

PRE-ATHLETIC TRAINING, INTEGRATIVE PHYSIOLOGY B.S.

Bachelor of Science - Integrative Physiology; Pre-Athletic Training Concentration

Note: The Pre-Athletic Training concentration is not a stand-alone degree. Rather, students in this concentration should be prepared to apply to the Master of Athletic Training (MAT) program. Pre-requisite and professional program courses for the MAT require a grade of C or better.

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 | | 12 |
| Outside Major Lower-Division Required Courses | | 37-41 |
| Upper-Division Departmental Required Courses | | 23 |
| Outside Major Upper-Division Required Courses | | 8 |
| Professional Program Courses | | 16 |
| Elective Courses | | 6 |
| Total Hours | | 102-106 |

Degree Specific Credits: 102-106

Required Cumulative GPA: 2.0

Lower-Division Departmental Required Courses

| Code | Title | Hours |
|---|---|-----------|
| Complete all of the following courses: | | |
| AHAT 210 | Prevention and Care Athletic Injuries | 2 |
| AHAT 213 | Prevention and Care Athletic Injuries Lab | 1 |
| KIN 201 | Basic Exercise Prescription | 3 |
| KIN 205 | Foundations of HHP | 3 |
| NUTR 221N | Basic Human Nutrition | 3 |
| Total Hours | | 12 |

Minimum Required Grade: C-

Outside Major Lower-Division Required Courses

Note: Students interested in medical or dental school should replace CHMY 121N, CHMY 123 and CHMY 124 with CHMY 141N/CHMY 142N, CHMY 143N/CHMY 144N, CHMY 221/CHMY 222, and CHMY 223/CHMY 224. Students interested in physical therapy or other graduate medical professions generally take CHMY 121N, CHMY 123 and

CHMY 124. Students should talk to the IPAT advisors prior to starting a chemistry series.

| 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 | Principles of Living Systems | |
| Complete all of the following courses: | | |
| BIOM 250N | Microbiology for Health Sciences | 3 |
| 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 |
| PHAR 110N | Use & Abuse of Drugs | 3 |
| PHSX 205N | College Physics I | 4 |
| PHSX 206N | College Physics I Laboratory | 1 |
| PSYX 100S | Intro to Psychology | 3 |
| Mathematics - Complete one of the following: | | |
| M 121 College Algebra & M 122 and College Trigonometry | | 4-6 |
| M 151 Precalculus | | |
| M 162 Applied Calculus | | |
| M 171 Calculus I | | |
| Statistics - Complete one of the following courses: | | |
| STAT 216 | Introduction to Statistics (must be pre-approved by advisor) | 3-4 |
| PSYX 222 | Psychological Statistics (must be pre-approved by advisor) | |
| SOCI 202 | Social Statistics (must be pre-approved by advisor) | 3-4 |
| EDU 421 | Statistical Procedures in Education (must be pre-approved by advisor) | |
| NASX 105H | Introduction to Native American Studies | |
| Total Hours | | 37-41 |

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 322 & KIN 323 or KIN 425 | Kinesiology and Anatomical Kinesiology Lab and Biomechanics | 3-4 |
| KIN 330 | Motor Learning and Control | 3 |
| KIN 447 or AHAT 342 | Analytical & Communicative Techniques and Therapeutic Interventions | 3 |

| | | |
|--------------------|---------------------------------|--------------|
| NUTR 411 | Nutrition For Sports & Exercise | 3 |
| Total Hours | | 19-20 |

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. Students who take the BIOH 201N and BIOH 211N Anatomy and Physiology series may need to take additional upper division credits beyond the courses required in this concentration to meet the university of Montana requirement of 39 upper-division credits for graduation.

| 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-

Professional Program Courses

Note: Only students who are accepted into the Professional Master's in Athletic Training program are eligible for these courses. These 16 credits count towards completion of the BS in Integrative Physiology.

| Code | Title | Hours |
|---|---|-----------|
| Complete all of the following courses: | | |
| ATEP 534 | Emergency Management in Athletic Training | 3 |
| ATEP 540 | Practicum in Athletic Training I | 3 |
| ATEP 541 | Practicum in Athletic Training II | 3 |
| ATEP 543 | Orthopedic Assessment I | 3 |
| ATEP 569 | Clinical Anatomy Laboratory | 1 |
| ATEP 581 | Therapeutic Interventions I | 3 |
| Total Hours | | 16 |

Minimum Required Grade: C-

Elective Courses

| Code | Title | Hours |
|--|-------|-----------|
| 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 or to meet career goals. | | 18 |
| Total Hours | | 18 |

Minimum Required Grade: C-