

From: [Osborne, Jeanne](#)
To: [Smith, Randy](#)
Cc: [Reed, Katie](#); [Meadows, Kendyl](#); [Violet, Cynthia A.](#); [Roe, Brian](#); [Neal, Steve](#); [Specht, Annie](#); [Filson, Caryn](#)
Subject: Requesting CAA Approval for ACEL Agriscience Education (ASE) Major Revision
Date: Thursday, January 24, 2019 2:30:46 PM
Attachments: [image001.png](#)
[ASE-BS, AU 2019 Combined Files.pdf](#)

Dear Dr. Smith,

The College of Food, Agricultural, and Environmental Sciences is requesting Council on Academic Affairs approval for revisions to the Agriscience Education major as outlined in the attached document. We are requesting that these changes be made effective Autumn 2019.

The faculty in the Agriscience Education program within the Department of Agricultural Communication, Education, and Leadership propose these changes in response to student and alumni feedback that was provided as part of their department strategic planning process. The feedback was carefully analyzed in the context of updates in the licensure requirements for the program and in consult with the College of Education and Human Ecology Office of Educator Preparation; the resultant proposed curriculum reflects this process. Proposed changes to the major include introduction of new courses and course changes (outlined in detail on the cover letter provided as part of this proposal), as well as changes in the selection of required and elective courses within the major. These changes more closely align the program with the needs of students to access courses in a logical sequence and gain licensure upon completion of the program. While there is no net change on credits required for the degree, there was an increase in credits required in the major (from 36 to 39), which was accommodated by an adjustment in the GE requirement (from 53-55 to 53), a decrease in the required elective credits (from 13-15 to 6) and a reduction in the credits for the minor (from 16 to 15). With this change, 7 credits of free electives was added to the major.

All the necessary new course and course changes have already been approved by the college and in curriculum.osu.edu. This proposal has been approved by the Department of Agricultural Communication, Education, and Leadership and by the College Academic Affairs Committee. Please let me know if any additional information is needed in support of this request.

Sincerely,

Jeanne



Jeanne M. Osborne

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January 23, 2019

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Jeanne Osborne
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Dear Assistant Dean Osborne,

In response to student and alumni feedback on the Agriscience Education (ASE) curriculum, provided as part of our department strategic-planning process in 2015-16, the ASE faculty would like to propose a number of changes to our program. A summary and more detailed explanation of these changes may be found below.

OVERVIEW OF ASE CURRICULUM CHANGES

- PHYSICS 1103 or 1200 removed; replaced by ENR 2100 (open option #1)
- Culture and Ideas removed ASE 5797 option
- COMLDR 3530 removed from major requirements; replaced in list of elective options
- AGRCOMM 5530 removed
- ASE 5230 removed
- ASE 4220 created
- ASE 5220 created
- ASE 5231 removed; replaced by ASE 5210
- ASM 5533 removed
- ESEPSY 2309 added to major requirements
- EDUTL 5442 added to major requirements
- ESSPED 5650 added to major requirements
- ANIMSCI 2200.02 added to major requirements
- HCS 2201 added to major requirements
- AGSYSMGT 2240 added to minor requirements
- ANIMSCI 3110 added to minor requirements
- ENR 3000 removed from minor requirements; replaced in list of elective options
- HCS 2200 removed from minor requirements
- HCS 3100, HCS 3521, ENR 2300, ENR 3000, ENR 3300, FDSCT 1110, FDSCT 1120, FDSCT 1140, FDSCT 2400, ANIMSCI 2400.05, AGSYSMGT 2241, AGSYSMGT 5600, COMLDR 3530, CFAES study abroad XX3797 or xx 5797 added to list of FAES content elective options

- Number of credit hours in the major changed from 36 to 39
- Number of elective credits required in the Production Agriculture minor reduced from 16 to 15
- Number of required content elective credits changed from 8 to 6
- Number of free elective credits changed to 7

PROPOSED NEW COURSES

ASE 4220: Methods of Teaching Agriscience I (added)

In the Agriscience Education major and for initial licensure requirements in Ohio, students are required to take a Methods course specific to the content they will be teaching. Developing a junior level (ASE 4220, Methods I) and senior level (ASE 5220, Methods II) course will allow Agriscience Education students more in-depth content regarding pedagogical knowledge and application of teaching theory and practices in the K-12 classroom. ASE 4220, Methods I, will focus on theories of teaching and learning, introductory teaching methods and strategies, overview of the lesson planning process, locating resources and curriculum, aligning standards and objectives, and assessment of learning.

ASE 5220: Methods of Teaching Agriscience II (added)

ASE 5220, Methods II, will focus instruction on engaging K-12 learners in higher levels of thinking and metacognition, cross-walking curriculum to core standards, student-centered teaching methods and strategies, classroom management, behavior management, integrating technology in the classroom, pacing calendars, and curriculum mapping. Through two Methods courses, Agriscience Education students will have the opportunity to delve deeper into the pedagogical content and apply concepts as they are appropriate to their development in the teacher preparation program.

ASE 5210: Youth Development and Experiential Learning in Agriscience Education (added)

In the current ASE curriculum, students learn about experiential learning opportunities and development through ASE 5231. Although the new course, ASE 5210 is similar in content, the facilitation of the two courses is different, thus prompting a new course to be created. Youth Development and Experiential Learning in Agriscience Education is a newly designed course to replace ASE 5231. With the changes to the Methods courses and field experiences, an overhaul of the previous ASE 5231 course content and curriculum was warranted for the new proposed model. ASE 5210 will focus more on the theory and practical application of positive youth development and experiential learning opportunities in K-12 Agriscience Education programs, including but not limited to SAE programs and participation in the National FFA Organization. This new course is also modeled to better align and compliment ASE 4189, which is a field experience course that will be more directly sequenced with FFA and SAE programs in schools.

PROPOSED COURSE CHANGES, REQUIREMENT CHANGES, OR COURSE REMOVALS

PHYSICS 1103 or 1200 (removed); Replaced by ENR 2100 (added)

It is proposed that Physics 1103 or 1200 is removed as a natural science requirement in the updated ASE curriculum. Physics was once a prerequisite for other required courses in the Agriscience Education curriculum. Being that it is no longer a prerequisite for required courses, it is proposed that **ENR 2100**, (Introduction to Environmental Science) be inserted as a natural science requirement. **ENR 2100** will provide Agriscience Education students content in environmental sciences, as well as provide a more applied practical introduction to soil science which is taught within the course content.

ASE 5230: Methods of Teaching in Agriscience Education (removed)

This course has been an essential component and licensure requirement in the Agriscience Education program as it teaches students the methodologies and strategies of teaching in a classroom. However, research indicates that students better understand the practical application behind teaching methods when it is developmentally presented to them and applied with experiential learning opportunities over the span of a degree program. As such, to replace 5230, two new courses are proposed: ASE 4220, Methods of Teaching Agriscience I and ASE 5220, Methods of Teaching Agriscience II. Developing a junior level (ASE 4220, Methods I) and senior level (ASE 5220, Methods II) course will allow Agriscience Education students more in-depth content regarding pedagogical knowledge and application for teaching theory and practices in the K-12 classroom.

ASE 5231: Experiential Learning in Agriscience (removed)

This course is being updated and proposed as a new course, ASE 5210, Youth Development and Experiential Learning in Agriscience Education. ASE 5231 was designed to support the existing curriculum and would not have transferred into the proposed curriculum seamlessly, nor appropriately to support the development of the preservice teachers.

ASM 5533: Laboratory Pedagogy (removed)

Through a mutual agreement with the Department of Agricultural Systems Management, the ASM 5533 course will no longer be offered for students in ASE major after autumn semester 2019. The content of laboratory pedagogy will be distributed throughout the two new proposed Methods courses (ASE 4220 and ASE 5220).

ESEPSY 2309, EDUTL 5442, ESSPED 5650: Courses in College of Education (previously existing requirements, now designated as “major courses”)

There are three required courses for initial teacher licensure in the state of Ohio that all preservice teachers must successfully complete: ESEPSY 2309, EDUTL 5442, and ESSPED 5650. As such, the three courses were moved to be included in the major requirements as they are deemed critical components of the Agriscience Education program.

ANIMSCI 2200.02 and HCS 2201 as Major Requirements (previously existing requirements, now designated as “major courses”)

To accommodate content that is critical to a future agriscience education teacher, but does not apply to the Production Agriculture minor, these courses are included in the major requirements. The ANIMSCI 2200.02 lab compliments the ANIMSCI 2200.01 lecture, which is a requirement in the Production Agriculture minor. The HCS 2201 course provides horticulture and plant science content in the curriculum but is also not a course found on the minor sheet.

Number of Major Credits

With the proposed changes, the number of overall credits for the ASE major is increased from 36 to 39. Changes in the Agriscience Education major courses reflect the addition of the education foundation requirements needed for initial teacher licensure in Ohio; and technical agricultural content through the College of Food, Agricultural, and Environmental Sciences (FAES).

Changes to the required minor courses: AGSYSMGT 2240 (added) and ANIMSCI 3110 (added)

The Production Agriculture minor is required for all Agriscience Education majors. The content found in the required minor courses provide a breadth of content areas in technical agriculture content that is needed for initial teacher licensure in Ohio. The courses identified as ‘required’ in the Production Agriculture minor support the content areas that student will find on the Ohio Assessment for Educators (OAE) content test for licensure. Therefore, courses required in the minor have been changed to better

meet the needs of students applying for licensure. ENR 3000, Soil Science, will no longer be a minor requirement; ENR 2100 listed as a major requirement, will embed soil content within the course objectives. Additionally, HCS 2200 is removed from the minor requirements after conversations with HCS faculty who identified HCS 2201 as a more practical application of course content for agriscience educators. AGSYSMGY 2240 (metal fabrication) and ANIMSCI 3110 (introduction to meat science) have been added to the list of required minor courses to expand the scope of content for ASE students.

FAES Elective Content Options: (added)

The required elective FAES content is coursework to support and enhance the technical content knowledge needed to be licensed Agriscience teachers in the state of Ohio. Providing a menu list of options allows students to customize coursework to meet their individual needs to provide opportunities for growth and specialization in across the agricultural content area.

The proposed changes have been discussed with and supported by faculty and leadership of the College of Education Office of Educator Preparation.

Thank you for your consideration.

Respectfully,

A handwritten signature in black ink, appearing to read "Caryn Filson", with a stylized flourish at the end.

Caryn Filson

Assistant Professor and Program Coordinator, Agriscience Education

All students must complete two Global Issues courses in the GE (▲). All students must complete a Social Diversity requirement in the GE, which can be done by completing Rural Sociology 1500 or Sociology 1101.

FAES 1100 and Department Seminar	.5, .5	Social Science 1 (RURLSOC 1500 or SOCIOL 1101)	3
Writing Level 1 (1110)	3	Social Science 2 (AEDECON 2001 or ECON 2001)	3
Writing Level 2 (Agr Comm 2367) or see approved CFAES list	3	Option #1 PSYCH 1100	3
Agr Comm 3130 or Comm 2110	3	Historical Study (see approved CFAES list)	3
Math 1148	4	Culture & Ideas (COMLDR 3535 or ASE 5797)	3
Data Analysis (COMLDR 3537)	3	Literature (see approved CFAES list)	3
Biological Science (ENTMLGY 1101 or Bio 1101 or 1113)	4	Art (See approved CFAES list)	3
Physics 1103 or 1200	3-5	Contemporary Issues (See approved CFAES list 4597)	3
Chemistry 1110 or 1210	5		
TOTAL GE			53- 55
Internship (Early Field Experience): ASE 2189			1
Major (See requirements below)			36
Minor: Production Agriculture			16
Electives: Required: ESEPSY 2309 (3), EDUTL 5442 (3), ANIMSCI 2200.02 (1), ENR 3001 (1)			13-15
TOTAL CREDIT HOURS			121

MAJOR REQUIREMENTS **36**

COMLDR 2530	Introduction to Agr Communication, Education, & Leadership	2
COMLDR 3530	Foundations of Personal and Professional Leadership	3
ESSPED 5650	Introduction to Exceptional Children	3
Block		
AGRCOMM 5530	Advanced Agricultural Communication Technology	3
ASE 4189	Context-Based Learning in Agriscience Education	2
ASE 5230	Methods of Teaching in Agriscience Education	3
ASE 5231	Experiential Learning in Agriscience Education	2
ASM 5533	Laboratory Pedagogy	4
Student Teaching		
ASE 5280	Internship in Agriscience Education	4
ASE 5281	Capstone in Agriscience Education	4
ASE 5282	Evaluation in Agriscience Education	4
ASE 5255	Program Planning in Agriscience Education	2

MINOR REQUIREMENTS: Production Agriculture **16**

REQUIRED FOR LICENSURE		
AGSYSMT 4300	Engineering Applications in Agriculture	4
ANIMSCI 2200.01	Introductory Animal Sciences	3
AEDECON 3101	Principles of Agribusiness Management	3
ENR 3000	Soil Science	3
H&CS 2200	Science of Sustainable Plant Production	3

All students must complete two Global Issues courses in the GE (▲). All students must complete a Social Diversity requirement in the GE, which can be done by completing Rural Sociology 1500 or Sociology 1101.

FAES 1100 and Department Seminar	.5, .5	Social Science 1 (RURLSOC 1500 or SOCIOL 1101)	3
Writing Level 1 (1110)	3	Social Science 2 (AEDECON 2001 or ECON 2001)	3
Writing Level 2 (Agr Comm 2367 or see approved CFAES list)	3	Social Science open option #2 PSYCH 1100	3
Agr Comm 3130 or Comm 2110	3	Historical Study (see approved CFAES list)	3
Math 1148	4	Culture & Ideas (COMLDR 3535 or ASE 5797)	3
Data Analysis (COMLDR 3537)	3	Literature (see approved CFAES list)	3
Biological Science (ENTMLGY 1101 or Bio 1101 or 1113)	4	Art (See approved CFAES list)	3
Physics 1103 or 1200	3-5	Contemporary Issues (See approved CFAES list 4597)	3
Chemistry 1110 or 1210	5		
Additional Natural Science open option #1 (ENR 2100)	3	TOTAL GE	53-55
		Internship (Early Field Experience): ASE 2189	1
		Major (See requirements below)	36 39
		Minor: Production Agriculture	16 15
		Electives: Required: ESEPSY 2309 (3), EDUTL 5442 (3),	
		ANIMSCI 2200.02 (1), ENR 3001 (1)	13-15
		Required FAES Content Electives (choose 6 hours)	6
		AGSYSMT 2241 (3), AGSYSMT 5600 (3), ANIMSCI 2400.05 (2),	
		COMLDR 3530 (3), ENR 2300 (3), ENR 3000 (3), ENR 3300 (3),	
		FAES Study Abroad XX3797 or XX5797, FDSCTE 1110 (1), FDSCTE	
		1120 (2), FDSCTE 1140 (2), FDSCTE 2400 (3), HCS 3100 (3), HCS	
		3521 (2)	
		Free Electives	7
		TOTAL CREDIT HOURS	121

MAJOR REQUIREMENTS

~~36-39~~

COMLDR 2530	Introduction to Agr Communication, Education, & Leadership	2
COMLDR 3530	Foundations of Personal and Professional Leadership	3
ESSPED 5650	Introduction to Exceptional Children	3
Block		
AGRCOMM 5530	Advanced Agricultural Communication Technology	3
ASE 4189	Context-Based Learning in Agriscience Education	2
ASE 4220	Methods of Teaching Agriscience Education I	3
ASE 5230	Methods of Teaching in Agriscience Education	3
ASE 5220	Methods of Teaching Agriscience Education II	3
ASE 5231-ASE 5210	Youth Development and Experiential Learning in Agriscience Education	2
ASM 5533	Laboratory Pedagogy	4
ESEPSY 2309	Psychological Perspectives on Education	3
EDUTL 5442	Teaching Reading Across the Curriculum	3
ESSPED 5650	Introduction to Exceptional Children	3
ANIMSCI 2200.02	Introductory Animal Sciences Laboratory	1
HCS 2201	Ecology of Managed Plant Systems	4

Student Teaching		
ASE 5280	Internship in Agriscience Education	4
ASE 5281	Capstone in Agriscience Education	4
ASE 5282	Evaluation in Agriscience Education	4
ASE 5255	Program Planning in Agriscience Education	2

MINOR REQUIREMENTS: Production Agriculture **—16 15**

(REQUIRED FOR LICENSURE)

AGSYSMT 4300	Engineering Applications in Agriculture	4
ANIMSCI 2200.01	Introductory Animal Sciences	3
AEDECON 3101	Principles of Agribusiness Management	3
ENR 3000	Soil Science	3
H&CS 2200	Science of Sustainable Plant Production	3
ANIMSCI 3110	Introductory Meat Science	3
AGSYSMT 2240	Basic Metal Fabrication for Agriculture	3

All students must complete two Global Issues courses in the GE (▲). All students must complete a Social Diversity requirement in the GE, which can be done by completing Rural Sociology 1500 or Sociology 1101.

FAES 1100 and Department Seminar	.5, .5	Social Science 1(RURLSOC 1500 or SOCIOL 1101)	3
Writing Level 1 (1110)	3	Social Science 2 (AEDECON 2001 or ECON 2001)	3
Writing Level 2 (AgrComm 2367 or see approved CFAES list)	3	Social Science Open Option #2 (PSYCH 1100)	3
AGRCOMM 3130 or COMM 2110	3	Historical Study (See Approved CFAES GE List)	3
MATH 1148	4	Culture & Ideas or Historical Study (COMLDR 3535)	3
Data Analysis (COMLDR 3537)	3	Literature (See Approved CFAES GE List)	3
Biological Science (ENTMLGY 1101 or BIO 1101 or 1113)	4	Art (See Approved CFAES GE List)	3
Chemistry 1110-1210	5	Contemporary Issues (See Approved CFAES GE List)	3
Additional Natural Science Open Option #1 (ENR 2100)	3		
Total GE Requirements			53
Major (see requirements below)			39
Minor (Production Agriculture see requirements below)			15
Internship (Early Field Experience ASE 2189)			1
Required FAES Content Electives (choose 6 hours)			6
AGSYSMT 2241 (3), AGSYSMT 5600 (3), ANIMSCI 2400.05 (2), COMLDR 3530 (3), ENR 2300 (3), ENR 3000 (3), ENR 3300 (3), FAES Study Abroad XX3797 or XX5797, FDSCTE 1110 (1), FDSCTE 1120 (2), FDSCTE 1140 (2), FDSCTE 2400 (3), HCS 3100 (3), HCS 3521 (2)			
Free Electives			7
TOTAL CREDIT HOURS			121

Major Requirements	39
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ANIMSCI 2200.02	Introductory Animal Sciences Laboratory	1
ASE 4189	Context-Based Learning in Agriscience Education	1
ASE 4220	Methods of Teaching Agriscience Education I	3
ASE 5210	Youth Development and Experiential Learning in Agriscience Education	2
ASE 5220	Methods of Teaching Agriscience Education II	3
ASE 5255	Program Planning in Agriscience Education	2
ASE 5280	Internship in Agriscience Education	4
ASE 5281	Capstone in Agriscience Education	4
ASE 5282	Evaluation in Agriscience Education	4
COMLDR 2530	Introduction to Agricultural Communication, Education, and Leadership	2
EDUTL 5442	Teaching Reading Across the Curriculum	3
ESEPSY 2309	Psychological Perspectives on Education	3
ESSPED 5650	Introduction to Exceptional Children	3
HCS 2201	Ecology of Managed Plant Systems	4

Minor Requirements (Production Agriculture, required for licensure)	15
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AEDECON 3101	Principles of Agribusiness Management	3
AGSYSMT 2240	Basic Metal Fabrication for Agriculture	3
AGSYSMT 4300	Engineering Applications in Agriculture	3
ANIMSCI 2200.01	Introductory Animal Sciences	3
ANIMSCI 3110/ MEATSCI 3110	Introductory Meat Science	3