# PHYSICS MINOR

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>MATH 115</td>
<td>Calculus I with Analytic Geometry 1</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 275</td>
<td>General Physics I (Calculus)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 275L</td>
<td>General Physics I (Calculus) Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 276</td>
<td>General Physics II (Calculus) 2</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 276L</td>
<td>General Physics II (Calculus) Laboratory 2</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 346</td>
<td>Modern Physics I 2</td>
<td>4</td>
</tr>
</tbody>
</table>

Select 5 credit hours of the following: 2

- PHYS 350 Astrophysics I
- PHYS 351 Astrophysics II
- PHYS 360 Computational Methods in Physics and Astronomy
- PHYS 361 Astronomy Methods II
- PHYS 402 Analytic Mechanics
- PHYS 407 Electricity & Magnetism
- PHYS 410 Mathematical Techniques in Physics I
- PHYS 419 Quantum Mechanics
- PHYS 420 Advanced Physics Laboratory
- PHYS 430 Optics
- PHYS 440 Thermodynamics and Statistical Mechanics
- PHYS 495 Research in Physics

Total Credit Hours 24

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

- MATH 102
- MATH 103

2 Students whose major programs do not require the requisite mathematics classes in the program will also need to take the following courses, increasing the total credit hours needed:

- MATH 205
- MATH 305