

# APPLIED HUMAN PHYSIOLOGY, INTEGRATIVE PHYSIOLOGY B.S.

## General Degree Requirements

To earn a baccalaureate degree, all students must complete successfully, in addition to any other requirements, the University of Montana General Education Requirements. Please refer to the General Education Requirements page (<https://catalog.umn.edu/academics/general-education-requirements/>) for more information.

Additional requirements for graduation can be found on the Degree/Certificate Requirements for Graduation page (<https://catalog.umn.edu/academics/graduation-requirements/>).

Unless otherwise noted in individual program requirements, a minimum grade point average of 2.00 in all work attempted at the University of Montana-Missoula is required for graduation. Please see the Academic Policies and Procedures page (<https://catalog.umn.edu/academics/policies-procedures/>) for information on how your GPA is calculated.

Courses taken to satisfy the requirements of a major, minor, or certificate program must be completed with a grade of C- or better unless a higher grade is noted in the program requirements.

## BACHELOR OF SCIENCE - INTEGRATIVE PHYSIOLOGY; APPLIED HUMAN PHYSIOLOGY CONCENTRATION

### Course Requirements

- 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 160 and BIOB 161N for their introductory biology course.

Code	Title	Hours
<b>Lower-Division Departmental Required Courses</b>		
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
<b>Outside Major Lower-Division Required Courses</b>		
Complete one of the following courses: 3-4		
BIOH 112	Human Form and Function I	
BIOH 113	Human Form and Function II	
BIOB 160 & BIOB 161N	Principles of Living Systems and Principles of Living Systems Lab	
General Chemistry - Complete one of the following: 3-5		
CHMY 121N	Introduction to General Chemistry	

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	
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	
Statistics - Complete one of the following courses:		3-4
STAT 216	Introduction to Statistics (must be pre-approved by advisor)	
PSYX 222	Psychological Statistics (must be pre-approved by advisor)	
SOCI 202	Social Statistics (must be pre-approved by advisor)	
EDU 421	Statistical Procedures in Education (must be pre-approved by advisor)	
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	Psychological Disorders	
Complete one of the following courses:		3
ANTY 101H	Anthropology & the Human Experience	
NASX 105H	Introduction to Native American Studies	
<b>Upper-Division Departmental Required Courses</b>		
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

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KIN 484	Exercise Disease & Aging Lab	1
KIN 498	Internship	3
or KIN 499	Capstone	
<b>Outside Major Upper-Division Required Courses <sup>1</sup></b>		
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	
<b>Total Hours</b>		<b>78-86</b>

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