PHYSICAL SCIENCE, BACHELOR OF ARTS

Offered by Department of Physics and Astronomy (http://catalog.unk.edu/undergraduate/departments-programs/physics-astronomy/)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>General Studies</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Foundational Requirements (LOPERs 1-4)</strong></td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Including:</td>
<td></td>
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<tr>
<td></td>
<td>LOPER 4: Mathematics, Statistics, and Quantitative Reasoning</td>
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<tr>
<td></td>
<td>MATH 115 Calculus I with Analytic Geometry</td>
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<tr>
<td></td>
<td><strong>Broad Knowledge Requirements (LOPERs 5-8)</strong></td>
<td>11</td>
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<tr>
<td></td>
<td>Take any one course in LOPER 5, LOPER 6, or LOPER 7 that satisfies a Dispositional Requirement (LOPER 9 or LOPER 10) and a Broad Knowledge Requirement. The courses that meet these criteria are listed at <a href="https://catalog.unk.edu/undergraduate/general-studies/courses-satisfy-broad-knowledge-dispositional/">https://catalog.unk.edu/undergraduate/general-studies/courses-satisfy-broad-knowledge-dispositional/</a>. See advisor for assistance.</td>
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<td></td>
<td>Including:</td>
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<td></td>
<td>LOPER 8: Natural Science</td>
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<tr>
<td></td>
<td>PHYS 275 General Physics I (Calculus)</td>
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<td></td>
<td>PHYS 275L General Physics I (Calculus) Laboratory</td>
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<td></td>
<td><strong>Dispositional Requirements (LOPERs 9-10)</strong></td>
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<tr>
<td></td>
<td><strong>Wellness (LOPER 11) Optional</strong></td>
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<tr>
<td></td>
<td><strong>BA Language requirement</strong></td>
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<td></td>
<td>Complete all required courses</td>
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<tr>
<td></td>
<td><strong>Major Option</strong></td>
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<tr>
<td></td>
<td>Complete all required courses</td>
<td>30</td>
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<tr>
<td></td>
<td><strong>Minor or 2nd Major</strong></td>
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<tr>
<td></td>
<td>Complete all required courses</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td><strong>Unrestricted electives</strong></td>
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</tr>
<tr>
<td></td>
<td>Needed to reach 120 credit hour minimum</td>
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</tr>
<tr>
<td></td>
<td>Total Credit Hours</td>
<td>120</td>
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**Major Option**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td></td>
<td><strong>Physical Science Core Requirements</strong></td>
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<tr>
<td></td>
<td>PHYS 276 General Physics II (Calculus)</td>
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<td></td>
<td>PHYS 276L General Physics II (Calculus) Laboratory</td>
<td>1</td>
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<tr>
<td></td>
<td>CHEM 160 General Chemistry</td>
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<tr>
<td></td>
<td>CHEM 160L General Chemistry Laboratory</td>
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<td></td>
<td><strong>Physical Science Electives</strong></td>
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<td></td>
<td>Select 21 credit hours of the following:</td>
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<td></td>
<td>CHEM 200-CHEM 499L</td>
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</tbody>
</table>

1 Students without sufficient preparation will also need to take the following courses, increasing the total credit hours needed:
   • MATH 102
   • MATH 103

2 Designated courses with the appropriate content approved to satisfy one of the Broad Knowledge requirements plus LOPER 9 or a Broad Knowledge requirement plus LOPER 10. Some courses approved satisfy LOPER 9 or LOPER 10 alone. Choosing a course that satisfies the Broad Knowledge requirement **AND** LOPER 9 or the Broad Knowledge Requirement **AND** LOPER 10 will reduce the total general studies hours.

3 For specific language requirements see #2 of Bachelor of Arts Degree requirements (http://catalog.unk.edu/undergraduate/academics/degrees/ba/).

4 A minor or second major is required for a complete degree program. The number of required electives needed to reach 120 total credit hours overall will depend upon the specific program chosen.

5 Electives must include one advanced course (300-400 level) in BOTH Chemistry AND Physics.