

## Bachelor of Science in Anthropology concentration in Human Biology

Human Biology is a dynamic, multidisciplinary program that provides students with an introduction to biological, behavioral, and health sciences. It is essentially an organismal biology program that focuses on humans. Through a combination of coursework in Anthropology, Biology, Psychology, and Population Health, students will gain skillsets that will prepare them for future careers in STEM, including medical tracks and allied health fields.

The major requires one of the following minors: Biology, Population Health, Psychology, or Distributed Minor comprising classes among the three disciplines.

### **BS ANTHROPOLOGY with Human Biology Concentration Requirements:**

Credits	Class	Title
3	ANTH1135	Introduction to Biological Anthropology
1	ANTH1135L	Introduction to Biological Anthropology Lab
3	ANTH2135	Human Biology: Evolution, Life History, and Health
3	ANTH350	Human Genetics ( <i>pre-req: ANTH1135 or BIOL2110C</i> )
3	ANTH357	Human Evolution ( <i>pre-req: ANTH1135 or ANTH2135</i> )
3	ANTH400	400-level Elective in Evolutionary Anthropology
3	<b>One Course from the following list:</b>	
3	ANTH360	Human Behavioral Ecology ( <i>pre-req: ANTH1135 or BIOL1110</i> )
3	ANTH363	Primate Social Behavior
4	<b>One Lecture-Lab from the following list:</b>	
4	ANTH351L	Anthropology of the Skeleton
4	ANTH390L	Human Evolutionary Physiology and Anatomy
13-14	<b>Four to Five Anthropology Electives (<i>suggested courses listed below</i>):</b>	
3	ANTH2190C	Forensic Anthropology
3	ANTH362	Great Apes: Mind and Behavior
3	ANTH450 T:	Hormones and Behavior
3	ANTH450 T:	Human Physical Activity
3	ANTH452	Primate Evolution
3	ANTH453L	Paleoecology Lab
4	ANTH454	Human Paleopathology ( <i>pre-req: ANTH351L</i> )
3	ANTH455	Anthropological Genetics ( <i>pre-req: ANTH1135 or BIOL2110C</i> )
3	ANTH457	Paleoanthropology ( <i>pre-req: ANTH357</i> )
4	ANTH458	Dental Anthropology ( <i>pre-req: ANTH1135</i> )
3	ANTH459	Advanced Osteology ( <i>pre-req: ANTH351L</i> )
3	ANTH464	Human Behavioral Evolution ( <i>pre-req: ANTH357</i> )
3	ANTH491	Population Genetics
3	ANTH561	Reproductive Ecology* ( <i>level-restriction permission required</i> )
3	ANTH567	Human Behavioral Ecology and Life History* ( <i>level-restriction permission required</i> )
3	ANTH645	Evolution of Primate Behavior* ( <i>level-restriction permission required</i> )
<b>36-37 Total Credits</b>		

**Biology Minor Requirements:**

Credits	Class	Title
4	BIOL2110C	Principles of Biology: Cellular & Molecular Lecture and Lab.
4	BIOL2410C	Principles of Biology: Genetics Lecture and Lab.
4	BIOL303 & 303L	Ecology and Evolution and Lab.
4	BIOL304 & 304L	Plant and Animal Form and Function and Lab.
6	BIOL	Electives*
<b>22 Total Credits</b>		
<b>Pre-Requisites:</b>		
3	MATH1430	Applications of Calc. I ( <i>or higher-level mathematics course</i> )
4	CHEM1215 & 1215L	Gen. Chem. I for STEM Majors and Lab.
4	CHEM1225 & 1225L	Gen. Chem. II for STEM Majors and Lab.

**Population Health Minor Requirements**

Credits	Class	Title
3	PH101	Introduction to Population Health
3	PH102	Global Health Challenges and Responses
3	PH311	Essentials of Epidemiology: The Language of Population Health ( <i>credit for major or minor, not both</i> )
3	PH420	Population Health Evidence-Based Practices
3	<b>One of the following courses:</b>	
	PH201	Population Health Biology ( <i>credit for major or minor, not both</i> )
	PH221	Population Health: Introduction to Social, Cultural, Behavioral Theory
	PH230	Introduction to Environmental and Occupational Health
	PH240	Health Systems, Services, and Policies
3	<b>One of the following courses:</b>	
	PH241	Fundamentals of Health Care Finance
	PH310	Population Health Research Methods
	PH350	Health Data Systems
	PH360	Population Health Management
3	PH375	Population Health Field Experience
<b>18 Total Credits</b>		
<b>Pre-requisites:</b>		
3	BIOL1110	General Biology ( <i>for PH201 Population Health Biology</i> )
3	MATH1350	Introduction to Statistics

**Psychology Minor Requirements:**

Credits	Class	Title
3	PSYC1110	Introduction to Psychology
9	PSY/PSYC	Electives*
6	PSY	300/400-level Electives*
<b>18 Total Credits</b>		

Optional Medical School Pre-Requisites:

PHYS1230 & 1230L Algebra-Based Physics I and Lab.

*(pre-req: MATH1240 Pre-Calculus or higher)*

PHYS1240 & 1240L Algebra-Based Physics II and Lab.

CHEM1215 & 1215L Gen. Chem. I and Lab

*(pre-req: MATH1220 College Algebra or higher)*

CHEM1225 & 1225L Gen. Chem. II and Lab

CHEM301 & 303L Organic Chemistry I and Lab.

CHEM302 & 304L Organic Chemistry II and Lab.

BIOL2110C Principles of Biology: Cellular and Molecular Lecture and Lab.

*(pre-req: CHEM1215 & 1215L Gen. Chem. I and Lab)*

BIOL2410C Principles of Biology: Genetics Lecture and Lab.

BIOC423 Introductory Biochemistry

*(pre-req: CHEM302 Organic Chemistry II)*