Physics is the study of matter, energy, motion, and force. Many students study physics because they enjoy it, and they find that physics is exciting and intellectual stimulating. Physics majors develop the problem-solving and analytic skills that many employers value, allowing many of our graduates to enter the workforce directly, while some of our graduates continue their studies with graduate work in physics or related areas.

### Freshman Year

**FALL SEMESTER**
- UK 101 - ACADEMIC ORIENTATION - 1
- UK Core - Comp. & Comm. I - 3
- Pre-Major Math Selection - 5
- UK Core - Arts and Creativity - 3
- UK Core - Social Sciences - 3

**TOTAL HOURS: 15**

**SPRING SEMESTER**
- PHY 231 - GENERAL UNIVERSITY PHYSICS - 4
- PHY 241 - GENERAL UNIVERSITY PHYSICS LABORATORY - 1
- UK Core - Comp. & Comm. II - 3
- Pre-Major Math Selection - 5
- UK Core - Statistical Inferential Reason - 3

**TOTAL HOURS: 16**

Total Freshman Hours: 31

### Sophomore Year

**FALL SEMESTER**
- PHY 232 - GENERAL UNIVERSITY PHYSICS - 4
- PHY 242 - GENERAL UNIVERSITY PHYSICS LABORATORY - 1
- MA 213 - CALCULUS III - 4
- Foreign Language 101 - 4
- Courses Outside Physics (200+ level) - 3

**TOTAL HOURS: 16**

**SPRING SEMESTER**
- PHY 228 - OPTICS, RELATIVITY AND THERMAL PHYSICS - 3
- PHY 306 - THEORETICAL METHODS OF PHYSICS - 3
- Foreign Language 102 - 4
- Courses Outside Physics (200+ level) - 3
- UK Core - Humanities - 3

**TOTAL HOURS: 16**

Total Sophomore Hours: 32

### Junior Year

**FALL SEMESTER**
- CHE 105 - GENERAL COLLEGE CHEMISTRY I - 4
- PHY 335 - DATA ANALYSIS FOR PHYSICISTS - 2
- Foreign Language 201 - 3
- Courses Outside Physics (200+ level) - 3
- A&S Humanities (100+ level) - 3
- UK Core - Community, Culture and Citizen - 3

**TOTAL HOURS: 18**

**SPRING SEMESTER**
- CHE 107 - GENERAL COLLEGE CHEMISTRY II - 3
- PHY 361 - PRINCIPLES OF MODERN PHYSICS - 3
- Foreign Language 202 - 3
- Courses Outside Physics (300+ level) - 3
- UK Core - Global Dynamics - 3

**TOTAL HOURS: 15**

Total Junior Hours: 33
### Senior Year

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>Physics Course (300+ level) - <strong>3</strong></td>
<td>PHY 435 - INTERMEDIATE PHYSICS LABORATORY - <strong>3</strong></td>
</tr>
<tr>
<td>Physics Course (400+ level) - <strong>3</strong></td>
<td>Courses Outside Physics (300+ level) - <strong>3</strong></td>
</tr>
<tr>
<td>A&amp;S Social Sciences (300+level) - <strong>3</strong></td>
<td>A&amp;S Social Sciences (100+ level) - <strong>3</strong></td>
</tr>
<tr>
<td>A&amp;S Humanities (100+ level) - <strong>3</strong></td>
<td>A&amp;S Approved Elective (300+ level) - <strong>3</strong></td>
</tr>
<tr>
<td>A&amp;S Approved Elective (300+ level) - <strong>3</strong></td>
<td>A&amp;S Approved Elective (300+ level) - <strong>3</strong></td>
</tr>
</tbody>
</table>

**TOTAL HOURS: 15**

**TOTAL HOURS: 18**

**Total Senior Hours: 33**

**Total Minimum hours Required for Degree: 120 hours**

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University of Kentucky is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, masters, and doctorate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or online at [www.sacscoc.org](http://www.sacscoc.org) for questions about the accreditation of University of Kentucky.

Current UK students: Please login to [http://myUK.uky.edu](http://myUK.uky.edu) to access your personalized major template and degree audit via the Graduation Planning System (GPS). This major template is the curriculum requirements for completion of the degree program only and is not a personalized audit based on your completed coursework. This major template does not reflect entrance requirements for selective majors. Please consult with the college to learn more about admission to this major.