**Physics Major: Foundation**  
(August 2013)

For prospective majors enrolling in Math 110, 114, or above in the fall of the first year

<table>
<thead>
<tr>
<th>Year 1:</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Spring</strong></td>
</tr>
<tr>
<td>CSP Seminar</td>
<td>CSP Seminar</td>
</tr>
<tr>
<td>Core Distribution</td>
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</tr>
<tr>
<td>(Math 110, 114)</td>
<td>(Math 120, 128)</td>
</tr>
<tr>
<td>Physics 106</td>
<td>Physics 110</td>
</tr>
<tr>
<td>(CS 161, 165)*†</td>
<td>(CS 161, 165)*†</td>
</tr>
<tr>
<td><strong>Year 2:</strong></td>
<td></td>
</tr>
<tr>
<td>Foreign Language 1</td>
<td>Foreign Language 2</td>
</tr>
<tr>
<td>Core Distribution</td>
<td>Physics 240</td>
</tr>
<tr>
<td>Physics 120</td>
<td>Physics 250</td>
</tr>
<tr>
<td>(Math 212, 214)*‡</td>
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<tr>
<td>(CS 161, 165)*†</td>
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</table>

See *Physics Major: Options* for required and suggested coursework in Years 3 and 4

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*Students are strongly encouraged to take both these courses by the end of their sophomore year.

†Two-credit course

‡These courses may be taken in either order.

(...) One of the courses given in parentheses should be taken.

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1. Students who wish to take courses without the prerequisites must petition the Physics Department.

2. If language proficiency is met with fewer courses than shown, additional electives may be chosen.
Physics Major: Options
(August 2013)

Note: All Options require Junior Seminar: Physics 490 and 491 (two credits each)

Physics: Physics 310, 315*, 316*, 320, 330, 340, one Selective*

Year 3: Physics 310
Physics 320

Year 4: Physics 315†
Physics 490†
[Physics Selective’]

Physics: Physics 310, 315*, 316*, 320, 330, 340, one Selective*

Mathematics: Physics 310, 320, one Selective*, 8 units above 300; 8 units above 300 in Math/Comp Sci

Year 3: Physics 310
{Physics 320/Math-CS}

Year 4: {Math-CS/Physics 320]
Physics 315†
Physics 490†
[Physics Selective’]

Chemistry: Physics 310, 320, 330, 340 or Chem 305; Chemistry 120 or 130, 220, 221, and 240

Year 3: Physics 310
Chem I

Year 4: Physics 320
Chem III
Physics 490†
[Physics Selective’]

Education: Physics 320, two Selectives; Ed 201, 205, 340

Year 3: Physics 320
Ed 201

Year 4: [Ed 314#]
Physics 490†
[Physics Selective’]

Materials: Physics 310, 320, one Selective*, 8 units above 300; 8 units above 300 in Math/Comp Sci

Year 3: Physics 310
{Physics 320/Math-CS}

Year 4: {Math-CS/Physics 320]
Physics 315†
Physics 490†
[Physics Selective’]

Chemistry: Physics 310, 320, 330, 340 or Chem 305; Chemistry 120 or 130, 220, 221, and 240

Year 3: Physics 310
Chem I

Year 4: Physics 320
Chem III
Physics 490†
[Physics Selective’]

Education: Physics 320, two Selectives; Ed 201, 205, 340

Year 3: Physics 320
Ed 201

Year 4: [Ed 314#]
Physics 490†
[Physics Selective’]

A “Physics Selective” is a course from the 260/360 series, or any 300-level physics course not otherwise required for the Option.

A two-credit course.

† Recommended courses for the eight Physics units above 300 required for the Math Option.

‡ Strongly recommended course, but not required for the Option.

(... Only one of the courses given in parentheses is required for the Option.

{... Course sequences listed in curly brackets may be taken in either junior or senior year.

[...] A course listed in square brackets may be taken at any time.
**Combined Plan (3-2 Program)**  
**Physical Sequence**  
(August 2013)

**Note:** Prospective 3-2 students must place into Math 110, 114 or above

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<tr>
<td>Physics 310</td>
<td>{Physics 330/340}</td>
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</tr>
<tr>
<td>Physics 320</td>
<td>(CS 211/Math 341/Math 342)</td>
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</tr>
<tr>
<td>(Chem 120/Foreign Language 1)</td>
<td>(Chem 220/Foreign Language 2)</td>
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</tr>
<tr>
<td>[Physics Selective∗]</td>
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Notes:
1. Econ 101 is recommended for one of the core distribution courses (Group 5: United States).
2. Students are encouraged to take Math 341: Ordinary Differential Equations.
3. Students interested in Electrical or Biomedical Engineering should take Physics 262: Electronics.

*All interested students are urged to meet with the 3-2 Liaison Officer before the end of sophomore year.*

∗A course from the 260/360 series, or any 300-level physics course not otherwise required for the 3-2 Program.

†Two-credit course

‡Students should complete both these courses by the end of sophomore year.

∗These courses may be taken in either order.

(…) One of the courses given in parentheses should be taken.

(…) Courses in curly brackets are not actually required of 3-2 students, but are strongly recommended since they allow for an easy transition into the physics major should the student decide not to continue in the 3-2 program.