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>
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<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
- SPCH 100  Fundamentals of Speech Communication
- TE 100  Teaching in a Democratic Society

**Portal**
Select one course numbered 188 (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/portal-course) 3

**Distribution**

ENG 101  Introduction of Academic Writing 3

If ENG 101 is taken as a prerequisite for ENG 102 then only 24 additional hours are required to meet the 27 credit hour minimum in the Distribution Area of General Studies

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  General Chemistry
- & 160L  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

**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 25

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 9

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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<tbody>
<tr>
<td>PHYS 123</td>
<td>Freshman Physics Seminar</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 201</td>
<td>Earth Science</td>
<td>4</td>
</tr>
<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>
</tr>
<tr>
<td>PHYS 300-PHYS 499</td>
<td>Select 9 credit hours of the following:</td>
<td>9</td>
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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/professional-sequence-education-degrees).

3 Except PHYS 388.