## PHYSICS 7-12 TEACHING SUBJECT ENDORSEMENT, BACHELOR OF SCIENCE IN EDUCATION

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>
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### General Studies

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

Foundational Core courses (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses) 14

Including:

- ENG 102 Academic Writing and Research
- MATH 115 Calculus I with Analytic Geometry 1
- SPCH 100 Fundamentals of Speech Communication
- TE 100 Teaching in a Democratic Society

**Portal**

Select one course numbered 188 3

**Distribution**

Aesthetics (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/aesthetics) 3

Humanities (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/humanities) 6

Social Sciences (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/social-sciences) 6

Including:

- PSCI 110 Introduction to American Politics

Natural Sciences (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/natural-sciences) 8

Including:

- CHEM 160 & 160L General Chemistry and General Chemistry Laboratory

Select 1 of the following:

- BIOL 103 General Biology
- BIOL 105 Biology I
- BIOL 106 Biology II

### Analytical and Quantitative Thought (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/analytical-quantitative-thought)

0

### Wellness (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/wellness)

3

Including:

- PE 150 Healthy Wealthy and Wise

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

**Capstone**

Select one course numbered 388 (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/capstone-course) 3

**Professional Sequence**

Complete all required courses 2

Including:

- TE 319 Management and Assessment in K-12/Secondary Classrooms
- TE 320 Field Experience in Secondary Classroom

**Endorsement**

Complete all required courses 37

**Unrestricted electives**

Needed to reach 120 credit hour minimum 11

**Total Credit Hours**

120

### Endorsement

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**Physics Subject Endorsement Requirements**

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<tr>
<th>Code</th>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>PHYS 201</td>
<td>Earth Science</td>
<td>4</td>
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<tr>
<td>PHYS 275 &amp; 275L</td>
<td>General Physics I (Calculus) and General Physics I (Calculus) Laboratory</td>
<td>5</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 301</td>
<td>Advanced Physical Science</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 346</td>
<td>Modern Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 471</td>
<td>Methods in Secondary Science Teaching</td>
<td>3</td>
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Select 12 credit hours of the following:

- PHYS 300-PHYS 499 3

**Total Credit Hours**

37

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 must apply for admission to all Teacher Education programs (http://catalog.unk.edu/undergraduate/departments-programs/teacher-education/teacher-education-program-information).

3 Except PHYS 388.