

## Bachelor of Science in Agriculture Major: Agriscience Education

*Agriscience Education combines the science of agriculture and the science of teaching and learning to prepare students for careers in agricultural education. This major is designed to lead to initial teacher licensure in Ohio, allowing students to develop technical agriculture content knowledge and pedagogical knowledge to apply for certification in Career Technical Education-Agriscience 4-12. Students completing this program earn the degree Bachelor of Science in Agriculture and complete 121 hours outlined as follows.*

General Education Requirements		
Requirement	Course Options	Hours
GE Launch Seminar	<b>GENED 1201</b>	1
Writing and Information Literacy	Major requirement: <b>ENGLISH 1110</b> *	3
Mathematical & Quantitative Reasoning/Data Analysis	Major requirement: <b>MATH 1130 or 1148</b> * (or Student Choice – see below)	4
Literary, Visual and Performing Arts	<b>Student Choice</b>	3
Historical & Cultural Studies	Major requirement: <b>COMLDR 3535</b> * (or Student Choice – see below)	3
Natural Science	Major requirement: <b>ENTMLGY 1101, BIOLOGY 1101 or 1113</b> * (or Student Choice – see below)	4
Social & Behavioral Sciences	Major requirement: <b>AEDECON 2001 or ECON 2001.01</b> * (or Student Choice – see below)	3
Race, Ethnic and Gender Diversity	<b>Student Choice</b>	3
Theme: <b>Citizenship for a Diverse &amp; Just World</b> <sup>a</sup>	<b>Student Choice</b>	4-6
Theme: <b>Student Choice</b> <sup>a</sup>	<b>Student Choice</b>	4-6
GE Reflection	<b>GENED 4001</b>	1
<b>General Education Credit Hours:</b>		<b>33-37</b> *

\* Indicates a pre/corequisite course for this major that also satisfies this GE category. If a student makes an alternative selection in this GE category, **they must also complete this course.**

B.S. in Agriculture Degree Requirements		
Requirement	Course Options	Hours
College & Department Survey	<b>FAES 1100 (0.5) &amp; COMLDR 1100 (0.5)</b>	1
Oral Expression	<b>AGRCOMM 3130 or COMM 2110</b>	3
Additional Science	<b>ENR 2100</b>	3
Internship	<b>FAES 3191 &amp; ASE 2189</b>	1
Minor <sup>b</sup>	<b>Production Agriculture</b> (see requirements on pg. 2)	16
<b>Credit Hours:</b>		<b>24</b>

Major Supporting Courses		
Course	Title	Hours
<b>PSYCH 1100</b>	Introduction to Psychology	3
<b>CHEM 1110 or 1210</b>	Elementary Chemistry or General Chemistry I	5

Major Coursework		
Course	Title	Hours
<b>ANIMSCI 2200.02</b>	Introductory Animal Sciences Laboratory	1
<b>HCS 2201 -or-</b>	Ecology of Managed Plant Systems	4
<b>HCS 2204 &amp; HCS 2205</b>	Ecology of Managed Plant Systems ❖ (3)	
	Ecology of Managed Plant Systems Lab (1)	
<b>ESEPSY 2309</b>	Psychological Perspectives on Education	3
<b>AGRCOMM 2330</b>	Perceptions of Agricultural and Environmental Issues ❖	4
<b>COMLDR 2530</b>	Introduction to Agricultural Communication, Education, and Leadership	2
<b>COMLDR 3537</b>	Data Analysis in the Applied Sciences	3
<b>ASE 4189</b>	Context-Based Learning in Agriscience Education1	1
<b>ASE 4220</b>	Methods of Teaching Agriscience Education I	3
<b>ASE 5210</b>	Youth Development and Experiential Learning in Agriscience Education	2
<b>ASE 5220</b>	Methods of Teaching Agriscience Education II	3
<b>ASE 5255</b>	Program Planning in Agriscience Education	2
<b>ASE 5280</b>	Internship in Agriscience Education	4
<b>ASE 5281</b>	Capstone in Agriscience Education	4
<b>ASE 5282</b>	Evaluation in Agriscience Education	4
<b>EDUTL 5442</b>	Teaching Reading Across the Curriculum	3
<b>ESSPED 2251</b>	Introduction to the Special Education Profession	3
Required FAES Content Electives: Select 6 hours from list on pg. 2		6
<b>Credit Hours:</b>		<b>52</b>

General Education	<b>33-37</b>
Degree Requirements & Minor	<b>24</b>
Major Supporting Courses	<b>8</b>
Major	<b>52</b>
Open Electives	<b>0-4</b>
<b>Minimum Total Credit Hours</b>	<b>121</b>

<sup>a</sup> Students complete either a 4-credit course or two 3-credit courses in each of two General Education Theme areas: Citizenship for a Diverse & Just World (required), and the student's choice of available GE Themes. If any major-required courses are identified as a GE Theme course, one course in each GE Theme area may double count in the GE and major hours. Theme courses are identified with a ❖ symbol.

<sup>b</sup> Students in this program must complete a minor in Production Agriculture, required for licensure.

<sup>c</sup> Review prerequisites.

Required FAES Content Electives: Select 6 hours from the following:		
Course	Title	Hours
AGSYSMGT 2241	Building Materials and Construction in Agriculture	3
AGSYMGT 5600	Agricultural Safety and Health	3
ANIMSCI 2400.05	Human and Animal Interactions	2
COMLDR 3530	Foundations of Personal and Professional Leadership	3
ENR 2300	Society and Natural Resources	3
ENR 3000	Soil Science	3
ENR 3300	Introduction to Forestry, Fisheries, and Wildlife	3
XXX 3797 or 5797	FAES Study Abroad	variable
FDSCTE 1110	Chocolate Science	1
FDSCTE 1120	Wine and Beer in Western Culture	2
FDSCTE 1140	Kitchen Science	2
FDSCTE 2400	Introduction to Food Processing	3
HCS 3100	Introduction to Agronomy	3
HCS 3521	Greenhouse Systems and Management	2
ENGTECH 2011T* *Wooster Campus Only	Small Engines Basics	4

Production Agriculture Minor Requirements (16 hours)		
Course	Title	Hours
AEDECON 3101	Principles of Agribusiness Management	3
AGSYSMGT 2240	Basic Metal Fabrication for Agriculture	3
AGSYSMGT 4300	Engineering Applications in Agriculture	4
ANIMSCI 2200.01	Introductory Animal Sciences	3
ANIMSCI 3110 / MEATSCI 3110	Introductory Meat Science	3

#### **Policies and General Requirements for Degree**

- A minimum of 121 total credit hours. Remedial coursework (English 1109; EDUTL 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1010; Mathematics 1040, 1050, 1073, 1074, 1075) do not count toward the 121-hour minimum requirement for the BS degree.
- A minimum of 30 semester hours of credit earned through regular course enrollment at this University, and regular course enrollment in the last semester in the College of Food, Agricultural, and Environmental Sciences.
- A cumulative point-hour ratio of at least 2.00 on all coursework completed at The Ohio State University as well as at least a 2.00 in the major.
- If a major-required course or major elective is a GE Theme course, two 3-4 cr courses (no more than one per theme area) is permitted to double count in the GE and major hours. GE Theme courses are indicated with a ❖ symbol.
- Students are encouraged to participate in education abroad opportunities. Consult with your advisor for how education abroad credit applies to your degree or consider the CFAES Global Option.
- Students must complete a minimum of 40 hours in major/major supporting coursework with at least 12 hours taken from the academic unit(s) offering the major at OSU in the baccalaureate program.
- Courses required in the major (including major supporting courses and major electives) may not be taken pass/non-pass.
- Coursework taken as open electives may include a maximum of 4 credit hours of physical activity courses (all 1139-1197 courses), and a maximum of 4 credit hours of campus music organizations.
- A college maximum of six hours of individual studies courses (x193) can be applied toward graduation; some majors may have a lower maximum.
- Students of CFAES must complete an internship of 1-2 hours as a requirement for degree. Any additional internship credit hours may count towards major hours (consult with your advisor). A college maximum of six hours of internship credit can be applied toward graduation; some majors may have a lower maximum.
- A maximum of three credits of 3488 can be applied toward graduation although some majors may have a lower maximum. A cumulative point-hour ratio of 2.0 is required to register for 3488 credit.
- Credit hours for 4999 ("with Research Distinction") and 4999H ("with Honors Research Distinction") are repeatable to maximum of six hours.
- **An application for degree must be submitted online at least two semesters prior to the intended graduation term. Application found at: <https://students.cfaes.ohio-state.edu/academics/undergraduate/graduation>**

#### **Policies and General Requirements for Minors/Minor Equivalent**

- The minor/minor equivalent must contain a minimum of 12 credit hours distinct from the major and/or additional minors (i.e., if a minor requires more than 12 credit hours, a student is permitted to overlap those hours beyond 12 with the major or with another minor).
- A 2.00 cumulative point-hour ratio is required in the minor/minor equivalent with a minimum C- grade for any course to be listed in the minor or minor equivalent (includes transfer credit).
- For programs requiring a minor: minors should be declared by the time students complete 60 hours.
- A student is permitted to count up to 6 credit-hours of transfer and/or EM credit in the minor or minor equivalent.
- Coursework graded Pass/Non-Pass cannot count in the minor. No more than 3 credit-hours of course work graded S/U may count toward the minor. Maximum of 3 credit-hours of xx93 are allowed to count in the minor.

**4-Year Course Plan  
B.S. in Agriculture  
Major: Agriscience Education**

This model plan of study is presented as a suggested path to graduate in four years. It is intended to be a useful guide; however, each student is unique and should review the Degree Requirements for their catalog year and work with their advisor to develop an individualized course plan that best fits their personal academic background and goals.

NOTE: This sheet should not be used in isolation. To graduate in a timely manner, students must consult their academic advisor on a regular basis.

<b>Freshman Year</b>	<b>Autumn Semester</b>			<b>Spring Semester</b>		
<b>Benchmarks</b>	<b>Course/Requirement</b>	<b>Course Name</b>	<b>Hours</b>	<b>Course/Requirement</b>	<b>Course Name</b>	<b>Hours</b>
-Complete Math requirement -Complete at least one science -Complete English 1110.01 -Complete COMLDR 2530	FAES 1100	College Survey	5	GE Nat Sci: BIOLOGY 1101 <sup>a</sup>	Intro Biology	4
	COMLDR 1100	Dept Survey	5	PSYCH 1100	Intro to Psychology	3
	GE Math: MATH 1148 <sup>a</sup>	College Algebra	4	AGRCOMM 3130	Oral Expression	3
	GE WIL: ENGLISH 1110	First-Year English Comp.	3	GE SBS: AEDECON 2001	Prin. of Food & Res. Econ.	3
	ANIMSCI 2200.01	Introductory Animal Sciences	3	GENED 1201	GE Launch Seminar	1
	ANIMSCI 2200.02	Animal Sciences Lab	1	GE Lit, Vis and Perf Arts		3
	COMLDR 2530	Intro to Ag. Comm, Education, and Leadership	2			
<b>Hours: 31</b>		<b>Total:</b>	<b>14</b>		<b>Total:</b>	<b>17</b>
<b>Sophomore Year</b>	<b>Autumn Semester</b>			<b>Spring Semester</b>		
<b>Benchmarks</b>	<b>Course/Requirement</b>	<b>Course Name</b>	<b>Hours</b>	<b>Course/Requirement</b>	<b>Course Name</b>	<b>Hours</b>
-Declare minor -Complete three science courses by the end of this year -Complete Early Field Experience internship (ASE 2189)	CHEM 1110 <sup>a</sup>	Elementary Chemistry	5	FAES Elective		3
	ASE 2189 (& FAES 3191)	Early Exp. in Ag. Ed.	1	ENR 2100	Intro to Env. Science	3
	ESEPSY 2309	Psych Perspectives in Education	3	GE R.E. & G. Diversity		3
	COMMLDR 3537	Data Analysis	3	ANIMSCI/MEATSCI 3110	Introductory Meat Science	3
	GE Theme Course #1: AGRCOMM 2330 <sup>b</sup>	Perceptions of Ag and Env Issues ❖	4	AGSYSMT 2240	Basic Metal Fab. For Ag	3
<b>Hours: 62</b>		<b>Total:</b>	<b>16</b>		<b>Total:</b>	<b>15</b>
<b>Junior Year</b>	<b>Autumn Semester</b>			<b>Spring Semester</b>		
<b>Benchmarks</b>	<b>Course/Requirement</b>	<b>Course Name</b>	<b>Hours</b>	<b>Course/Requirement</b>	<b>Course Name</b>	<b>Hours</b>
-Apply to graduate -Half of major hours to be completed by the end of the year -Complete ASE 4220 -Complete AGSYSMT 4300 -Complete ASE 5210	ASE 4220	Methods of Teaching Agriscience Education I	3	Open Elective (or GE Theme Choice #2) <sup>a</sup>		3
	HCS 2204 & 05 <sup>a</sup>	Ecology of Managed Plant Systems	4	GE Hist. & Cultural Studies: COMLDR 3535	Toward Cultural Proficiency	3
	GE Citizenship #1 <sup>b</sup>		3-4	EDUTL 5442	Teaching Reading Across Curriculum	3
	AGSYSMT 4300	Eng. Applications in Ag.	4	ASE 5210	Youth Dev. And Experiential Learning in Ag. Education	2
	Open Elective		2	GE Citizenship #2 <sup>b</sup> (or Open Elective)		3
<b>Hours: 92</b>		<b>Total:</b>	<b>16</b>		<b>Total:</b>	<b>14</b>
<b>Senior Year</b>	<b>Autumn Semester</b>			<b>Spring Semester</b>		
<b>Benchmarks</b>	<b>Course/Requirement</b>	<b>Course Name</b>	<b>Hours</b>	<b>Course/Requirement</b>	<b>Course Name</b>	<b>Hours</b>
-Meet graduation requirements -Meet with a Career Services Advisor -Complete ASE 4189 -Complete ASE 5220 -Complete Student Teaching internship	ASE 4189	Context-Based Learning in Agriscience Ed.	1	ASE 5280	Internship in Agriscience Ed.	4
	ASE 5220	Methods of Teaching Agriscience Ed. II	3	ASE 5281	Capstone in Agriscience Ed.	4
	ESSPED 2251	Intro to Special Education Profession	3	ASE 5282	Evaluation in Agriscience Ed.	4
	FAES Elective		3	ASE 5255	Program Planning in Agriscience Ed.	2
	GENED 4001	GE Reflection Seminar	1			
	AEDECON 3101	Prin. of Agribus Mgt	3			
<b>Hours: 92</b>		<b>Total:</b>	<b>14</b>		<b>Total:</b>	<b>16</b>

**Minimum credit hours for Bachelor of Science Degree: 121**

<sup>a</sup> One possible course from approved GE list or major requirement that has multiple options, as outlined in corresponding Degree Requirements document.

<sup>b</sup> Students complete either a 4-credit course or two 3-credit courses in each of two General Education Theme areas: Citizenship for a Diverse & Just World (required), and the student's choice of available GE Themes. If any major-required courses are identified as a GE Theme course, one course in each GE Theme area may double count in the GE and major hours. Theme courses are identified with a ❖ symbol.

## 4-Year Completion Checklist

Freshman Year	Autumn Semester			Spring Semester		
<b>Benchmarks</b>	<b>Course/Requirement</b>	✓		<b>Course/Requirement</b>		✓
<input type="checkbox"/> Complete Math requirement	FAES 1100					
<input type="checkbox"/> Complete at least one science	COMLDR 1100					
<input type="checkbox"/> Complete English 1110.01	COMLDR 2530					
<input type="checkbox"/> Complete COMLDR 2530						
Hours: _____	Notes:			Notes:		
Sophomore Year	Autumn Semester			Spring Semester		
<b>Benchmarks</b>	<b>Course/Requirement</b>	✓		<b>Course/Requirement</b>		✓
<input type="checkbox"/> Declare minor	ASE 2189					
<input type="checkbox"/> Complete 3 sciences by end of this year						
<input type="checkbox"/> Complete Early Field Experience internship (ASE 2189)						
Hours: _____	Notes:			Notes:		
Junior Year	Autumn Semester			Spring Semester		
<b>Benchmarks</b>	<b>Course/Requirement</b>	✓		<b>Course/Requirement</b>		✓
<input type="checkbox"/> Apply to graduate	ASE 4220			ASE 5210		
<input type="checkbox"/> Half of major hours to be completed by the end of the year	AGSYSMGT 4300					
<input type="checkbox"/> Complete ASE 4220						
<input type="checkbox"/> Complete AGSYSMGT 4300						
<input type="checkbox"/> Complete ASE 5210						
Hours: _____	Notes:			Notes:		
Senior Year	Autumn Semester			Spring Semester		
<b>Benchmarks</b>	<b>Course/Requirement</b>	✓		<b>Course/Requirement</b>		✓
<input type="checkbox"/> Meet graduation requirements	ASE 4189			ASE 5280		
<input type="checkbox"/> Meet with a Career Services Advisor	ASE 5220			ASE 5281		
<input type="checkbox"/> Complete ASE 4189 Experience course				ASE 5282		
<input type="checkbox"/> Complete ASE 5220				ASE 5255		
<input type="checkbox"/> Complete Student Teaching internship						
Hours: _____	Notes:			Notes:		

Minimum credit hours for Bachelor of Science Degree: 121