## Undergraduate Degree Program

### Physics - BA

### Curriculum Map For The Academic Learning Compact

#### Direct Measures

<table>
<thead>
<tr>
<th>Degree Program</th>
<th>Student Learning Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Content/Discipline Knowledge</td>
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<tr>
<td></td>
<td>2048 2048L 2049 2049L 3106 3106L 3107 3107L 3513 4134 4135 4821L</td>
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</tbody>
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**Graduates will demonstrate competency in the subject knowledge of Physics in the areas of mechanics, electricity and magnetism, thermodynamics, and quantum/wave mechanics.**

**X**

**Technology**

Graduates will demonstrate competency in writing computer programs to solve Physics problems and analyze experimental data, including reading data files, numerical computation, mathematical modeling and curve fitting.

**X**

**Critical Thinking**

Graduates will demonstrate their ability to think critically in terms of identifying and summarizing a problem or question, analyzing and examining ideas and research findings, assessing the influence of context, and constructing and interpreting information within Physics.

**X**

**Communication**

Graduates will demonstrate effective written communication skills in Physics by explaining content and developing ideas, effectively organizing information, demonstrating a command of the written language, and using the conventions of language and documentation appropriately.

**X**

Graduates will demonstrate effective oral communication skills including demonstrating an advanced level of subject knowledge, and ability to effectively organize and present concepts and data.

**X**

**=courses where outcomes are assessed/taught.**