## PHYSICS, BACHELOR OF ARTS

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

### General Studies

**Foundational Core (Written, Math, Oral, Democracy)**

Foundational Core courses [Link to the Courses](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses) - 14 credits

Including:

- **MATH 115** Calculus I with Analytic Geometry - 1 credit

### Portal

Select one course numbered 188 [Link to the Courses](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/portal-course) - 3 credits

### Distribution

- **ENG 101** Introduction of Academic Writing - 3 credits

If ENG 101 is not taken as a prerequisite for ENG 102 then additional hours may be required to meet the 27 credit hour minimum in the Distribution Area of General Studies.

- **Aesthetics** [Link to the Courses](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/aesthetics) - 3 credits

- **Humanities** [Link to the Courses](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/humanities) - 6 credits

- **Social Sciences** [Link to the Courses](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/social-sciences) - 6 credits

- **Natural Sciences** [Link to the Courses](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/natural-sciences) - 8 credits

Including:

- **PHYS 275** General Physics I (Calculus) and **PHYS 275L** General Physics I (Calculus) Laboratory - 5 credits

### Analytical and Quantitative Thought [Link to the Courses](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/analytical-quantitative-thought)

- **Wellness** [Link to the Courses](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/wellness) - 0 credits

Needed to reach 27 credit hour minimum in Distribution - 1 credit

### Capstone

Select one course numbered 388 [Link to the Courses](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/capstone-course) - 3 credits

### BA Language requirement

Complete all required courses - 6 credits

### Major Option

Complete all required courses - 36 credits

### Minor or 2nd Major

Complete all required courses - 24 credits

### Unrestricted electives

Needed to reach 120 credit hour minimum - 7 credits

**Total Credit Hours** - 120 credits

### Major Option

#### Physics Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 123</td>
<td>Freshman Physics Seminar</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 276 &amp; 276L</td>
<td>General Physics II (Calculus) and General Physics II (Calculus) Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 346</td>
<td>Modern Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 410</td>
<td>Mathematical Techniques in Physics I</td>
<td>3</td>
</tr>
</tbody>
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#### Physics Electives

Select 8 credit hours of the following:

- **PHYS 400-PHYS 499**

#### Physics Math Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 202</td>
<td>Calculus II with Analytic Geometry</td>
<td>5</td>
</tr>
<tr>
<td>MATH 260</td>
<td>Calculus III</td>
<td>5</td>
</tr>
<tr>
<td>MATH 305</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
</tbody>
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**Total Credit Hours** - 36 credits

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

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

3. 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.