# Biology (7-12) Endorsement

## Code | Title | Credits
--- | --- | ---
BIOL 1450 | Biology I | 5
BIOL 1750 | Biology II | 5
BIOL 2140 | Genetics | 4
BIOL 2740 | Human Anatomy and Physiology I | 4
BIOL 3020 | Molec Biol of the Cell | 3
or BIOL 3340 | Ecology | 3
BIOL 3830 | Biology of Pathogenic Microorganisms | 3
BIOL 4230 | Evolution | 3
GEOL 1170 | Introduction to Physical Geology | 4
CHEM 1140 & CHEM 1144 | Fundamentals of College Chemistry and Laboratory | 5
CHEM 2210 & CHEM 2214 | Fundamentals of Organic Chemistry and Laboratory | 5
PHYS 1050 & PHYS 1054 | Introduction to Physics and Laboratory | 5

**Total Credits**: 46

### Freshman

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1150</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1220</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1450</td>
<td>Biology I</td>
<td>5</td>
</tr>
</tbody>
</table>

Social Science: 3

Attend Welcome Week events; other campus events.


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**: 14

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1160</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>CMST 1110</td>
<td>Public Speaking Funds</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1750</td>
<td>Biology II</td>
<td>5</td>
</tr>
</tbody>
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Humanities and Fine Arts: 3

Advising appointment for fall: February - March.

Join a student organization.

Make a plan to take the Praxis Core.

**Credits**: 14

### Sophomore

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>TED 2100</td>
<td>Educational Foundations</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1140</td>
<td>Fundamentals of College Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1144</td>
<td>Fundamentals of College Chemistry Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 2740</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
</tbody>
</table>

Social Science: 3

**Credits**: 8

### Senior

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TED 4000</td>
<td>Special Methods in the Content Area</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 1170</td>
<td>Introduction to Physical Geology</td>
<td>4</td>
</tr>
</tbody>
</table>

Humanities/Fine Arts (Global Diversity): 3

**Credits**: 8

### Advising

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

### Credits

- Spring
  - TED 2200 | Human Relations for Bias-Free Classrooms | 3
  - BIOL 2140 | Genetics | 4
  - CHEM 2210 | Fundamentals of Organic Chemistry | 4
  - CHEM 2214 | Fundamentals of Organic Chemistry Laboratory | 1
  - Humanities and Fine Arts: 3
  - Advising appointment for fall: February - March.
  - Apply to Educator Preparation Program March 1 or June 1 deadline.

- Junior
  - Fall
    - TED 2380 | Development and Learning in ADOLESCENCE | 3
    - TED 2400 | Planning for Effective Teaching | 6
    - BIOL 4230 | Evolution | 3
    - BIOL 3020 | Molecular Biology of the Cell | 3
    - Advising appointment for fall: February - March.
    - MUST pass PRAXIS Core by Nov 30th and have 2.75 minimum NU GPA to progress in Educator Preparation Program.

- Spring
  - TED 3550 | Secondary Classroom Management | 3
  - TED 3690 | Literacy and Learning | 3
  - BIOL 3830 | Biology of Pathogenic Microorganisms | 3
  - PHYS 1050 | Introduction to Physics | 4
  - PHYS 1054 | Introduction to Physics Laboratory | 1

  Advising appointment for fall: February - March.

- Summer
  - Social Science: 3
  - Electives Required for Degree*: 5
  - MUST pass PRAXIS Core by Nov 30th and have 2.75 minimum NU GPA to progress in Educator Preparation Program.
  - *May be taken in summers or other semesters before Clinical Practice. Talk to your advisor about how many credit hours of electives you need for your degree.

- Senior
  - Fall
    - TED 4000 | Special Methods in the Content Area | 3
    - GEOL 1170 | Introduction to Physical Geology | 4

- Credits: 14

### Summer

Social Science: 3

Electives Required for Degree*: 5


MUST pass PRAXIS Core by Nov 30th and have 2.75 minimum NU GPA to progress in Educator Preparation Program.

*May be taken in summers or other semesters before Clinical Practice. Talk to your advisor about how many credit hours of electives you need for your degree.
SPED 3800 DIFFERENTIATION AND INCLUSIVE PRACTICES 3
Take Praxis II- Biology: Content Knowledge #5235
Apply for clinical practice at beginning of fall term.

Spring
Clinical Practive 12

Apply for graduation

Credits 13

Total Credits 12

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 the 2021-2022 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