# Chemistry 7-12 Teaching Subject Endorsement, Bachelor of Science in Education

Offered by Department of Chemistry (http://catalog.unk.edu/undergraduate/departments-programs/chemistry)

## Code | Title | Credit Hours
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*General Studies*

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

- ENG 102  Academic Writing and Research  3
- MATH 115  Calculus I with Analytic Geometry 1  5
- SPCH 100  Fundamentals of Speech Communication  3
- TE 100  Teaching in a Democratic Society  3

**Portal**

Select one course numbered 188 (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/portal-course)  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  0
- **Natural Sciences** (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/natural-sciences)  9

**Including:**

Select one of the following:

- BIOL 105  Biology I  2
- BIOL 106  Biology II

Select one of the following:

- PHYS 205  General Physics I and General Physics I Laboratory
- PHYS 275  General Physics I (Calculus) and General Physics I (Calculus) Laboratory

**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**

Select 25 credit hours including the following:  25

- TE 206  Instructional Technology and the Preservice Teacher
- TE 306  Reading and Inclusion in K-12 Classrooms
- TE 319  Management and Assessment in K-12/Secondary Classrooms
- TE 320  Field Experience in Secondary Classroom

**Endorsement**

Complete all required courses  34

**Unrestricted electives**

Needed to reach 120 credit hour minimum  14

**Total Credit Hours**

120

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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 BIOL 105 would fulfill the prerequisite requirement for BIOL 471.

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