

# CHEMISTRY (7-12) ENDORSEMENT

Code	Title	Credits
CHEM 1180 & CHEM 1184	GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY	4
CHEM 1190 & CHEM 1194	GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY	4
CHEM 2210 & CHEM 2214	FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY	5
CHEM 2400 & CHEM 2404	QUANTITATIVE ANALYSIS and QUANTITATIVE ANALYSIS LAB	4
CHEM 2500	INTRODUCTION TO INORGANIC CHEMISTRY	3
CHEM 3350 & CHEM 3354	PHYSICAL CHEMISTRY I and PHYSICAL CHEMISTRY I LABORATORY	4
CHEM 3650 & CHEM 3654	FUNDAMENTALS OF BIOCHEMISTRY and FUNDAMENTALS OF BIOCHEMISTRY LABORATORY	4
GEOL 1170	INTRODUCTION TO PHYSICAL GEOLOGY	4
BIOL 1450	BIOLOGY I	5
PHYS 2120 & PHYS 1164	GENERAL PHYSICS-CALCULUS LEVEL and GENERAL PHYSICS LABORATORY II	5
MATH 1950	CALCULUS I	5
MATH 1960	CALCULUS II	4
<b>Total Credits</b>		<b>51</b>

Candidates must have satisfactorily completed all required coursework prior to clinical practice.

A minimum grade of "C" must be earned in all certification requirements, endorsements, and concentrations. All grades of incomplete and any grades below "C" in these specific requirements must be removed prior to clinical practice. Candidates are responsible for contacting their advisor regarding said grades.

For courses in this major/ endorsement that require a grade of C or higher, CR/ NC is not permissible.

Candidates must have a minimum cumulative GPA of 2.75 or higher in order to be eligible for clinical practice.

## Freshman

Fall		Credits
ENGL 1150	ENGLISH COMPOSITION I	3
MATH 1950	CALCULUS I	5
CHEM 1180 & CHEM 1184	GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY	4
Social Science		3

\*Student must test into MATH 1950 Calculus I based off of ACT Math scores or Accuplacer exam, or bring transfer credit for MATH 1320 & 1330 or MATH 1340. These additional math courses may be required before MATH 1950 if the student does not test into it.

Attend Welcome Week events; other campus events

Advising appointment for spring: Sept. - Oct.

Note: ENGL 1150, ENGL 1160, CMST 1110 or 2120, and approved math (Quantitative Literacy) course should be taken and passed in the first academic year

**Credits 15**

## Spring

ENGL 1160	ENGLISH COMPOSITION II	3
CMST 1110	PUBLIC SPEAKING FUNDS	3
MATH 1960	CALCULUS II	4
CHEM 1190 & CHEM 1194	GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY	4

Advising appointment for fall: February - March

Join a student organization

Make a plan to take the Praxis Core

**Credits 14**

## Sophomore

### Fall

TED 2100	EDUCATIONAL FOUNDATIONS	3
CHEM 2210 & CHEM 2214	FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY	5
CHEM 2400 & CHEM 2404	QUANTITATIVE ANALYSIS and QUANTITATIVE ANALYSIS LAB	4

Advising appointment for spring: Sept. - Oct.

Identify professional organization to get involved with. Begin resume development.

**Credits 12**

### Spring

TED 2200	HUMAN RELATIONS FOR BIAS-FREE CLASSROOMS	3
CHEM 2500	INTRODUCTION TO INORGANIC CHEMISTRY	3
CHEM 3650 & CHEM 3654	FUNDAMENTALS OF BIOCHEMISTRY and FUNDAMENTALS OF BIOCHEMISTRY LABORATORY	4

Humanities/ Fine Arts course 3

Advising appointment for fall: February - March

Apply to Educator Preparation Program March 1 or June 1 deadline

**Credits 13**

## Summer

PHYS 2120 & PHYS 1164	GENERAL PHYSICS-CALCULUS LEVEL and GENERAL PHYSICS LABORATORY II	5
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**Credits 5**

## Junior

### Fall

TED 2380	DEVELOPMENT AND LEARNING IN ADOLESCENCE	3
TED 2400	PLANNING FOR EFFECTIVE TEACHING	6
CHEM 3350 & CHEM 3354	PHYSICAL CHEMISTRY I and PHYSICAL CHEMISTRY I LABORATORY	4

Humanities and Fine Arts 3

Advising appointment for spring: Sept. - Oct.

MUST attempt PRAXIS Core by January 10th and have 2.75 minimum NU GPA to progress in Educator Preparation Program.

**Credits 16**

**Spring**

TED 3550	SECONDARY CLASSROOM MANAGEMENT	3
TED 3690	LITERACY AND LEARNING	3
SPED 3800	DIFFERENTIATION AND INCLUSIVE PRACTICES	3
BIOL 1450	BIOLOGY I	5
*Social Science		3
*May be taken in the summer to lighten course load		
Advising appointment for fall: February - March		
<b>Credits</b>		<b>17</b>

**Senior****Fall**

TED 4000	SPECIAL METHODS IN THE CONTENT AREA	3
GEOL 1170	INTRODUCTION TO PHYSICAL GEOLOGY	4
Social Science		3
Humanities and Fine Arts		3
Humanities and Fine Arts with Global Diversity		3
Take Praxis II- Chemistry: Content Knowledge #5245		
Advising appointment for spring: Sept. - Oct.		
Apply for clinical practice at beginning of fall term.		
<b>Credits</b>		<b>16</b>

**Spring**

TED 4600	CLINICAL PRACTICE AND SEMINAR: ELEMENTARY OR SECONDARY LEVEL	12
Apply for graduation		
<b>Credits</b>		<b>12</b>
<b>Total Credits</b>		<b>120</b>

This roadmap is a suggested plan of study and does not replace meeting with an advisor. Please note that students may need to adjust the actual sequence of courses based on course availability. Please consult an advisor in your major program for further guidance.

This plan is not a contract and curriculum is subject to change

**Additional Information About this Plan:**

**University Degree Requirements:** The minimum number of hours for a UNO undergraduate degree is 120 credit hours. Please review the requirements for your specific program to determine all requirements for the program. In order to graduate on-time (four years for an undergraduate degree), you need to take 30 hours each year. Information based on 2023-2024 University of Nebraska at Omaha undergraduate catalog.

**Placement Exams:** For Math, English, Foreign Language, a placement exam may be required. More information on these exams can be found at <https://www.unomaha.edu/enrollment-management/testing-center/placement-exams/information.php>

\*\*Transfer credit or placement exam scores may change suggested plan of study

**GPA Requirements:**

2.5 minimum GPA to remain in College of Education, 2.5 minimum GPA to apply to Educator Preparation Program, 2.75 minimum GPA to progress in Educator Preparation Program

# Professional education course: a grade of C or higher is required to pass the class

**Graduation Requirements:** 2.75 minimum NU GPA