions.

A student prepared for success in the human biology major has:

- A high school GPA of 3.00 or greater
- One year each of high school biology, chemistry, and physics
- At least two years of high school college-preparatory mathematics

In order to follow the suggested course of study, students must score at least 70 percent on the math placement exam or provide transfer credit equivalent to MATH 105.

A grade of C or above must be achieved in all required major courses, major elective courses, and required cognate courses, and the student must maintain a cumulative grade point average of at least 2.0 (C) in order to graduate with a major in human biology.

Information about the admission process for the MPAS is available at www.KC.edu/MPAS-admission.



KETTERING MEDICAL CENTER



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FIRST YEAR		Fall	Winter
BIOL 105	Foundations of Biology I with lab	4	
CHEM 125	General Chemistry I with lab	4	
HIST XXX	History Sequence I	3	
MATH 165	College Algebra and Trigonometry	3	
RELB 101	Seventh-day Adventist Beliefs and the Healing Ministry of Christ	3	
BIOL 110	Foundations of Biology II with lab		4
CHEM 136	General Chemistry II with lab		4
ENGL 101	Writing and Rhetoric I		3
HIST XXX	History Sequence II		3
BIOL 130	Career Explorations		1
PEAC 178	Wellness		1
TOTAL		17	16

SECOND YEAR		Fall	Winter	Summer
CHEM 211	Organic Chemistry I with lab	4		
COMM 215	Introduction to Human Communication	3		
PHYS 141	General Physics I with lab	4		
PSYC 112	General Psychology	3		
RELP 254	Morality and Medicine	3		
XXX	Humanities Group II elective		3	
CHEM 222	Organic Chemistry II with lab		4	
ENGL 218	Writing and Research in the Sciences		3	
PHYS 152	General Physics II with lab		4	
SOCI 115	Sociology		3	
XXX	Humanities Group II elective			3
BIOL 151	Microbiology (major elective)			4
PSYC 138	Human Growth and Development			3
TOTAL		17	17	10

THIRD YEAR		Fall	Winter
BIOL 210	Human Anatomy with lab	4	
BIOL 315	Molecular Biology with lab	4	
BIOL 330	Seminar in Human Biology	1	
GSCI 410	History and Philosophy of Science	3	
MATH 215	Probability and Statistics	4	
BIOL 305	Human Physiology with lab		4
BIOL 330	Seminar in Human Biology		1
BIOL 335	Genetics with lab		4
BIOL 340	Biochemistry with lab		4
PEAC XXX	Physical education elective		1
RELB XXX	Religion elective		3
TOTAL		16	17

Entry point to physician assistant program

THIRD YEAR		Summer
PHAS 501	Basics of Pharmacology*	1
PHAS 512	CMM Dermatology*	1
PHAS 551	Behavioral Medicine*	2
PHAS 553	Clinical Genetics*	2
PHAS XXX	PA professional courses	3
RELP 316	Spirituality in Healing and Health Care*	3
RELP 505	Clinical Ethics I	1.5
TOTAL		13.5

FOURTH YEAR		Fall	Winter
PHAS 513	CMM Hematology and Oncology*	1	
PHAS 514	CMM Infectious Disease*	1	
PHAS 522	CMM Endocrinology*	3	
PHAS XXX	PA professional courses	16	
PHAS 518	CMM Pulmonology*		5
PHAS XXX	PA professional courses		17
TOTAL		21	22
TOTAL CREDITS FOR DEGREE		166.5	

* Course required to meet the human biology major

