AGRICULTURAL EDUCATION AND COMMUNICATION | AGRICULTURAL EDUCATION

The agricultural education and communication major prepares students for careers in teaching, communication organizations, community and government agencies, and the Cooperative Extension Service.

About this Program

- **College**: Agricultural and Life Sciences
- **Degree**: Bachelor of Science
- **Credits for Degree**: 120
- **Specializations**: Agricultural Education | Communication and Leadership Development
- **Additional Information**
- **Related Agricultural Education and Communication Programs**

To graduate with this major, students must complete all university, college, and major requirements.

Agricultural Education

The agricultural education specialization provides the basic courses for agricultural teacher certification in Florida. Students must have a minimum 2.5 GPA to enter the teacher education specialization and, during their first semester, attain a passing score on the general knowledge portion of the FTCE. An internship is required for this specialization. In addition, graduates must apply to the Florida Department of Education for certification.

This specialization is also offered at the Gulf Coast Research and Education Center in Plant City, Fla.

Related Agricultural Education and Communication Programs

- Combined Degree
- Agricultural Communication minor
- Extension Education minor
- Leadership minor

Critical Tracking records each student’s progress in courses that are required for entry to each major. Please note the critical-tracking requirements below on a per-semester basis.

Equivalent critical-tracking courses as determined by the State of Florida Common Course Prerequisites may be used for transfer students.

Semester 1

- Complete 2 of 4 critical-tracking courses, excluding labs: AEC 3030C (or equivalent), BSC 2005, BSC 2005L (or any GE-B or P laboratory), EDF 3110 (or equivalent) and MAC 1140 (or equivalent)
- 2.5 GPA required for all critical-tracking courses
- 2.5 UF GPA required

Semester 2

- Complete 1 additional critical-tracking course, excluding labs
- 2.5 GPA required for all critical-tracking courses
- 2.5 UF GPA required

Semester 3

- Complete 1 additional critical-tracking course, excluding labs
- 2.5 GPA required for all critical-tracking courses
- 2.5 UF GPA required

Semester 4

- Complete all critical-tracking courses, including labs
- 2.5 GPA required for all critical-tracking courses
- 2.5 UF GPA required

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student’s academic record and scheduling availability of courses. Prerequisites still apply.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
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<tr>
<td>AEB 2014</td>
<td>Economic Issues, Food and You (Gen Ed Social and Behavioral Sciences)</td>
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<td>ECO 2013</td>
<td>Principles of Macroeconomics (Gen Ed Social and Behavioral Sciences)</td>
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<td>Principles of Microeconomics (Gen Ed Social and Behavioral Sciences)</td>
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<td>AEB 3103</td>
<td>Principles of Food and Resource Economics (Gen Ed Social and Behavioral Sciences)</td>
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<tr>
<td>BSC 2005</td>
<td>Biological Sciences (Critical Tracking; State Core Gen Ed Biological and Physical Sciences)</td>
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<td>BSC 2005L</td>
<td>Laboratory in Biological Sciences (Critical Tracking; Gen Ed Biological Sciences)</td>
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<td>Gen Ed Biological or Physical Sciences (Critical Tracking; Laboratory)</td>
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<td>EDF 3110</td>
<td>Human Growth and Development (Critical Tracking)</td>
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<td>EDF 3122</td>
<td>The Young Child (Critical Tracking)</td>
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<td>EDF 3132</td>
<td>The Young Adolescent (Critical Tracking)</td>
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<td>EDF 3135</td>
<td>The Adolescent (Critical Tracking; Gen Ed Social and Behavioral Sciences)</td>
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<td>EDF 3210</td>
<td>Educational Psychology (Critical Tracking; Gen Ed Social and Behavioral Sciences)</td>
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<tr>
<td>Elective</td>
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<td>15-16</td>
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Semester Two

| IUF 1000 | What is the Good Life (Gen Ed Humanities) | 3 |
| MAC 1140 | Precalculus Algebra (Critical Tracking; State Core Gen Ed Mathematics) | 3 |
| Elective | | 3 |
State Core Gen Ed Humanities 3
Gen Ed Biological or Physical Sciences 3

Semester Three
AEC 3030C Effective Oral Communication (Critical Tracking) 3
EDF 2085 Introduction to Diversity for Educators 3
RED 3312 Content Area Literacy 3
Gen Ed Composition 3
STA 2023 Introduction to Statistics 1 (recommended; Gen Ed Mathematics) 3

Credits 15

Semester Four
AEC 3033C Research and Business Writing in Agricultural and Life Sciences (Writing Requirement) 3
Elective 3
Gen Ed Humanities 3
Gen Ed Physical Sciences 3
State Core Gen Ed Social and Behavioral Sciences 3

Credits 15

Semester Five
AEB 3133 Principles of Agribusiness Management 3
AEC 4232 Development and Philosophy of Agricultural Education 3
AEC 4504 Curriculum and Program Planning for Agricultural Education 3
ANS 3006 Introduction to Animal Science 4
& 3006L Introduction to Animal Science Laboratory 1
TSL 4324 ESOL Strategies for Content Area Teachers 3

Credits 16

Semester Six
AEC 4228 Laboratory Practices in Teaching Agricultural Education 3
Select one:
ENY 3005 Principles of Entomology & 3005L Principles of Entomology Laboratory 3
IPM 3222 Fundamentals of Pest Management 3
ENY 3030C Insect Field Biology 3
ENY 3007C Life Science 3
ENY 4161 Insect Classification 3
SWS 3022 Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory 4

Agricultural or life sciences elective 3
Horticulture or plant science elective 3

Credits 16

Semester Seven
AEC 4200 Teaching Methods in Agricultural Education 3
AEC 4202 Curriculum Development and Assessment Techniques in Emerging Agricultural Technologies 3
ADM 3220 Agricultural Construction and Maintenance 3
Agricultural or life sciences electives 7

Credits 16

Semester Eight
AEC 4224 Special Methods in Teaching Agricultural Education 3
AEC 4942 Agricultural Education Internship 9

Credits 12

Total Credits 120

Total agricultural or life sciences courses required: 30 credits in at least four areas.

Students will learn the knowledge and skills needed to educate individuals, enhance leadership in communities and organizations and communicate ideas and issues to different audiences. Through formal courses and internship experiences, students will learn to apply principles of communication and educational theory to work-based settings; to create, interpret and analyze written and oral messages and multimedia presentations used in agricultural and life sciences; and to educate and communicate agricultural issues effectively to various audiences.

Before Graduating Students Must

• Agricultural education specialization: Achieve a passing grade on the state of Florida's Professional Knowledge Exam for teacher certification.
• Communication and leadership development specialization: Achieve a minimum grade of C in AEC 4052, the communication and leadership development capstone experience, as evaluated by a committee of faculty.
• Achieve minimum grades of C in AEC 3030C and AEC 3033C.
• Achieve a minimum grade of C in a department internship course (AEC 4942, AEC 4943, AEC 4944 or AEC 4948) or a capstone experience course (AEC 4052).
• Complete requirements for the baccalaureate degree, as determined by faculty.

Students Will Learn to
Student Learning Outcomes (SLOs)

Content
1. Describe, explain and apply fundamental pedagogical concepts, skills and processes.
2. Describe, explain and apply fundamental concepts, skills and processes in technical agriculture.

Critical Thinking
3. Analyze and apply data from multiple assessments and measures to diagnose students' learning needs, inform instruction based on those needs and drive the learning process.
4. Critique and assess data-informed research to improve instruction and student achievement.

Communication
5. Demonstrate written communication forms in a manner appropriate in agricultural education.
6. Develop oral communication presentations in a manner appropriate in agricultural education.

Curriculum Map

<table>
<thead>
<tr>
<th>I = Introduced; R = Reinforced; A = Assessed</th>
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<tbody>
<tr>
<td>Courses</td>
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<tr>
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</tr>
<tr>
<td>AEC 3030C</td>
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<td>AEC 3033</td>
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<tr>
<td>AEC 3323</td>
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<tr>
<td>AEC 4200</td>
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<td>AEC 4202</td>
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<tr>
<td>AEC 4224</td>
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<tr>
<td>AEC 4228</td>
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Credits 120
### Assessment Types

- Technical agriculture coursework
- Clinical teaching and community profile assignments
- Exams
- Self-assessment
- Florida Department of Education professional teaching certification exam
- Florida Department of Education Agriculture Subject Matter exam