I. ACHIEVEMENT CENTERED EDUCATION (ACE) (27 hrs)

All UNL students are required to complete a minimum of 3 hours of approved course work in each of the 10 designated ACE areas.

ACE #1 Written Texts Incorporating Research & Knowledge Skills
ENGL 150, 151, or 254 (3 hrs)

ACE #2 Communication Skills
COMM 109, 209, 210, or 286 (3 hrs)

ACE #3 Mathematical, Computational, Statistical, or Formal Reasoning Skills
MATH 106, STAT 218 or EDPS 459 (3 hrs)

ACE #4 Study of Scientific Methods & Knowledge of Natural & Physical World
LIFE 120/120L (3 hrs) □□□□

ACE #5 Study of Humanities
(Any) (3 hrs)

ACE #6 Study of Social Sciences
EDPS 251 (3 hrs) □□□□

ACE #7 Study of the Arts to Understand Their Context & Significance
(Any) (3 hrs)

ACE #8 Ethical Principles, Civics, Stewardship & Their Importance to Society
TEAC 331 (3 hrs) □□□□

ACE #9 Global Awareness, Knowledge of Human Diversity through Analysis of an Issue
TEAC 330 (3 hrs) □□□□

ACE #10 Integration of Abilities, Capacities in a Creative or Scholarly Product
TEAC 403B (3 hrs) □□□□

Additional ACE course work

Select 4 additional courses from ACE Outcomes 1-10

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Grade Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIFE 121</td>
<td>4 hrs</td>
<td>□□□□</td>
</tr>
<tr>
<td>GEOL 109</td>
<td>3 hrs</td>
<td>□□□□</td>
</tr>
<tr>
<td>CHEM 109 or 113</td>
<td>4 hrs</td>
<td>□□□□</td>
</tr>
<tr>
<td>EDPS 457</td>
<td>3 hrs</td>
<td>□□□□</td>
</tr>
</tbody>
</table>

II. PRE-PROFESSIONAL EDUCATION (13 hrs)

No grade lower than “C”

All courses must be for a grade (not Pass/No Pass) with the exception of EDPS 297. TEAC 331 & EDPS 251 must average a 2.5 GPA

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Grade Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEAC 331</td>
<td>School and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDPS 251</td>
<td>Adolescent Development for Ed</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDPS 297</td>
<td>Practicum (take with EDPS 251)</td>
<td>1 hr</td>
</tr>
<tr>
<td>TEAC 330</td>
<td>Multicultural Ed</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TEAC 259</td>
<td>Instructional Technology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Acceptance into the Science Teacher Education Program is required before enrollment in the Professional Education courses. 80% of the endorsement courses must be completed prior to enrolling in TEAC 451V. The professional education sequence begins spring semester, continues in the fall semester, and is followed by a semester of student teaching.

III. ENDORSEMENT (36-38 hrs)

No grade lower than “C”

Students must complete a minimum of 24 hours in biology from the following list plus a minimum of 4 hours each in chemistry, physics, and earth & space science.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Grade Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIFE 120/120L</td>
<td>Fundamentals of Biology I w/lab</td>
<td>4 hrs</td>
</tr>
<tr>
<td>LIFE 121/121L</td>
<td>Fundamentals of Biology II w/lab</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Select one of the following choices:

- BIOS 112 | Intro to Zoology w/lab OR
- ASCI 100 | Fundamentals of Animal Biology and Industry OR
- BIOS 109 | General Botany OR
- AGRO 131/132 | Plant Science w/lab (HORT 131/133)

Select at least one of the following:

- BIOS 115 | Insect Biology (ENTO 115) OR
- BIOS 213/213L | Human Physiology w/lab OR
- BIOS 312/313 | Microbiology w/lab OR
- BIOS 207 | Ecology and Evolution OR
- PLPT 270 | Biological Invaders (NRES/AGRO/HORT)
- AGRO 115 | Biotechnology: Food Health and Environment

Select one of the following Genetics choices:

- BIOS 206 | General Genetics OR
- AGRI 315 | Genetics

Select one of the following Ecology choices:

- BIOS 220/222 | Principles of Ecology (NRES 220/222) OR
- BIOS 207 | Ecology and Evolution OR
- PLPT 270 | Biological Invaders (NRES/AGRO/HORT)

Select one of the following Chemistry choices:

- CHEM 109 | General Chemistry I OR
- CHEM 113 | Fundamentals of Chemistry I

Select one of the following Physics choices:

- PHYS 141 | Elementary General Physics I OR
- PHYS 211/211L | General Physics I w/lab OR
- MSYM 109/109L | Physical Principles in Agriculture and Life Sciences

- GEOL 101 | Physical Geology | 4 hrs |

Professional Education Courses (27 hrs)

All grades must be a minimum of “C+” or above

Methods

- TEAC 451V | Teaching Principles (3 hrs)
- TEAC 452V | Curriculum Principles (3 hrs)
- TEAC 397V | Practicum (3 hrs)
- EDPS 457 | Learning and Motivation (3 hrs)
- SPED 401B | Mainstreaming (3 hrs)

Student Teaching

- TEAC 497V | Student Teaching (9 hrs)
- TEAC 403B | Student Teaching Seminar (ACE 10) (3 hrs)

Electives (13-15 hrs)

- □□□□
- □□□□