

Lower Division Requirements

**Indicated courses are prep core and must be completed prior to enrolling in HPHY 321 and 322.
(Prereqs for all courses are listed in parentheses).*

CHEMISTRY (or honors chemistry)

*CH 221	General Chem I	(CH 111 or placement, MATH 111, co-req MATH 112)
*CH 222	General Chem II	(CH 221 or 224H, MATH 112)
*CH 223	General Chem III	(CH 222 or 225H, MATH 112)

MATH

MATH 112	Precalculus II: Trigonometry	(placement score or MATH 111)
STAT 243	Elementary Statistics	note: STAT 425 can be taken instead of 243
MATH 246	Calculus I for Bio Sciences	(MATH 112)
MATH 251	Calculus I	(MATH 112)

BIOLOGY (or honors biology)

*BI 221	Cells	(CH 1xx or 2xx)
*BI 222	Organisms	(BI 211)
BI 223	Ecology & Evolution	(BI 211)
BI 214	Biochem and Genetics	(BI 212, CH 223 or 226H)

HUMAN PHYSIOLOGY

*HPHY 211	Medical Terminology
*HPHY 212	Sci Invest in Physiology

PHYSICS (or Foundations of Physics)

PHYS 201	General Physics I	(MATH 112)
PHYS 202	General Physics II	(PHYS 201)
PHYS 203	General Physics III	(PHYS 202)

LAB sequence (one lab sequence)

CH 227	Chem Lab I	PHYS 204	Physics Lab I
CH 228	Chem Lab II	PHYS 205	Physics Lab II
CH 229	Chem Lab III	PHYS 206	Physics Lab III

Anatomy and Physiology Core

“In residence” requirement (must be taken at University of Oregon)
(Prereqs for all courses are listed in parentheses)

HPHY 321	Human Anatomy I	(HPHY 211, BI 212 or 282H, CH 223 or 226H)
HPHY 322	Human Physiology I	(HPHY 212, BI 212 or 282H, CH 223 or 226H)
HPHY 323	Human Anatomy II	(HPHY 321)
HPHY 324	Human Physiology II	(HPHY 321, 322)
HPHY 325	Anatomy & Physiology III	(HPHY 323, 324)
HPHY 371	Physiology of Exercise	(HPHY 323, 324)

Upper Division Electives - 16 credits required

LIST A *minimum 2 courses (prerequisites listed in parentheses)*

HPHY 333	Motor Control	([HPHY 321, HPHY 322] or PSY 304)
HPHY 362	Tissue Injury and Repair	(HPHY 323, HPHY 324)
HPHY 374	Clinical ECG and Exercise	(HPHY 324)
HPHY 375	Metabolism and Nutrition	(HPHY 325, HPHY 371)
HPHY 381	Biomechanics	(HPHY 323, PHYS 201)
ANTH 362	Human Biological Variation	
ANTH 366	Human Osteology Lab	(ANTH 170 or 176 or 270 or HPHY 321)
ANTH 369	Human Growth and Development	
ANTH 459	Advanced Evolutionary Medicine	(ANTH 175 or 270 or 468 or BI 380 -- 175 recommended)
BI 320	Molecular Genetics	(BI 214 or 282H)
BI 322	Cellular Biology	(BI 214 or 282H)
BI 358	Investigations in Medical Physiology	(BI 214 or 283H or HPHY 324)
BI 360	Neurobiology	(BI 214 or 282H)
CH 360	Physiologic Biochemistry	(CH 336 or CH 343 -- BI 214 or 282H recommended)
CH 462	Biochemistry II	(CH 461)

LIST B “Capstones” *minimum 1 course (prerequisites listed in parentheses)*

HPHY 410	Physiology of Human Performance	(HPHY 371)
HPHY 410	Biomechanics of Sports	(HPHY 323, PHYS 201)
HPHY 410	Mission to Mars	(HPHY 325, 371)
HPHY 412	Sleep Physiology	(HPHY 325)
HPHY 413	Muscle Physiology	(HPHY 323, 324)
HPHY 414	Muscle Metabolism	(HPHY 371)
HPHY 422	Physiology of Obesity	(HPHY 325, 371)
HPHY 423	Physiology of Aging	(HPHY 325)
HPHY 432	Neural Development	(HPHY 321, 322)
HPHY 433	Neurophysiology of Concussion	(HPHY 325)
HPHY 434	Movement Disorders	(HPHY 325, 333)
HPHY 436	Clinical Neuroscience	(HPHY 321, 322)
HPHY 462	Therapeutic Techniques	(HPHY 325, 371)
HPHY 470	Environmental Physiology	(HPHY 371)
HPHY 473	High Altitude Physiology and Medicine	(HPHY 325, 371)

LIST C *List C options usually offer variable credit. Up to four credits may be counted toward HPHY 16 UD.*

HPHY 401	Research
HPHY 403	Thesis
HPHY 404	Internship
HPHY 405	Special Problems
HPHY 406	Practicum
HPHY 407	Seminar
HPHY 408	Workshop
HPHY 411	Scientific Teaching
HPHY 420	Human Cadaver Dissection

All HPHY major requirements must be completed with a grade of C- or better.

All courses satisfying major requirements must be letter grade (exception if P/N is the only option).

Students must maintain a 2.0 cumulative GPA, and a 2.0 GPA in courses required for the major.