BS Physics  
(Without Teacher Certification)  
(Calculus Ready)  

Students can double major by careful choice of approved electives and adding two additional courses (see advisor)

<table>
<thead>
<tr>
<th>Freshman Fall</th>
<th>Freshman Spring</th>
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</thead>
<tbody>
<tr>
<td>PHYS 122</td>
<td>Principles of Physics I</td>
</tr>
<tr>
<td>MATH 120</td>
<td>Calculus I</td>
</tr>
<tr>
<td>Approved CS elective</td>
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</tr>
<tr>
<td>ENGL 111</td>
<td>Introduction to College Composition</td>
</tr>
<tr>
<td>HLTH 101</td>
<td>Wellness for Life</td>
</tr>
<tr>
<td>MATH 120</td>
<td>Calculus I</td>
</tr>
<tr>
<td>HIST 201</td>
<td>U.S. History through 1877</td>
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<tr>
<td>ENGL 112</td>
<td>College Composition and Research</td>
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<table>
<thead>
<tr>
<th>Sophomore Fall</th>
<th>Sophomore Spring</th>
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<tbody>
<tr>
<td>MATH 332</td>
<td>Linear Algebra</td>
</tr>
<tr>
<td>MATH 333</td>
<td>Calculus III</td>
</tr>
<tr>
<td>HIST 202</td>
<td>US History since Reconstruction</td>
</tr>
<tr>
<td>POLS 201</td>
<td>American National Government</td>
</tr>
<tr>
<td>Support field</td>
<td>Support field^</td>
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<td>16</td>
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<table>
<thead>
<tr>
<th>Junior/Senior Fall (even year)</th>
<th>Junior/Senior Spring (odd year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 331</td>
<td>Mechanics I</td>
</tr>
<tr>
<td>PHYS 332</td>
<td>Electromagnetic Field Theory</td>
</tr>
<tr>
<td>Support field</td>
<td>Support field^</td>
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<tr>
<td>Communications</td>
<td>Social &amp; Behavioral Science Elective</td>
</tr>
<tr>
<td>Elective</td>
<td>Elective</td>
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<td>12</td>
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<table>
<thead>
<tr>
<th>Junior/Senior Fall (odd year)</th>
<th>Junior/Senior Spring (even year)</th>
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</thead>
<tbody>
<tr>
<td>PHYS 435</td>
<td>Quantum Physics</td>
</tr>
<tr>
<td>PHYS 333</td>
<td>Thermodynamics</td>
</tr>
<tr>
<td>Advanced Support field</td>
<td>Advanced Support field^</td>
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<tr>
<td>Advanced elective</td>
<td>Advanced elective^</td>
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<tr>
<td>12</td>
<td>16</td>
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</tbody>
</table>

* Support field and elective courses must be chosen so that the final degree plan has at least 128 semester hours, at least 45 of which are advanced hours

1 An appropriate course should be selected in consultation with the academic advisor.
2 Courses that meet the Visual and Performing Arts elective requirement are listed in the university catalog.
3 Support field should be selected in consultation with the academic advisor. Students must complete at least 26 hours (at least 9 of which are advanced) in the support field. Standard tracks include Nuclear Engineering, Hydrology, Mathematics, Computer Science, Engineering, Pre-Medicine, Medical Physics, and Chemistry (Unique tracks available with the consent of academic advisor)
4 PHYS majors should take COMS 301 to satisfy the Communications requirement.
5 An appropriate course should be selected in consultation with the academic advisor.
6 PHYS majors are encouraged to take ENGR 303 and PHIL 301 to satisfy the Social and Behavioral Sciences requirement.
7 Electives should be selected in consultation with the academic advisor. Students must complete at least 10 hours (at least 6 of which are advanced) of electives.