Agricultural Education

Department Information

- **Department Web Site:**
  www.ndsu.edu/education/ (http://www.ndsu.edu/education/)
- **Credential Offered:**
  B.S.
- **Sample Program Guide:**
  catalog.ndsu.edu/programs-study/undergraduate/agricultural-education/#planofstudytext (http://catalog.ndsu.edu/programs-study/undergraduate/agricultural-education/#planofstudytext)

Major Requirements

Major: Agriculture Education

**Degree Type:** B.S.

**Minimum Degree Credits to Graduate:** 120

University Degree Requirements

1. Satisfactory completion of all requirements of the curriculum in which one is enrolled.
2. Earn a minimum total of 120 credits in approved coursework. Some academic programs exceed this minimum.
3. Satisfactory completion of the general education requirements as specified by the university.
4. A minimum institutional GPA of 2.00 based on work taken at NDSU.
5. At least 30 credits must be NDSU resident credits. Resident credits include credits registered and paid for at NDSU.
6. At least 36 credits presented for graduation must be in courses numbered 300 or higher.
7. Students presenting transfer credit must meet the NDSU residence credits and the minimum upper level credit. Of the 30 credits earned in residence, a minimum of 15 semester credits must be in courses numbered 300 or above, and 15 semester credits must be in the student’s curricula for their declared major.

For complete information, please refer to the Degree and Graduation Requirements (http://catalog.ndsu.edu/academic-policies/undergraduate-policies/degree-and-graduation/) section of this Bulletin.

University General Education Requirements

A list of university approved general education courses and administrative policies are available here (http://catalog.ndsu.edu/academic-policies/undergraduate-policies/general-education/#genedcoursestext).

<table>
<thead>
<tr>
<th>Code</th>
<th>Category</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENGL 110</td>
<td>Category C: Communication</td>
<td>College Composition I</td>
<td>12</td>
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<tr>
<td>ENGL 120</td>
<td></td>
<td>College Composition II</td>
<td></td>
</tr>
<tr>
<td>COMM 110</td>
<td></td>
<td>Fundamentals of Public Speaking</td>
<td></td>
</tr>
<tr>
<td>Upper Division Writing †</td>
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</tr>
<tr>
<td>Category R: Quantitative Reasoning †</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Category S: Science and Technology †</td>
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<td>10</td>
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<tr>
<td>Category A: Humanities and Fine Arts †</td>
<td></td>
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</tr>
<tr>
<td>Category B: Social and Behavioral Sciences †</td>
<td></td>
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</tr>
<tr>
<td>Category W: Wellness †</td>
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</tr>
<tr>
<td>Category D: Cultural Diversity ††</td>
<td></td>
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</tr>
<tr>
<td>Category G: Global Perspectives ††</td>
<td></td>
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</tr>
</tbody>
</table>

*Total Credits 39

*Courses for category D & G are satisfied by completing D & G designated courses in another general education category.
† General education courses may be used to satisfy requirements for both general education and the major, minor, and program emphases, where applicable. Students should carefully review major requirements to determine if specific courses can also satisfy these general education categories.

**Major Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Agriculture Education Core Requirements</strong></td>
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</tr>
<tr>
<td>AGEC 242</td>
<td>Introduction to Agricultural Management</td>
<td>3</td>
</tr>
<tr>
<td>AGEC 244</td>
<td>Agricultural Marketing</td>
<td>3</td>
</tr>
<tr>
<td>or AGEC 350</td>
<td>Agrisales</td>
<td></td>
</tr>
<tr>
<td>ANSC 114</td>
<td>Introduction to Animal Sciences</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 223</td>
<td>Introduction to Animal Nutrition</td>
<td>2</td>
</tr>
<tr>
<td>ASM 125</td>
<td>Fabrication &amp; Construction Technology</td>
<td>3</td>
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<tr>
<td>Select one pair from the following:</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>BIOL 111 &amp; BIOL 100L</td>
<td>Concepts of Biology and Non-Majors Biology Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 124 &amp; BIOL 100L</td>
<td>Environmental Science and Non-Majors Biology Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 150 &amp; 150L</td>
<td>General Biology I and General Biology I Laboratory</td>
<td></td>
</tr>
<tr>
<td>EDUC 322</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 451</td>
<td>Instructional Planning, Methods and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>H&amp;CE 232</td>
<td>Philosophy and Policy</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 110</td>
<td>World Food Crops</td>
<td>3</td>
</tr>
<tr>
<td>SOIL 210</td>
<td>Introduction to Soil Science</td>
<td>3</td>
</tr>
<tr>
<td>STAT 330</td>
<td>Introductory Statistics</td>
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<tr>
<td><strong>Select Pathway A or B</strong></td>
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<tr>
<td>Student must select Pathway A or B: A=Teacher Licensure; or B=Training and Development</td>
<td>46-59</td>
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</table>

**Total Credits**

**82-95**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td><strong>Pathway A - Teacher Licensure Required Courses</strong></td>
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<td></td>
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<tr>
<td>ASM or PAG Electives</td>
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<tr>
<td>ANSC Electives (200-400 level)</td>
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<tr>
<td>Select one CHEM pair:</td>
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<tr>
<td>CHEM 117 &amp; 117L</td>
<td>Chemical Concepts and Applications and Chem Concepts and Applications Lab</td>
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<tr>
<td>CHEM 121 &amp; 121L</td>
<td>General Chemistry I and General Chemistry I Laboratory</td>
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<tr>
<td>PLSC 210</td>
<td>Horticulture Science</td>
<td>3</td>
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<td>PLSC 211</td>
<td>Horticulture Science Lab</td>
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<td>PLSC Elective</td>
<td>3</td>
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<tr>
<td>IME 335</td>
<td>Welding Technology</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 321</td>
<td>Introduction to Teaching</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 486</td>
<td>Classroom Management for Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 489</td>
<td>Teaching Students of Diverse Backgrounds</td>
<td>3</td>
</tr>
<tr>
<td>H&amp;CE 444</td>
<td>Planning the Community Program in Agricultural Education</td>
<td>3</td>
</tr>
<tr>
<td>or H&amp;CE 467</td>
<td>Leading Youth Organizations</td>
<td></td>
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<tr>
<td>H&amp;CE 480</td>
<td>Science, Technology, Engineering &amp; Mathematics Teaching Methods in Agricultural Education</td>
<td>3</td>
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<tr>
<td>H&amp;CE 480L</td>
<td>STEM Teaching Methods in Agricultural Education Lab</td>
<td>1</td>
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<tr>
<td>H&amp;CE 481</td>
<td>Methods of Teaching Agriculture</td>
<td>3</td>
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<tr>
<td>H&amp;CE 481L</td>
<td>Methods of Teaching Agriculture Lab</td>
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<tr>
<td>H&amp;CE 483</td>
<td>Student Teaching Seminar</td>
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</table>
Agricultural Education

<table>
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<tr>
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<tr>
<td>H&amp;CE 487</td>
<td>Student Teaching</td>
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<tr>
<td>H&amp;CE 488</td>
<td>Applied Student Teaching</td>
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<td><strong>Total Credits</strong></td>
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**Pathway B - Training and Development Required Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CFS 210</td>
<td>Introduction to Food Science and Technology</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 114</td>
<td>Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 225</td>
<td>Principles of Crop Production</td>
<td>3</td>
</tr>
<tr>
<td>H&amp;CE 444</td>
<td>Planning the Community Program in Agricultural Education</td>
<td>3</td>
</tr>
<tr>
<td>or H&amp;CE 467</td>
<td>Leading Youth Organizations</td>
<td></td>
</tr>
<tr>
<td>H&amp;CE 196</td>
<td>Field Experience</td>
<td>3</td>
</tr>
<tr>
<td>H&amp;CE 445</td>
<td>Designing and Delivering Nonformal Education Programs</td>
<td>3</td>
</tr>
<tr>
<td>H&amp;CE 446</td>
<td>Extension Education</td>
<td>3</td>
</tr>
<tr>
<td>H&amp;CE 496</td>
<td>Field Experience</td>
<td>10</td>
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**AFSNR Area Focus**

Select courses from the following prefixes: AGEC, AGRI, ANSC, ASM, NRM, PLSC, PAG, SOIL, VETS  

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>15-18</td>
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**Total Credits**  

<table>
<thead>
<tr>
<th>Credits</th>
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<tr>
<td>46-49</td>
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</table>

**Degree Requirements and Notes**

- See the Agricultural Education website (https://www.ndsu.edu/programs/undergraduate/agricultural-education/) for admission requirements for the Ag Ed Teacher Certification pathway.

- Courses taken with a Pass/Fail grading basis may not be used to satisfy any degree requirement.

- A grade of ‘C’ or better is required in all required EDUC and H&CE courses.

- To be placed in student teaching, a 2.75 cumulative GPA and a 2.75 GPA in professional education coursework is required.

- To exit the program, a 2.75 cumulative GPA and a 2.75 GPA in professional education coursework is required, as well as completing the Praxis Subject test and the Principles of Learning and Teaching test.