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

Offered by Department of Physics and Astronomy (http://catalog.unk.edu/catalog-archive/2017-2018/undergraduate/departments-programs/physics-astronomy)

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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/catalog-archive/2017-2018/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/catalog-archive/2017-2018/undergraduate/general-studies/general-studies-courses/portal-course) | 3

**Distribution**

- Aesthetics (http://catalog.unk.edu/catalog-archive/2017-2018/undergraduate/general-studies/general-studies-courses/aesthetics) | 3
- Humanities (http://catalog.unk.edu/catalog-archive/2017-2018/undergraduate/general-studies/general-studies-courses/humanities) | 6
- Social Sciences (http://catalog.unk.edu/catalog-archive/2017-2018/undergraduate/general-studies/general-studies-courses/social-sciences) | 6

Including:

- PSCI 110 Introduction to American Politics
- Natural Sciences (http://catalog.unk.edu/catalog-archive/2017-2018/undergraduate/general-studies/general-studies-courses/natural-sciences) | 8

Including:

- CHEM 160 and 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/catalog-archive/2017-2018/undergraduate/general-studies/general-studies-courses/analytical-quantitative-thought) | 0

## Wellness (http://catalog.unk.edu/catalog-archive/2017-2018/undergraduate/general-studies/general-studies-courses/wellness) | 3

## Capstone

Select one course numbered 388 (http://catalog.unk.edu/catalog-archive/2017-2018/undergraduate/general-studies/general-studies-courses/capstone-course) | 3

## Professional Sequence

**Endorsement**

Complete all required courses | 37

Including:

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

**Unrestricted electives**

Needed to reach 120 credit hour minimum | 11

Total Credit Hours | 120

## Endorsement

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### Physics Subject Endorsement Requirements

- PHYS 201 Earth Science | 4
- PHYS 275 General Physics I (Calculus)  
  & 275L and General Physics I (Calculus) Laboratory | 5
- PHYS 276 General Physics II (Calculus)  
  & 276L and General Physics II (Calculus) Laboratory | 5
- PHYS 301 Advanced Physical Science | 4
- PHYS 346 Modern Physics I | 4
- PHYS 471 Methods in Secondary Science Teaching | 3

Select 12 credit hours of the following: | 12

- 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


3. Except PHYS 388.