

From: [Osborne, Jeanne](#)
To: [Smith, Randy](#)
Cc: [Violet, Cynthia](#); [Barker, David](#); [Reed, Katie](#); [Bohrer, Benjamin M.](#); [Eastridge, Maurice](#)
Subject: Information item for CAA: Update to the Animal Sciences BS AGR to add missing course option in the major electives
Date: Monday, June 24, 2024 8:00:09 AM
Attachments: [image001.png](#)
[ANIMSCI \(eff AU23\) CORRECTED Combined Files.docx.pdf](#)

Dear Dr. Smith,

The Department of Animal Sciences identified a missing elective option to the Animal Sciences BS AGR – ABS, AIS and VTS specializations that necessitates an update to the curriculum.

Animal Sciences 4597, Contemporary Animal Use Issues (3 cr) was inadvertently left off the list of Animal Sciences Electives. Attached please find updated curriculum sheets for the three specializations within the Animal Sciences – BSAGR (effective AU23). The only change is the addition of ANIMSCI 4597 to the list found on page 2 of the curriculum sheet and highlighted for each specialization. This correction will also be applied to the AU22 curriculum sheets in exactly the same manner. There will be no impact on currently enrolled students as this exception is already being applied to students as needed while the curriculum correction is in process.

This correction has been approved by the Department of Animal Sciences and has been shared with the College of Food, Agricultural, and Environmental Sciences Committee on Academic Affairs as an information item. We would appreciate your sharing this with the Council on Academic Affairs – if you believe this will require a vote for approval (rather than shared as an information item), please let me know and I will prepare a formal proposal for revision.

Please let me know if you need additional information or clarification.

Thank you,

Jeanne



Jeanne M. Osborne | *Pronouns: She, Her, Hers*

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'Unexpected kindness is the most powerful, least costly, and most underrated agent of human change' (Bob Kerrey)

**Bachelor of Science in Agriculture
Major: Animal Sciences
Specialization: Animal Biosciences**

Students in this major will complete a minimum of 121 hours outlined as follows.

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

* 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	FAES 1100 (0.5) & ANIMSCI 1100 (0.5)	1
Oral Expression	AGRCOMM 3130 or COMM 2110	3
Additional Science	CHEM 1210	5
Internship	FAES 3191 & ANIMSCI 3191	2
Minor Equiv. ^b		15
<i>Select 15 credit hours from the following list: ANATOMY 2300.04, BIOLOGY 1114, BIOCHEM 4511, CHEM 2510, CHEM 2520, CHEM 2540, EEOB 2510, ENTMLGY 4607, MATH 1151, MICROBIO 4000.01 or .02, MOLGEN 4500, PHYSICS 1200, or PHYSICS 1201</i>		
Credit Hours:		26

Major Supporting Coursework		
Course		Hours
<i>Choose a course from the following list (courses will not double count in the minor equivalent): BIOLOGY 1114, MICROBIO 4000.01 or .02, PHYSICS 1200, CHEM 1220, or MOLGEN 4500</i>		
Credit Hours:		3-5

^a 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.

^b Students in this program complete a group of courses called a minor equivalent. Declaring an additional minor is not required.

^c Two short-term study abroad experiences include a combination of two courses from ANIMSCI 3797.01 or 3797.03 or 3797.04, or 3797.07 or 5797.05.

^d Participation in two different disciplinary, intercollegiate animal science judging experiences. Requires registration in ANIMSCI 3488 or equivalent.

^e No more than 6 combined hours of ANIMSCI 3488, 4193, and 4999 can count toward graduation.

Major Coursework		
Course	Title	Hours
ANIMSCI 2000	Animal Handling	2
ANIMSCI 2200.01 or 2300H	Introduction to Animal Sciences Lecture	3
ANIMSCI 2200.02	Introduction to Animal Sciences Laboratory	1
ANIMSCI 2200.03	Animal Systems	2
ANIMSCI 2260	Data Analysis and Interpretation for Decision Making	3
ANIMSCI 2367	Animals in Society	3
ANIMSCI 3130	Principles of Animal Nutrition	3
ANIMSCI 3140	Principles of Animal Systems Physiology	3
ANIMSCI 3150	Principles of Genetic Improvement	3
ANIMSCI 3170	Animal Health I	2
ANIMSCI 3270	Animal Health II	2
ANIMSCI 3180	Introduction to Animal Welfare	2
Laboratory Requirement: Select two options (7-week courses)		
ANIMSCI 3420	Animal Laboratory Research Methods (0.5)	
ANIMSCI 3430	Animal Nutrition Laboratory (0.5)	
ANIMSCI 3440	Animal Physiology Laboratory (0.5)	
ANIMSCI 3470	Animal Health Laboratory (0.5)	
ANIMSCI 3480	Animal Welfare Laboratory (0.5)	
Physiology Requirement: Select one option		
ANIMSCI 3100	Growth and Development (3)	2-3
ANIMSCI 3110	Introduction to Meat Science (3)	
ANIMSCI 3147	Milk Secretion (2)	
ANIMSCI 3160	Reproductive Physiology (3)	
Production Course 1: Select one option		
ANIMSCI 4001	Equine Production (4)	4
ANIMSCI 4002.01 & 4002.02	Beef Cattle Production and Management (3 cr) & Beef Cattle Prod. and Management Lab (1cr)	
ANIMSCI 4003.01 & 4003.02	Swine Production (3 cr) & Swine Production Lab (1cr)	
ANIMSCI 4004.01 & 4004.02	Small Ruminant and Pseudo Ruminant (3 cr) & Small and Pseudo Ruminant Lab (1cr)	
ANIMSCI 4005	Companion Animal Biology and Behavior (4)	
ANIMSCI 4006.01 & 4006.02	Poultry and Avian Management (3 cr) & Poultry and Avian Management Lab (1 cr)	
ANIMSCI 4007	Dairy Herd Management (4)	
Production Course 2: Select one option		
MEATSCI 4510	Processed Meats (3)	3-4
ANIMSCI 5100	Advanced Growth and Development (3)	
ANIMSCI 5530	Comparative Animal Nutrient Metabolism (3)	
An additional selection from Production Course 1 lecture options		
Education Abroad ^c		
Animal Science Judging Experience ^d		
Animal Science Electives: Select 11 credit hours from pg. 2 (at least 3 cr hr must be at the 4000 level or above)		11
Credit Hours:		50-52

General Education	33-37
Degree Requirements	26
Major Supporting Courses	3-5
Major	50-52
Open Electives	1-9
Minimum Total Credit Hours	121

Major Elective Options

Note: Courses present as options elsewhere in the major may only be selected for credit in one area. MEATSCI courses are not allowed to double count in the major and the Meat Science Minor.

Course	Title	Hours
ANIMSCI 2221	Introduction to Equine Studies	3
ANIMSCI 2301	Equine Behavior and Training	3
ANIMSCI 2400.01	Equine Studies in Europe	1
ANIMSCI 2400.04	Scotland's Ruminants	1
ANIMSCI 2400.05	Human and Animal Interactions	2
ANIMSCI 2400.07	Global Dairy Industries	1
ANIMSCI 2401	Advanced Equine Behavior and Training	3
ANIMSCI 2507	Challenges/Opps. in the Dairy Industry	1
ANIMSCI 2700	Animal Sciences Careers	1
ANIMSCI 3046	Poultry Biology	3
ANIMSCI 3101	Equine Facilities, Marketing, and Mgmt.	3
ANIMSCI 3131	Equine Feeds and Feeding	3
ANIMSCI 3171	Equine Health & Disease	2
ANIMSCI 3300	Livestock Selection and Evaluation	3
ANIMSCI 3301	Equine Evaluation	2
ANIMSCI 3306	Poultry Selection and Evaluation	2
ANIMSCI 3307	Dairy Cattle Selection and Evaluation	2
ANIMSCI 3400	Management Intensive Grazing	2
ANIMSCI 3500	Prof. Networking in Animal Sciences	2
ANIMSCI 3600	Global Food and Agriculture	3
ANIMSCI 3488 °	Prof. Development in Animal Sciences	varies
ANIMSCI 3797.01	Equine Studies in Europe	3
ANIMSCI 3797.03	Human and Animal Interactions Study Abroad	3
ANIMSCI 3797.04	Scotland's Ruminants – Education Abroad	3
ANIMSCI 3797.07	Dairy Industry Outside the U.S.	3
ANIMSCI 4035	Pet Food Production	3
ANIMSCI 4105	Domestication, Form & Function of Dogs	3
ANIMSCI 4193 °	Individual Studies	varies
ANIMSCI 4597	Contemporary Animal Use Issues	3
ANIMSCI 4999/H °	Research with Distinction	varies
ANIMSCI 5000	Humans Dimension in Animal Sciences	3
ANIMSCI 5031	Ruminant Nutrition	3
ANIMSCI 5032	Non-Ruminant Nutrition	3
ANIMSCI 5033	Feed Mgmt. & Records Analysis for Dairy Cattle	3
ANIMSCI 5070	Nutritional Immunology in Animal Systems	3
ANIMSCI 5090	Gut Microbiology	2
ANIMSCI 5100	Advanced Growth & Development	3
ANIMSCI 5400	Southern African Animals I	3
ANIMSCI 5420	Env. Impacts of Crop-Livestock Systems	3
ANIMSCI 5530	Comparative Animal Nutrient Metabolism	3
ANIMSCI 5551	Equine Assisted Therapy	2
ANIMSCI 5797.05	Exotic Animal Behavior and Welfare	3
ANIMSCI 5810	Branded Meat Products	4
MEATSCI 3210	Food Animal Processing	3
MEATSCI 3310	Meat Animal and Carcass Evaluation	3
MEATSCI 5510	Advanced 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 pursuing a B.S. in Agriculture 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.

Bachelor of Science in Agriculture
Major: Animal Sciences
Specialization: Animal Industries

Students in this major will complete a minimum of 121 hours outlined as follows.

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

* 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	FAES 1100 (0.5) & ANIMSCI 1100 (0.5)	1
Oral Expression	AGRCOMM 3130 or COMM 2110	3
Additional Science	CHEM 1110 or 1210	5
Internship	FAES 3191 & ANIMSCI 3191	2
Minor ^b	<i>Student Choice</i>	12-15
Credit Hours:		23-26

Major Supporting Coursework		
Course		Hours
<i>Select a course from the following list: BIOLOGY 1114, MICROBIO 4000.01 or .02, PHYSICS 1200, CHEM 1220, or MOLGEN 4500</i>		
Credit Hours:		3-5

^a 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.

^b Students in this program must declare a minor. A minor should be declared by the time 60 credit hours are accumulated. Students cannot select a minor in Animal Sciences, Animal Nutrition, Animal Pre-Veterinary Medicine, Dairy Science, Equine Science, or Human & Animal Interactions.

^c Two short-term study abroad experiences include a combination of two courses from ANIMSCI 3797.01 or 3797.03 or 3797.04, or 3797.07 or 5797.05.

^d Participation in two different disciplinary, intercollegiate animal science judging experiences. Requires registration in ANIMSCI 3488 or equivalent.

^e No more than 6 combined hours of ANIMSCI 3488, 4193, and 4999 can count toward graduation.

Major Coursework		
Course	Title	Hours
ANIMSCI 2000	Animal Handling	2
ANIMSCI 2200.01 or 2300H	Introduction to Animal Sciences Lecture	3
ANIMSCI 2200.02	Introduction to Animal Sciences Laboratory	1
ANIMSCI 2200.03	Animal Systems	2
ANIMSCI 2260	Data Analysis and Interpretation for Decision Making	3
ANIMSCI 2367	Animals in Society	3
ANIMSCI 3130	Principles of Animal Nutrition	3
ANIMSCI 3140	Principles of Animal Systems Physiology	3
ANIMSCI 3150	Principles of Genetic Improvement	3
ANIMSCI 3170	Animal Health I	2
ANIMSCI 3180	Animal Welfare	2
Laboratory Requirement: Select two options (7-week courses)		
ANIMSCI 3420	Animal Laboratory Research Methods (0.5)	
ANIMSCI 3430	Animal Nutrition Laboratory (0.5)	
ANIMSCI 3440	Animal Physiology Laboratory (0.5)	
ANIMSCI 3470	Animal Health Laboratory (0.5)	
ANIMSCI 3480	Animal Welfare Laboratory (0.5)	
Physiology Requirement: Select one option		2-3
ANIMSCI 3100	Growth and Development (3)	
ANIMSCI 3110	Introduction to Meat Science (3)	
ANIMSCI 3147	Milk Secretion (2)	
ANIMSCI 3160	Reproductive Physiology (3)	
Production Course 1: Select one option		4
ANIMSCI 4001	Equine Production (4)	
ANIMSCI 4002.01 & 4002.02	Beef Cattle Production and Management (3 cr) & Beef Cattle Prod. and Management Lab (1cr)	
ANIMSCI 4003.01 & 4003.02	Swine Production (3 cr) & Swine Production Lab (1cr)	
ANIMSCI 4004.01 & 4004.02	Small Ruminant and Pseudo Ruminant (3 cr) & Small and Pseudo Ruminant Lab (1cr)	
ANIMSCI 4005	Companion Animal Biology and Behavior	
ANIMSCI 4006.01 & 4006.02	Poultry and Avian Management (3 cr) & Poultry and Avian Management Lab (1 cr)	
ANIMSCI 4007	Dairy Herd Management	
Production Course 2: Select one option		3-4
MEATSCI 4510	Processed Meats	3
ANIMSCI 5100	Advanced Growth and Development	3
ANIMSCI 5530	Comparative Animal Nutrient Metabolism	3
An additional selection from Production Course 1 lecture options		
Education Abroad ^c		
Animal Science Judging Experience ^d		
Animal Science Electives: Select 13 credit hours from pg. 2, with at least 3 cr hr at the 4000 level or above^e		13
Credit Hours:		50-52

General Education	33-37
Degree Requirements & Minor	23-26
Major Supporting Courses	3-5
Major	50-52
Open Electives	1-12
Minimum Total Credit Hours	121

Major Elective Options

Note: Courses present as options elsewhere in the major may only be selected for credit in one area. MEATSCI courses are not allowed to double count in the major and the Meat Science Minor.

Course	Title	Hours
ANIMSCI 2221	Introduction to Equine Studies	3
ANIMSCI 2301	Equine Behavior and Training	3
ANIMSCI 2400.01	Equine Studies in Europe	1
ANIMSCI 2400.04	Scotland's Ruminants	1
ANIMSCI 2400.05	Human and Animal Interactions	2
ANIMSCI 2400.07	Global Dairy Industries	1
ANIMSCI 2401	Advanced Equine Behavior and Training	3
ANIMSCI 2507	Challenges/Opps. in the Dairy Industry	1
ANIMSCI 2700	Animal Sciences Careers	1
ANIMSCI 3046	Poultry Biology	3
ANIMSCI 3101	Equine Facilities, Marketing, and Mgmt.	3
ANIMSCI 3131	Equine Feeds and Feeding	3
ANIMSCI 3171	Equine Health & Disease	2
ANIMSCI 3270	Animal Health II	2
ANIMSCI 3300	Livestock Selection and Evaluation	3
ANIMSCI 3301	Equine Evaluation	2
ANIMSCI 3306	Poultry Selection and Evaluation	2
ANIMSCI 3307	Dairy Cattle Selection and Evaluation	2
ANIMSCI 3400	Management Intensive Grazing	2
ANIMSCI 3500	Prof. Networking in Animal Sciences	2
ANIMSCI 3600	Global Food and Agriculture	3
ANIMSCI 3488 °	Prof. Development in Animal Sciences	varies
ANIMSCI 3797.01	Equine Studies in Europe	3
ANIMSCI 3797.03	Human and Animal Interactions Study Abroad	3
ANIMSCI 3797.04	Scotland's Ruminants – Education Abroad	3
ANIMSCI 3797.07	Dairy Industry Outside the U.S.	3
ANIMSCI 4035	Pet Food Production	3
ANIMSCI 4105	Domestication, Form & Function of Dogs	3
ANIMSCI 4193 °	Individual Studies	varies
ANIMSCI 4597	Contemporary Animal Use Issues	3
ANIMSCI 4999/H °	Research with Distinction	varies
ANIMSCI 5000	Humans Dimension in Animal Sciences	3
ANIMSCI 5031	Ruminant Nutrition	3
ANIMSCI 5032	Non-Ruminant Nutrition	3
ANIMSCI 5033	Feed Mgmt. & Records Analysis for Dairy Cattle	3
ANIMSCI 5070	Nutritional Immunology in Animal Systems	3
ANIMSCI 5090	Gut Microbiology	2
ANIMSCI 5100	Advanced Growth & Development	3
ANIMSCI 5400	Southern African Animals	3
ANIMSCI 5420	Env. Impacts of Crop-Livestock Systems	3
ANIMSCI 5530	Comparative Animal Nutrient Metabolism	3
ANIMSCI 5551	Equine Assisted Therapy	2
ANIMSCI 5797.05	Exotic Animal Behavior and Welfare	3
ANIMSCI 5810	Branded Meat Products	4
MEATSCI 3210	Food Animal Processing	3
MEATSCI 3310	Meat Animal and Carcass Evaluation	3
MEATSCI 5510	Advanced Meat Science	3

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 pursuing a B.S. in Agriculture 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.

Policies and General Requirements for Degree

- A minimum of 121 total credit hours. Remedial coursework (English 1109; EDUTL

Degree requirements and course offerings are subject to change. Last updated on: 5/10/24

**Bachelor of Science in Agriculture
Major: Animal Sciences
Specialization: Veterinary Technology**

This is a joint degree program between The Ohio State University (OSU)'s Department of Animal Sciences and Columbus State Community College (CSCC) that will result in a B.S. in Agriculture from OSU and an Associate of Applied Science in Veterinary Technology from CSCC. This program is a minimum of 121 hours outlined as follows.

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

* 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	FAES 1100 (0.5) & ANIMSCI 1100 (0.5)	1
Oral Expression	AGRCOMM 3130 or COMM 2110	3
Additional Science	CHEM 1110 or 1210	5
Internship	FAES 3191 & ANIMSCI 3191 <i>VET 2921 & 2922 (at CSCC)</i>	2
Minor Equiv. ^b	EEOB 2510 (at OSU); VET 1335, VET 1426, VET 2535, & VET 2562 (at CSCC)	12
Credit Hours:		23

Major Supporting Coursework		
Course		Hours
MICROBIO 4000.01 or .02	Basic and Practical Microbiology	4
Credit Hours:		4

^a 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.

^b Students in this program complete a group of courses called a minor equivalent. Declaring an additional minor is not required.

^c Two short-term study abroad experiences include a combination of two courses from ANIMSCI 3797.01 or 3797.03 or 3797.04, or 3797.07 or 5797.05.

^d Participation in two different disciplinary, intercollegiate animal science judging experiences. Requires registration in ANIMSCI 3488 or equivalent.

^e No more than 6 combined hours of ANIMSCI 3488, 4193, and 4999 can count toward graduation.

Major Coursework		
Course	Title	Hours
ANIMSCI 2000	Animal Handling	2
ANIMSCI 2200.01 or 2300H	Introduction to Animal Sciences Lecture	3
ANIMSCI 2200.02	Introduction to Animal Sciences Laboratory	1
ANIMSCI 2200.03	Animal Systems	2
ANIMSCI 2260	Data Analysis and Interpretation for Decision Making	3
ANIMSCI 2367	Animals in Society	3
ANIMSCI 3130	Principles of Animal Nutrition	3
ANIMSCI 3140	Principles of Animal Systems Physiology	3
ANIMSCI 3150	Principles of Genetic Improvement	3
ANIMSCI 3170	Animal Health I	2
ANIMSCI 3270	Animal Health II	2
ANIMSCI 3180	Animal Welfare	2
Laboratory Requirement: Select two options (7-week courses)		1
ANIMSCI 3420	Animal Laboratory Research Methods (0.5)	
ANIMSCI 3430	Animal Nutrition Laboratory (0.5)	
ANIMSCI 3440	Animal Physiology Laboratory (0.5)	
ANIMSCI 3470	Animal Health Laboratory (0.5)	
ANIMSCI 3480	Animal Welfare Laboratory (0.5)	
Physiology Requirement: Select one option		2-3
ANIMSCI 3100	Growth and Development (3)	
ANIMSCI 3110	Introduction to Meat Science (3)	
ANIMSCI 3147	Milk Secretion (2)	
ANIMSCI 3160	Reproductive Physiology (3)	
Production Course 1: Select one option		4
ANIMSCI 4001	Equine Production (4)	
ANIMSCI 4002.01 & 4002.02	Beef Cattle Production and Management (3 cr) & Beef Cattle Prod. and Management Lab (1cr)	
ANIMSCI 4003.01 & 4003.02	Swine Production (3 cr) & Swine Production Lab (1cr)	
ANIMSCI 4004.01 & 4004.02	Small Ruminant and Pseudo Ruminant (3 cr) & Small and Pseudo Ruminant Lab (1cr)	
ANIMSCI 4005	Companion Animal Biology and Behavior (4)	
ANIMSCI 4006.01 & 4006.02	Poultry and Avian Management (3 cr) & Poultry and Avian Management Lab (1 cr)	
ANIMSCI 4007	Dairy Herd Management (4)	
Production Course 2: Select one option		3-4
MEATSCI 4510	Processed Meats (3)	
ANIMSCI 5100	Advanced Growth and Development (3)	
ANIMSCI 5530	Comparative Animal Nutrient Metabolism (3)	
An additional selection from Production Course 1 lecture options		
Education Abroad ^c		
Animal Science Judging Experience ^d		
Animal Science Electives: Select 11 credit hours from pg. 2		11
The remaining hours to complete the Associate of Applied Science degree in Veterinary Technology from CSCC can be used as major electives: VET 1103 (1), 1105 (2), 1324 (1) 1331 (2), 1338 (2), 1502 (1), 1533 (2), 1536 (2), 2563 (2), 2599 (2), 2821 (0.5), 2822 (0.5), 2831 (0.5), 2832 (0.5), 2931 (1), & 2932 (1)		
Credit Hours:		50-52

General Education	33-37
Degree Requirements	23
Major Supporting Courses	4
Major	50-52
Open Electives	5-11
Minimum Total Credit Hours	121

Major Elective Options		
<i>Note: Courses present as options elsewhere in the major may only be selected for credit in one area. MEATSCI courses are not allowed to double count in the major and the Meat Science Minor.</i>		
Course	Title	Hours
ANIMSCI 2221	Introduction to Equine Studies	3
ANIMSCI 2301	Equine Behavior and Training	3
ANIMSCI 2400.01	Equine Studies in Europe	1
ANIMSCI 2400.04	Scotland's Ruminants	1
ANIMSCI 2400.05	Human and Animal Interactions	2
ANIMSCI 2400.07	Global Dairy Industries	1
ANIMSCI 2401	Advanced Equine Behavior and Training	3
ANIMSCI 2507	Challenges/Opps. in the Dairy Industry	1
ANIMSCI 2700	Animal Sciences Careers	1
ANIMSCI 3046	Poultry Biology	3
ANIMSCI 3101	Equine Facilities, Marketing, and Mgmt.	3
ANIMSCI 3131	Equine Feeds and Feeding	3
ANIMSCI 3171	Equine Health & Disease	2
ANIMSCI 3300	Livestock Selection and Evaluation	3
ANIMSCI 3301	Equine Evaluation	2
ANIMSCI 3306	Poultry Selection and Evaluation	2
ANIMSCI 3307	Dairy Cattle Selection and Evaluation	2
ANIMSCI 3400	Management Intensive Grazing	2
ANIMSCI 3500	Prof. Networking in Animal Sciences	2
ANIMSCI 3600	Global Food and Agriculture	3
ANIMSCI 3488 °	Prof. Development in Animal Sciences	varies
ANIMSCI 3797.01	Equine Studies in Europe	3
ANIMSCI 3797.03	Human and Animal Interactions Study Abroad	3
ANIMSCI 3797.04	Scotland's Ruminants – Education Abroad	3
ANIMSCI 3797.07	Dairy Industry Outside the U.S.	3
ANIMSCI 4035	Pet Food Production	3
ANIMSCI 4105	Domestication, Form & Function of Dogs	3
ANIMSCI 4193 °	Individual Studies	varies
ANIMSCI 4597	Contemporary Animal Use Issues	3
ANIMSCI 4999/H °	Research with Distinction	varies
ANIMSCI 5000	Humans Dimension in Animal Sciences	3
ANIMSCI 5031	Ruminant Nutrition	3
ANIMSCI 5032	Non-Ruminant Nutrition	3
ANIMSCI 5033	Feed Mgmt. & Records Analysis for Dairy Cattle	3
ANIMSCI 5070	Nutritional Immunology in Animal Systems	3
ANIMSCI 5090	Gut Microbiology	2
ANIMSCI 5100	Advanced Growth & Development	3
ANIMSCI 5400	Southern African Animals	3
ANIMSCI 5420	Env. Impacts of Crop-Livestock Systems	3
ANIMSCI 5530	Comparative Animal Nutrient Metabolism	3
ANIMSCI 5551	Equine Assisted Therapy	2
ANIMSCI 5797.05	Exotic Animal Behavior and Welfare	3
ANIMSCI 5810	Branded Meat Products	4
MEATSCI 3210	Food Animal Processing	3
MEATSCI 3310	Meat Animal and Carcass Evaluation	3
MEATSCI 5510	Advanced Meat Science	3

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 pursuing a B.S. in Agriculture 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.

Policies and General Requirements for Degree

- A minimum of 121 total credit hours. Remedial coursework (English 1109; EDUTL