**Lower Division Requirements**

*The courses circled below are preparatory core courses and must be completed prior to enrolling in HPHY 321 and 322*

<table>
<thead>
<tr>
<th>BIOLOGY</th>
<th>CHEMISTRY</th>
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<tbody>
<tr>
<td><strong>BI 211</strong></td>
<td><strong>CH 221</strong></td>
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<tr>
<td><strong>BI 212</strong></td>
<td><strong>CH 222</strong></td>
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<tr>
<td><strong>BI 213 OR 214</strong></td>
<td><strong>CH 223</strong></td>
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<tr>
<td>OR Honors Biology</td>
<td>OR Honors Chemistry</td>
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<thead>
<tr>
<th>CHEMISTRY LAB</th>
<th>PHYSICS LAB</th>
<th>PHYSICS</th>
<th>MATH</th>
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<tbody>
<tr>
<td>CH 227</td>
<td>PHYS 204</td>
<td>PHYS 201</td>
<td>Math 246 OR 251</td>
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<tr>
<td>CH 228</td>
<td>PHYS 205</td>
<td>PHYS 202</td>
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<td>CH 229</td>
<td>PHYS 206</td>
<td>PHYS 203</td>
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<tr>
<th>MEDICAL TERMINOLOGY</th>
<th>SCIENTIFIC INVESTIGATIONS</th>
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<tr>
<td>HPHY 211</td>
<td>HPHY 212</td>
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**Anatomy & Physiology Core**

*“In residence” requirement (must be taken at U of O)*

- HPHY 321 – Human Anatomy I
- HPHY 322 – Human Physiology I
- HPHY 323 – Human Anatomy II
- HPHY 324 – Human Physiology II
- HPHY 325 – Anatomy & Physiology III
- HPHY 371 – Physiology of Exercise
Upper Division Electives

Required: 16 upper division credits

**LIST A**  minimum 2 courses

- HPHY 333 Motor Control
- HPHY 362 Tissue Injury and Repair
- HPHY 374 Clinical ECG and Exercise
- HPHY 375 Metabolism and Nutrition
- HPHY 381 Biomechanics
- ANTH 362 Human Biological Variation
- ANTH 366 Human Osteology
- ANTH 369 Human Growth and Development
- ANTH 459 Advanced Evolutionary Medicine
- BI 309 Diseases of Africa
- BI 320 Molecular Genetics
- BI 322 Cell Biology
- BI 358 Investigations in Medical Physiology
- BI 360 Neurobiology
- CH 360 Physiological Biochemistry
- CH 462 Biochemistry

**LIST B**  "Capstones" minimum 1 course

- HPHY 410 (new capstone courses awaiting a permanent number)
- HPHY 412 Sleep Physiology
- HPHY 413 Muscle Structure, Function, and Plasticity
- HPHY 414 Muscle Metabolism
- HPHY 422 Physiology of Obesity
- HPHY 423 Physiology of Aging
- HPHY 432 Neural Development
- HPHY 433 Neurophysiology of Concussion
- HPHY 434 Movement Disorders
- HPHY 436 Clinical Neuroscience
- HPHY 444 Clinical Anatomy
- HPHY 462 Therapeutic Techniques
- HPHY 470 Environmental Physiology
- HPHY 473 High Altitude Physiology and Medicine
- HPHY 485 Gait Analysis
- HPHY 486 Orthopedic Biomechanics

**LIST C** - List C options offer variable credit. Up to four credits may be counted towards the 16 upper division elective credits required by the major.

- HPHY 401 Research
- HPHY 403 Thesis
- HPHY 404 Internship
- HPHY 405 Reading and Conference
- HPHY 406 Special Problems
- HPHY 408 Workshop
- HPHY 409 Practicum
- 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 used to satisfy the major requirements must be taken for a letter grade, with the exception of those where pass/no-pass is the only option.

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