## General Education Requirements:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Writing Skills: WRIT 101 (or placement into WRIT 201)</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Writing (may combine w/ other Gen Ed)</td>
<td>0-3</td>
</tr>
<tr>
<td>Advanced Writing: Covered below - PHSX 330</td>
<td>N/A</td>
</tr>
<tr>
<td>Symbolic Systems: Fulfilled by Math Requirements below</td>
<td>0</td>
</tr>
<tr>
<td>Groups (at least 3 credits in each of these six groups)</td>
<td>12-18</td>
</tr>
<tr>
<td>Expressive Arts (A)</td>
<td></td>
</tr>
<tr>
<td>Social Sciences (S)</td>
<td></td>
</tr>
<tr>
<td>Literary and Astristic Studies (L)</td>
<td></td>
</tr>
<tr>
<td>Ethics &amp; Human Values (E) [Note: EDU 407E below]</td>
<td></td>
</tr>
<tr>
<td>Historical and Cultural Studies (H)</td>
<td></td>
</tr>
<tr>
<td>Natural Sciences (N) (covered by courses below)</td>
<td></td>
</tr>
<tr>
<td>Democracy and Citizenship (Y) [may &quot;double-dip&quot; with other Gen Ed]</td>
<td></td>
</tr>
<tr>
<td>Cultural &amp; International Diversity (X) [Note: Choose NASX course, see below]</td>
<td></td>
</tr>
</tbody>
</table>

## Physics Requirements:

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Lower Div. Physics: PHSX 215, PHSX 216, PHSX 217, PHSX 218, PHSX 218</td>
<td>10</td>
</tr>
<tr>
<td>Upper Div. Physics: PHSX 301, PHSX 311, PHSX 330, PHSX 343</td>
<td>14</td>
</tr>
<tr>
<td>300+ Level Physics Elective (3 credits)</td>
<td></td>
</tr>
</tbody>
</table>

## Math Requirements:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower Division Math: M 171, M 172, M 273, STAT 216 or 341</td>
<td>15-16</td>
</tr>
<tr>
<td>M 221</td>
<td>4</td>
</tr>
</tbody>
</table>

## Other Science Requirements:

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Astronomy: ASTR 131, ASTR 134</td>
<td>4</td>
</tr>
<tr>
<td>Biology: BIOB 160, BIOB 161, BIOB 260, BIOB 272</td>
<td>12</td>
</tr>
<tr>
<td>Chemistry: CHMY 141, CHMY 143, CHMY 485</td>
<td>11</td>
</tr>
<tr>
<td>Geosciences: GEO 101, GEO 102, GEO 105, 108, 200, or ASTR 351</td>
<td>7</td>
</tr>
</tbody>
</table>

## Secondary Licensure Requirements:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEE 233</td>
<td>6</td>
</tr>
<tr>
<td>CPR/First Aid, Native Amerian Studies (same as &quot;X&quot; course above)</td>
<td></td>
</tr>
<tr>
<td>EDU 202*</td>
<td>10</td>
</tr>
<tr>
<td>EDU 221, EDU 345, EDU 370 * Pre-req. for EDU 395</td>
<td></td>
</tr>
<tr>
<td>EDU 395**</td>
<td>7</td>
</tr>
<tr>
<td>EDU 407E, EDU 481 ** Taken w/ EDU 497, fall term</td>
<td></td>
</tr>
<tr>
<td>EDU 494</td>
<td>18</td>
</tr>
<tr>
<td>EDU 495, Science Education: EDU 497</td>
<td></td>
</tr>
</tbody>
</table>

## Total Required Credits: (Total credits are variable due to overlap of requirements)

<table>
<thead>
<tr>
<th>Requirement</th>
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</tr>
</thead>
<tbody>
<tr>
<td>At least 120 total credits</td>
<td></td>
</tr>
<tr>
<td>At least 39 upper-division credits</td>
<td></td>
</tr>
</tbody>
</table>