

APPLIED HUMAN PHYSIOLOGY, INTEGRATIVE PHYSIOLOGY B.S.

Bachelor of Science - Integrative Physiology; Applied Human Physiology Concentration

General Education Requirements

Information regarding these requirements can be found in the General Education Section (<http://catalog.umt.edu/academics/general-education-requirements/>) of the catalog.

Summary

Code	Title	Hours
Lower-Division Departmental Required Courses		15
Outside Major Lower-Division Required Courses		33-41
Upper-Division Departmental Required Courses		22
Outside Major Upper-Division Required Courses		8
Total Hours		78-86

Degree Specific Credits: 78-86

Required Cumulative GPA: 2.0

Lower-Division Departmental Required Courses

Code	Title	Hours
Complete all of the following courses:		
AHMS 144	Medical Terminology	3
HTH 110	Personal Health and Wellness	3
KIN 201	Basic Exercise Prescription	3
KIN 205	Foundations of HHP	3
NUTR 221N	Basic Human Nutrition	3
Total Hours		15

Minimum Required Grade: C-

Outside Major Lower-Division Required Courses

Note: Students interested in graduate medical professions in this concentration generally take CHMY 121N, CHMY 123 and CHMY 124. Students should talk to the IPAT advisors prior to starting a chemistry series.

Students interested in Physician Assistant training should take BIOB 160N/BIOB 161N for their introductory biology course.

Code	Title	Hours
Complete one of the following courses:		
BIOH 112	Human Form and Function I	3-4
BIOH 113	Human Form and Function II	

BIOB 160N & BIOB 161N	Principles of Living Systems and Principles of Living Systems Lab	3-5
General Chemistry - Complete one of the following:		
CHMY 121N	Introduction to General Chemistry	3-5
CHMY 141N & CHMY 142N	College Chemistry I and College Chemistry I Lab	
CHMY 143N & CHMY 144N	College Chemistry II and College Chemistry II Lab	
Organic and Biochemistry - Complete one of the following series:		4-6
CHMY 123 & CHMY 124	Introduction to Organic and Biochemistry and Introduction to Organic and Biochemistry Lab	
CHMY 221 & CHMY 222	Organic Chemistry I and Organic Chemistry I Lab	4-6
CHMY 223 & CHMY 224	Organic Chemistry II and Organic Chemistry II Lab	
Mathematics - Complete one of the following:		4-6
M 115	Probability and Linear Mathematics	
M 121 & M 122	College Algebra and College Trigonometry	
M 151	Precalculus	
M 162	Applied Calculus	
M 171	Calculus I	
Microbiology - Complete one of the following sequences:		4
BIOM 250N & BIOM 251	Microbiology for Health Sciences and Microbiology Health Sciences Lab	
BIOM 360 & BIOM 361	General Microbiology and General Microbiology Lab	3-4
Statistics - Complete one of the following courses:		
STAT 216	Introduction to Statistics (must be pre-approved by advisor)	
PSYX 222	Psychological Statistics (must be pre-approved by advisor)	3-4
SOCI 202	Social Statistics (must be pre-approved by advisor)	
EDU 421	Statistical Procedures in Education (must be pre-approved by advisor)	3-4
Complete all of the following courses:		
COMX 111A	Introduction to Public Speaking	3
PSYX 100S	Intro to Psychology	3
Complete one of the following courses:		3
PSYX 230	Developmental Psychology	
PSYX 340	Abnormal Psychology	3
Complete one of the following courses:		
ANTY 101H	Anthropology & the Human Experience	3
NASX 105H	Introduction to Native American Studies	
Total Hours		33-41

Minimum Required Grade: C-

Upper-Division Departmental Required Courses

Code	Title	Hours
Complete all of the following courses:		
HTH 475E	Legal and Ethical Issues Health and Exercise Professions	3
KIN 320	Exercise Physiology	3
KIN 321	Exercise Physiology Lab	1
KIN 330	Motor Learning and Control	3
KIN 447 or AHAT 342	Analytical & Communicative Techniques Therapeutic Interventions	3
KIN 460	ECG Assessment	2
KIN 483	Exercise Disease & Aging	3
KIN 484	Exercise Disease & Aging Lab	1
KIN 498 or KIN 499	Internship Capstone	3
Total Hours		22

Minimum Required Grade: C-

Outside Major Upper-Division Required Courses

Notes: Students are required to take either BIOH 112 OR BIOH 113 OR BIOB 160N prior to taking Anatomy and Physiology.

Code	Title	Hours
Complete one of the following Anatomy and Physiology sequences:		8
University of Montana - Mountain Campus		
BIOH 365 & BIOH 366	Human Anatomy and Physiology for Health Professions I and Human Anatomy and Physiology for Health Professions I Laboratory	
BIOH 370 & BIOH 371	Human Anatomy and Physiology for Health Professions II and Human Anatomy and Physiology for Health Professions II Laboratory	
Missoula College		
BIOH 201N & BIOH 211N	Human Anatomy & Physiology I and Human Anatomy and Physiology II	
Total Hours		8

Minimum Required Grade: C-