Physics, B.A.

Academic Plans

Four-Year Graduation Plan

The following checkpoints list the minimum requirements students must complete by certain semesters in order to stay on the University's Four-Year Graduation Plan. Courses in the major are those required to complete the major; they may be offered by departments other than the major department.

Before the third semester begins: calculus II and physics II.

Before the fifth semester begins: physics III-IV and up to four more courses in the major.

Before the seventh semester begins: two to four more courses in the major and at least 90 s.h. earned toward the degree.

Before the eighth semester begins: two or three more courses in the major.

During the eighth semester: enrollment in all remaining coursework in the major, all remaining GE CLAS Core courses, and a sufficient number of semester hours to graduate.

Sample Plan of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

Physics, B.A.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Academic Career</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Any Semester</td>
<td></td>
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<tr>
<td>Research: students are strongly encouraged to be active participants in research within the department.</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td><strong>First Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS:1701</td>
<td>Physics I   a</td>
<td>4</td>
</tr>
<tr>
<td>MATH:1850</td>
<td>Calculus I a, b</td>
<td></td>
</tr>
<tr>
<td>ENGL:1200</td>
<td>The Interpretation of Literature</td>
<td>3 - 4</td>
</tr>
<tr>
<td>or RHET:1030</td>
<td>or Rhetoric</td>
<td></td>
</tr>
<tr>
<td>GE CLAS Core: Social Sciences c</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CSI:1600</td>
<td>Success at Iowa</td>
<td>2</td>
</tr>
<tr>
<td><strong>Hours</strong></td>
<td></td>
<td>16-17</td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS:1702</td>
<td>Physics II a</td>
<td>4</td>
</tr>
<tr>
<td>RHET:1030</td>
<td>Rhetoric</td>
<td>3 - 4</td>
</tr>
<tr>
<td>or ENGL:1200</td>
<td>or The Interpretation of Literature</td>
<td></td>
</tr>
<tr>
<td>MATH:1860</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>GE CLAS Core: Diversity and Inclusion c</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Hours</strong></td>
<td></td>
<td>14-15</td>
</tr>
<tr>
<td><strong>Second Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall</td>
<td></td>
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</tr>
<tr>
<td>PHYS:2703</td>
<td>Physics III</td>
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<tr>
<td>MATH:2700</td>
<td>Introduction to Linear Algebra d</td>
<td>4</td>
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<tr>
<td>GE CLAS Core: World Languages First Level Proficiency or elective course e</td>
<td>4 - 5</td>
<td></td>
</tr>
<tr>
<td>GE CLAS Core: Values and Culture c</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Hours</strong></td>
<td></td>
<td>15-16</td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td></td>
<td></td>
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<tr>
<td>PHYS:2704</td>
<td>Physics IV</td>
<td>3 - 4</td>
</tr>
<tr>
<td>MATH:2850</td>
<td>Calculus III d</td>
<td>4</td>
</tr>
<tr>
<td>GE CLAS Core: International and Global Issues c</td>
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<td>3</td>
</tr>
<tr>
<td>GE CLAS Core: World Languages Second Level Proficiency or elective course e</td>
<td>4 - 5</td>
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</tr>
<tr>
<td>Elective course g</td>
<td></td>
<td>1 - 3</td>
</tr>
<tr>
<td><strong>Hours</strong></td>
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<td>14-17</td>
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<tr>
<td><strong>Third Year</strong></td>
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<tr>
<td>Fall</td>
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<tr>
<td>PHYS:3756</td>
<td>Intermediate Laboratory</td>
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<tr>
<td>Major: physics elective course numbered 3000 or above 1</td>
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<td>3</td>
</tr>
<tr>
<td>GE CLAS Core: Historical Perspectives c</td>
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<td>3</td>
</tr>
<tr>
<td>GE CLAS Core: World Languages Fourth Level Proficiency or elective course e</td>
<td>4 - 5</td>
<td></td>
</tr>
<tr>
<td>Elective course g</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Hours</strong></td>
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<td>13-14</td>
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<tr>
<td><strong>Fourth Year</strong></td>
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<tr>
<td>Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major: additional STEM course in chosen thematic area</td>
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<td>3</td>
</tr>
<tr>
<td>Major: physics elective course numbered 3000 or above 1</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GE CLAS Core: Literary, Visual, and Performing Arts c</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Elective course g</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Elective course g</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Elective course g</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Hours</strong></td>
<td></td>
<td>15</td>
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<tr>
<td><strong>Spring</strong></td>
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<tr>
<td>Major: additional STEM course in chosen thematic area</td>
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<td>3</td>
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<tr>
<td>Elective course g</td>
<td></td>
<td>3</td>
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<tr>
<td>Elective course g</td>
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<td>3</td>
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<tr>
<td>Elective course g</td>
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<td>3</td>
</tr>
<tr>
<td>Degree Application: apply on MyUI before deadline (typically in February for spring, September for fall)</td>
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<td></td>
</tr>
<tr>
<td><strong>Hours</strong></td>
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<td>15</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td>116-125</td>
</tr>
</tbody>
</table>

a Fulfills a major requirement and may fulfill a GE requirement.

b Enrollment in math courses requires completion of a placement exam.
c GE CLAS Core courses may be completed in any order unless used as a prerequisite for another course. Students should consult with an advisor about the best sequencing of courses.

d While this course is not a major requirement, it is strongly recommended and a prerequisite for many physics and astronomy courses in the department.

e Students who have completed four years of a single language in high school have satisfied the GE CLAS Core World Languages requirement. Enrollment in world languages courses requires a placement exam, unless enrolling in a first-semester-level course.

f See General Catalog for a list of approved courses.

g Students may use elective courses to earn credit towards the total s.h. required for graduation or to complete a double major, minors, or certificates.

h Please see Academic Calendar, Office of the Registrar website for current degree application deadlines. Students should apply for a degree for the session in which all requirements will be met. For any questions on appropriate timing, contact your academic advisor or Graduation Services.