

EXERCISE SCIENCE - APPLIED, INTEGRATIVE PHYSIOLOGY B.S.

Bachelor of Science - Integrative Physiology; Exercise Science - Applied 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		9
Outside Major Lower-Division Required Courses		31-34
Upper-Division Departmental Required Courses		22
Outside Major Upper-Division Required Courses		8
Elective Courses		18
Total Hours		88-91

Degree Specific Credits: 88-91

Required Cumulative GPA: 2.0

Lower-Division Departmental Required Courses

Code	Title	Hours
Complete all of the following courses:		
KIN 201	Basic Exercise Prescription	3
KIN 205	Foundations of HHP	3
NUTR 221N	Basic Human Nutrition	3
Total Hours		9

Minimum Required Grade: C-

Outside Major Lower-Division Required Courses

Note: Students interested in Medical School should pay special attention to those additional requirements. Please meet with the Medical School Adviser in the Integrative Physiology Department if you intend to also major in Pre-Medical studies.

Code	Title	Hours
Complete one of the following courses:		
BIOB 160N	Principles of Living Systems	3
BIOH 112	Human Form and Function I	
BIOH 113	Human Form and Function II	
Complete all of the following courses:		
CHMY 121N	Introduction to General Chemistry	4
CHMY 123	Introduction to Organic and Biochemistry	4

CHMY 124	Introduction to Organic and Biochemistry Lab	2
COMX 111A	Introduction to Public Speaking	3
PHSX 205N	College Physics I	4
or PHSX 215N	Fundamentals of Physics with Calculus I	
PHSX 206N	College Physics I Laboratory	1
or PHSX 216N	Physics Laboratory I with Calculus	
PSYX 100S	Intro to Psychology	3
Complete one of the following:		4-6
M 151	Precalculus	
M 162	Applied Calculus	
M 172	Calculus II	
M 121	College Algebra	
& M 122	and College Trigonometry	
Complete one of the following:		3-4
STAT 216	Introduction to Statistics	
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)	
Total Hours		31-34

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 425	Biomechanics	3
KIN 447	Analytical & Communicative Techniques	3
or AHAT 342	Therapeutic Interventions	
KIN 498	Internship	3
NUTR 411	Nutrition For Sports & Exercise	3
Total Hours		22

Minimum Required Grade: C-

Outside Major Upper-Division Required Courses

Note: It is strongly recommended that students 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
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BIOH 370 & BIOH 371	Human Anatomy and Physiology for Health Professions II and Human Anatomy and Physiology for Health Professions II Laboratory
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Missoula College

BIOH 201N & BIOH 211N	Human Anatomy & Physiology I and Human Anatomy and Physiology II
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Total Hours	8
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Minimum Required Grade: C-

Elective Courses

Code	Title	Hours
Complete the following elective credits:		18

Electives require adviser consent. Students should take an appropriate number of upper-division electives to achieve 39 Upper Division Credits, per UM graduation requirements. Students should largely use elective courses to meet the additional prerequisite course requirements of graduate programs where they hope to apply or to meet career goals.

Minimum Required Grade: C-