

From: [Osborne, Jeanne](#)
To: [Smith, Randy](#)
Cc: [Reed, Katie](#); [Boening-Ulman, Kate](#)
Subject: Corrections to recently approved AGSYSMT BS AGR specializations
Date: Tuesday, August 26, 2025 3:11:24 PM
Attachments: [image001.png](#)
[AGSYSMT_AES_Curr \(AU26\) CORRECTED.docx](#)
[AGSYSMT_DPA_Curr \(AU26\) CORRECTED.docx](#)
[AGSYSMT_FBM_Curr \(AU26\) CORRECTED.docx](#)
[AGSYSMT_MAS_Curr \(AU26\) CORRECTED.docx](#)
[AGSYSMT_PLS_Curr \(AU26\) CORRECTED.docx](#)

Dear Dr. Smith,

Over the course of the summer, it came to my attention that there were some minor errors to the curriculum sheets that were part of the recently approved revision to the AGSYSMT BS AGR, which added five specializations. I have detailed the corrections below:

AGSYSMT – AES

- Add AEDECON 2005 as option to complete the Data Analysis requirement in Major Supporting Courses
- Add AGSYSMT 2241 as option for specialization electives
- Correct incorrect AGSYSMT 3560 in ASM Electives, Agricultural Science– should be AGSYSMT 3585 Digital Agriculture

AGSYSMT – DPA

- Add AEDECON 2005 as option to complete the Data Analysis requirement in Major Supporting Courses
- Add AGSYSMT 2241 as option for specialization electives
- Remove AEDECON 2005 as option for specialization electives (duplicates the required data analysis course)

AGSYSMT – FBM

- Add AEDECON 2005 as option to complete the Data Analysis requirement in Major Supporting Courses

AGSYSMT – MAS

- Add AEDECON 2005 as option to complete the Data Analysis requirement in Major Supporting Courses

AGSYSMT – PLS

- Add AEDECON 2005 as option to complete the Data Analysis requirement in Major Supporting Courses

Attached please find updated curriculum sheets highlighting the changes. I believe this can be

shared as an information item 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

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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: Agricultural Systems Management
Specialization: Agro-Environmental Systems

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: ENR 3000 and 3001* (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:		33-38

* Indicates a pre/corequisite course for this major that also satisfies this GE category. If a student chooses an alternative course 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) & AGSYSMT1100 (0.5)	1
Oral Expression	AGRCOMM 3130 or COMM 2110	3
Additional Science	HCS 2200 and 2206 OR HCS 2204 and 2205	4
Internship	FAES 3191 & AGSYSMT 3191	2
Minor Equiv. ^b	<i>See pg. 2</i>	18-21
Credit Hours:		28-31

^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.

General Education	33-38
Degree Requirements	28-31
Major Supporting Courses.	6
Major Core	28-29
Specialization Core	15
ASM Open Electives	2-11
Minimum Total Credit Hours	121

Major Supporting Coursework		
Course	Title	Hours
<i>Natural Science Category (Choose 1 of the following courses)</i>		
ANIMSCI 2200.01	Introductory to Animal Science	3
FDSCTE 2200	The Science of Food	3
ENR 2100	Introduction to Environmental Sciences	3
<i>Data Analysis Category (Choose 1 of the following courses)</i>		
COMLDR 3537	Data Analysis in the Applied Sciences	3
AEDECON 2005	Data Analysis for Agribusiness and Applied Econ	3
ANIMSCI 2260	Data Analysis & Interpretation for Decision Making	3
HCS 2260	Data Analysis & Interpretation for Decision Making	3
ENR 2000	Natural Resources Data Analysis	3
STAT 1450	Introduction to the Practice of Statistics	3
Credit Hours:		6

Major Core Coursework		
Course	Title	Hours
AGSYSMT 2150 or PHYSICS 1200	Applied Agricultural Mechanics and Electronics/ Mechanics, Kinematics, Fluids, Waves	4-5
AGSYSMT 2305	Professional Development I	2
AGSYSMT 2310	Electrical Power for Agri & Res Applications	2
AGSYSMT 2370	Environmental Hydrology	2
AGSYSMT 2371	Land Surveying for Agricultural & Environmental Systems	2
AGSYSMT 3232	Engines and Power Transmission	3
AGSYSMT 4580	Precision Agriculture	2
AGSYSMT 4605	Professional Development II	1
AGSYSMT 4900	Capstone in Ag. Systems Management I	2
AGSYSMT 4910	Capstone in Ag. Systems Management II	2
AGSYSMT 5600	Agricultural Safety and Health	3
ASM 2120 or CSE 1111	Data Visualization & Communication in Agr/ Intro to Computer-Assisted Problem Solving	3
Credit Hours:		28-29

Specialization Core Coursework (minimum 15 credit hours)		
Course	Title	Hours
AGSYSMT 3320	Facilities for Agr & Greenhouse Production	3
AGSYSMT 3550	Animal & Rural Waste Management	2
AGSYSMT 4575	Applied Agricultural Water Mgmt.	2
ENR 4260	Soil Resource Mgmt.	3
Select from the following courses to meet minimum credit hours		
AGSYSMT 2241	Building Materials and Construction in Agriculture	3
AGSYSMT 3330	Grain Handling, Drying, and Milling	3
AGSYSMT 5560	UAS and Remote Sensing in Agriculture	3
ENR 5261	Environmental Soil Physics	2
ENR 5270	Soil Fertility	3
HCS 2202	Form and Function in Cultivated Plants	4
HCS 2307	Sustainable Agriculture Practical Experience	2
HCS 3100	Introduction to Agronomy	3
Minimum Credit Hours:		15

ASM Supporting Courses (Minor Equivalent)		
Principles of Management Category (choose one)		
AEDECON 3101	Principles of Agribusiness Management	3
BUSMHR 3100	Foundations of Management and HR	3
Accounting Category (choose one)		
AEDECON 2105	Managerial Records and Analysis	3
ACCTMIS 2200	Introduction to Accounting I	3
ACCTMIS 2000	Foundations of Accounting	3
Business Law Category (choose one)		
AEDECON 3170	Agribusiness Law	3
BUSFIN 3500 & BUSFIN 4510	Legal Environment of Business (1.5) & Legal Business Issue (1.5)	3
Supporting Courses Credit Hours		9
ASM Electives: 3 or more Courses from table (minimum 9 cr)		9
Minimum Total Minor Equivalent		18

ASM Electives: Select at least three courses for ASM Electives, at least one in each category (Ag Management and Ag Sciences) <i>*Students are encouraged to take at least one additional AGSYSMT course</i>		
Agricultural Management		
AEDECON 3102	Principles of Agribusiness Marketing	3
AEDECON 3103	Principles of Agribusiness Finance <i>Pre-req: AEDECON 2105 or ACCTMIS 2200</i>	3
AEDECON 3104	Farm Business Management	3
AEDECON 3114	Commodity Futures & Options Markets	3
AEDECON 3121	Salesmanship in Agribusiness	3
AEDECON 3124	Grain Merchandising	3
AEDECON 3160	Human Res Mgmt in Small Business	3
AEDECON 4540	Int'l Commerce & World Economy	3
AGRCOMM 2330	Public Perceptions of Agriculture	4
BUSMHR 2000	Introduction to International Business	1.5
COMLDR 3530	Foundations of Personal and Professional Leadership	3
COMLDR 4430	Leadership in Teams and Community Organizations	3
CONSYSM 2205	Introduction to Construction Systems Management	3
ENR 3200	Env & Nat'l Resources Policy	3
FABENG/FDSCTE 3400.01	Sustainability of the Food Supply Chain❖	3
INTSTDS 3850	Introduction to Globalization	3
HCS 3521	Greenhouse Systems and Mgt.	2
XXXX 3797	Study Abroad	1-5
XXXX 5797	Study Abroad	1-5
Agricultural Science		
AGSYSMT 2240	Basic Metal Fabrication for Agr.	3
AGSYSMT 3360	Agricultural Machinery Mgt.	3
AGSYSMT 3585	Digital Agriculture❖	3
AGSYSMT 4560	Fluid Power and Electronics in Agricultural Machinery	3
AGSYSMT 5580	Data Analytics in Production Agriculture	3
ANIMSCI 3600	Global Food and Agriculture	3

ENTMLGY 4601	General Insect Pest Management	2
Agricultural Science (Continued)		
ENTMLGY 5610	Greenhouse Plant Health & Pest Mgt.	3
ENR 3700	Intro. Spatial Info for Env & Nat'l Res.	3
HCS 3200	Introduction to Horticulture	3
HCS 3220	Crop Origins and Diversity	2
HCS 3310	Crop Responses to the Environment	3
HCS 3420	Seed Science	3
HCS 5411	Domest & Utilization of Agronomic Crops	3
HCS 5412	Agroecology of Grasslands and Prairies	3
HCS 5422	Biology and Management of Weeds and Invasive Plants	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.

Bachelor of Science in Agriculture
Major: Agricultural Systems Management
Specialization: Digital and Precision Agriculture Systems

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: ENR 3000 and 3001* (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:		33-38

* Indicates a pre/corequisite course for this major that also satisfies this GE category. If a student chooses an alternative course 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) & AGSYSMT1100 (0.5)	1
Oral Expression	AGRCOMM 3130 or COMM 2110	3
Additional Science	HCS 2200 and 2206 or HCS 2204 and 2205	4
Internship	FAES 3191 & AGSYSMT 3191	2
Minor Equiv. ^b	<i>See pg. 2</i>	18-21
Credit Hours:		28-31

^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.

General Education	33-38
Degree Requirements	28-31
Major Supporting Courses.	6
Major Core	28-29
Specialization Core	15
ASM Open Electives	2-11
Minimum Total Credit Hours	121

Major Supporting Coursework		
Course	Title	Hours
Natural Science Category (Choose 1 of the following courses)		
ANIMSCI 2200.01	Introductory to Animal Science	3
FDSCTE 2200	The Science of Food	3
ENR 2100	Introduction to Environmental Sciences	3
Data Analysis Category (Choose 1 of the following courses)		
COMLDR 3537	Data Analysis in the Applied Sciences	3
AEDECON 2005	Data Analysis for Agribusiness and Applied Econ	3
ANIMSCI 2260	Data Analysis & Interpretation for Decision Making	3
HCS 2260	Data Analysis & Interpretation for Decision Making	3
ENR 2000	Natural Resources Data Analysis	3
STAT 1450	Introduction to the Practice of Statistics	3
Credit Hours:		6

Major Core Coursework		
Course	Title	Hours
AGSYSMT 2150 or PHYSICS 1200	Applied Agricultural Mechanics and Electronics/ Mechanics, Kinematics, Fluids, Waves	4-5
AGSYSMT 2305	Professional Development I	2
AGSYSMT 2310	Electrical Power for Agri & Res Applications	2
AGSYSMT 2370	Environmental Hydrology	2
AGSYSMT 2371	Land Surveying for Agricultural & Environmental Systems	2
AGSYSMT 3232	Engines and Power Transmission	3
AGSYSMT 4580	Precision Agriculture	2
AGSYSMT 4605	Professional Development II	1
AGSYSMT 4900	Capstone in Ag. Systems Management I	2
AGSYSMT 4910	Capstone in Ag. Systems Management II	2
AGSYSMT 5600	Agricultural Safety and Health	3
ASM 2120 or CSE 1111	Data Visualization & Communication in Agr/ Intro to Computer-Assisted Problem Solving	3
Credit Hours:		28-29

Specialization Core Coursework (minimum 15 credit hours)		
Course	Title	Hours
AGSYSMT 3586	Digital Agriculture + Lab ♦	4
AGSYSMT 4560	Fuuld Pwr & Electronics in Agr Machinery	3
AGSYSMT 5560	UAS and Remote Sensing in Agriculture	3
Select from the following courses to meet minimum credit hours		
AGSYSMT 2240	Basic Metal Fabrication for Agriculture	3
AGSYSMT 2241	Building Materials and Construction in Agriculture	3
AGSYSMT 3360	Agricultural Machinery Management	3
AGSYSMT 4575	Applied Agricultural Water Management	2
AGSYSMT 5580	Data Analytics in Production Agriculture	3
AEDECON 2005	Data Analysis for Agribusiness & Appl Econ.	3
ENR 3700	Intro Spatial Info for Envir & Nat'l Resources	3
Minimum Credit Hours:		15

ASM Supporting Courses (Minor Equivalent)		
Principles of Management Category (choose one)		
AEDECON 3101	Principles of Agribusiness Management	3
BUSMHR 3100	Foundations of Management and HR	3
Accounting Category (choose one)		
AEDECON 2105	Managerial Records and Analysis	3
ACCTMIS 2200	Introduction to Accounting I	3
ACCTMIS 2000	Foundations of Accounting	3
Business Law Category (choose one)		
AEDECON 3170	Agribusiness Law	3
BUSFIN 3500 & BUSFIN 4510	Legal Environment of Business (1.5) & Legal Business Issue (1.5)	3
Supporting Courses Credit Hours		9
ASM Electives: 3 or more Courses from table (minimum 9 cr)		9
Minimum Total Minor Equivalent		18
ASM Electives: Select at least three courses for ASM Electives, at least one in each category (Ag Management and Ag Sciences) <small>*Students are encouraged to take at least one additional AGSYSMT course</small>		
Agricultural Management		
AEDECON 3102	Principles of Agribusiness Marketing	3
AEDECON 3103	Principles of Agribusiness Finance <small>Pre-req: AEDECON 2105 or ACCTMIS 2200</small>	3
AEDECON 3104	Farm Business Management	3
AEDECON 3114	Commodity Futures & Options Markets	3
AEDECON 3121	Salesmanship in Agribusiness	3
AEDECON 3124	Grain Merchandising	3
AEDECON 3160	Human Res Mgmt in Small Business	3
AEDECON 4540	Int'l Commerce & World Economy	3
AGRCOMM 2330	Public Perceptions of Agriculture	4
BUSMHR 2000	Introduction to International Business	1.5
COMLDR 3530	Foundations of Personal and Professional Leadership	3
COMLDR 4430	Leadership in Teams and Community Organizations	3
CONSYSMT 2205	Introduction to Construction Systems Management	3
FABENG/FDSCTE 3400.01	Sustainability of the Food Supply Chain ♦	3
HCS 2307	Sust Agriculture Practical Experience	2
ENR 4260	Soil Resource Management	3
INTSTDS 3850	Introduction to Globalization	3
XXXX 3797	Study Abroad	1-5
XXXX 5797	Study Abroad	1-5
Agricultural Science		
AGSYSMT 3320	Facilities for Agr & Greenhouse Prod	3
AGSYSMT 3330	Grain Handling, Drying, and Milling	3
AGSYSMT 3550	Animal & Rural Waste Management	2
ANIMSCI 3600	Global Food and Agriculture	3
ENTMLGY 4601	General Insect Pest Management	2
ENR 5270	Soil Fertility	3
HCS 3100	Introduction to Agronomy	3
HCS 3200	Introduction to Horticulture	3

Agricultural Science (Continued)		
HCS 3220	Crop Origins and Diversity	2
HCS 3420	Seed Science	3
HCS 3521	Greenhouse Systems and Management	2
HCS 5411	Domest & Utilization of Agronomic Crops	3
HCS 5412	Agroecology of Grasslands and Prairies	3
HCS 5422	Biology and Management of Weeds and Invasive Plants	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.

Bachelor of Science in Agriculture
Major: Agricultural Systems Management
Specialization: Food and Bio-Manufacturing Systems

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: ENR 3000 and 3001* (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:		33-38

* Indicates a pre/corequisite course for this major that also satisfies this GE category. If a student chooses an alternative course 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) & AGSYSMT1100 (0.5)	1
Oral Expression	AGRCOMM 3130 or COMM 2110	3
Additional Science	BIOLOGY 1101 or 1113	4
Internship	FAES 3191 & AGSYSMT 3191	2
Minor Equiv. ^b	<i>See pg. 2</i>	18-21
Credit Hours:		28-31

^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.

General Education	33-38
Degree Requirements	28-31
Major Supporting Courses.	6
Major Core	28-29
Specialization Core	15
ASM Open Electives	2-11
Minimum Total Credit Hours	121

Major Supporting Coursework		
Course	Title	Hours
Natural Science Category (Choose 1 of the following courses)		
ANIMSCI 2200.01	Introductory to Animal Science	3
FDSCTE 2200	The Science of Food	3
ENR 2100	Introduction to Environmental Sciences	3
Data Analysis Category (Choose 1 of the following courses)		
COMLDR 3537	Data Analysis in the Applied Sciences	3
AEDECON 2005	Data Analysis for Agribusiness and Applied Econ	3
ANIMSCI 2260	Data Analysis & Interpretation for Decision Making	3
HCS 2260	Data Analysis & Interpretation for Decision Making	3
ENR 2000	Natural Resources Data Analysis	3
STAT 1450	Introduction to the Practice of Statistics	3
Credit Hours:		6

Major Core Coursework		
Course	Title	Hours
AGSYSMT 2150 or PHYSICS 1200	Applied Agricultural Mechanics and Electronics/ Mechanics, Kinematics, Fluids, Waves	4-5
AGSYSMT 2305	Professional Development I	2
AGSYSMT 2310	Electrical Power for Agri & Res Applications	2
AGSYSMT 2370	Environmental Hydrology	2
AGSYSMT 2371	Land Surveying for Agricultural & Environmental Systems	2
AGSYSMT 3232	Engines and Power Transmission	3
AGSYSMT 4580	Precision Agriculture	2
AGSYSMT 4605	Professional Development II	1
AGSYSMT 4900	Capstone in Ag. Systems Management I	2
AGSYSMT 4910	Capstone in Ag. Systems Management II	2
AGSYSMT 5600	Agricultural Safety and Health	3
ASM 2120 or CSE 1111	Data Visualization & Communication in Agr/ Intro to Computer-Assisted Problem Solving	3
Credit Hours:		28-29

Specialization Core Coursework (minimum 15 credit hours)		
Course	Title	Hours
AGSYSMT 3330	Grain Handling, Drying, and Milling	3
AGSYSMT 3360	Agricultural Machinery Management	3
FDSCTE 2400	Introduction to Food Processing	3
Select from the following courses to meet minimum credit hours		
AGSYSMT 2240	Basic Metal Fabrication for Agriculture	3
AGSYSMT 3320	Facilities for Agricultural & Greenhouse Prod.	3
AGSYSMT 3550	Animal & Rural Waste Management	2
AGSYSMT 4575	Applied Agricultural Water Management	2
ANIMSCI 3600	Global Food and Agriculture	3
FABENG/FDSCTE 3400.01	Sustainability of the Food Supply Chain ❖	3
FDSCTE 3110	Alternative Packaging for a Greener Planet	4
FDSCTE 3400	Food Supply Chain Equipment Operations	2
Minimum Credit Hours:		15

ASM Supporting Courses (Minor Equivalent)		
Principles of Management Category (choose one)		
AEDECON 3101	Principles of Agribusiness Management	3
BUSMHR 3100	Foundations of Management and HR	3
Accounting Category (choose one)		
AEDECON 2105	Managerial Records and Analysis	3
ACCTMIS 2200	Introduction to Accounting I	3
ACCTMIS 2000	Foundations of Accounting	3
Business Law Category (choose one)		
AEDECON 3170	Agribusiness Law	3
BUSFIN 3500 & BUSFIN 4510	Legal Environment of Business (1.5) & Legal Business Issue (1.5)	3
Supporting Courses Credit Hours		9
ASM Electives: 3 or more Courses from table (minimum 9 cr)		9
Minimum Total Minor Equivalent		18

ASM Electives: Select at least three courses for ASM Electives, at least one in each category (Ag Management and Ag Sciences) <i>*Students are encouraged to take at least one additional AGSYSMT course</i>		
Agricultural Management		
AEDECON 3102	Principles of Agribusiness Marketing	3
AEDECON 3103	Principles of Agribusiness Finance <i>Pre-req: AEDECON 2105 or ACCTMIS 2200</i>	3
AEDECON 3104	Farm Business Management	3
AEDECON 3114	Commodity Futures & Options Markets	3
AEDECON 3121	Salesmanship in Agribusiness	3
AEDECON 3124	Grain Merchandising	3
AEDECON 3160	Human Res Mgmt in Small Business	3
AEDECON 4540	Int'l Commerce & World Economy	3
AGRCOMM 2330	Public Perceptions of Agriculture	4
BUSMHR 2000	Introduction to International Business	1.5
COMLDR 3530	Foundations of Personal and Professional Leadership	3
COMLDR 4430	Leadership in Teams and Community Organizations	3
CONSYSM 2205	Introduction to Construction Systems Management	3
FDSCTE 5310	Food Quality Assurance	3
INTSTDS 3850	Introduction to Globalization	3
XXXX 3797	Study Abroad	1-5
XXXX 5797	Study Abroad	1-5
Agricultural Science		
AGSYSMT 3585	Digital Agriculture❖	3
AGSYSMT 4560	Fluid Power and Electronics in Agricultural Machinery	3
AGSYSMT 5560	UAS and Remote Sensing in Agriculture	3
AGSYSMT 5580	Data Analytics in Production Agriculture	3
FDSCTE 1200	The Science of Cooking	4
FDSCTE 3100	Global Cuisines: Food Science & Health	3
FDSCTE 3410	Physical Principles in the Food Process	3
ENTMLGY 4601	General Insect Pest Management	2
ENR 5270	Soil Fertility	3

Agricultural Science (Continued)		
HCS 2307	Sust Agriculture Practical Experience	2
HCS 3100	Introduction to Agronomy	3
HCS 3420	Seed Science	3
HCS 3521	Greenhouse Systems and Management	2
HCS 5411	Domestic & Utilization of Agronomic Crops	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.

Bachelor of Science in Agriculture
Major: Agricultural Systems Management
Specialization: Machine Automation Systems (Generalist)

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: ENR 3000 and 3001* (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:		33-38

* Indicates a pre/corequisite course for this major that also satisfies this GE category. If a student chooses an alternative course 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) & AGSYSMT1100 (0.5)	1
Oral Expression	AGRCOMM 3130 or COMM 2110	3
Additional Science	HCS 2200 and 2206 or HCS 2204 and 2205	4
Internship	FAES 3191 & AGSYSMT 3191	2
Minor Equiv. ^b	<i>See pg. 2</i>	18-21
Credit Hours:		28-31

^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.

General Education	33-38
Degree Requirements	28-31
Major Supporting Courses.	6
Major Core	28-29
Specialization Core	15
ASM Open Electives	2-11
Minimum Total Credit Hours	121

Major Supporting Coursework		
Course	Title	Hours
Natural Science Category (Choose 1 of the following courses)		
ANIMSCI 2200.01	Introductory to Animal Science	3
FDSCTE 2200	The Science of Food	3
ENR 2100	Introduction to Environmental Sciences	3
Data Analysis Category (Choose 1 of the following courses)		
COMLDR 3537	Data Analysis in the Applied Sciences	3
AEDECON 2005	Data Analysis for Agribusiness and Applied Econ	3
ANIMSCI 2260	Data Analysis & Interpretation for Decision Making	3
HCS 2260	Data Analysis & Interpretation for Decision Making	3
ENR 2000	Natural Resources Data Analysis	3
STAT 1450	Introduction to the Practice of Statistics	3
Credit Hours:		6

Major Core Coursework		
Course	Title	Hours
AGSYSMT 2150 or PHYSICS 1200	Applied Agricultural Mechanics and Electronics/ Mechanics, Kinematics, Fluids, Waves	4-5
AGSYSMT 2305	Professional Development I	2
AGSYSMT 2310	Electrical Power for Agri & Res Applications	2
AGSYSMT 2370	Environmental Hydrology	2
AGSYSMT 2371	Land Surveying for Agricultural & Environmental Systems	2
AGSYSMT 3232	Engines and Power Transmission	3
AGSYSMT 4580	Precision Agriculture	2
AGSYSMT 4605	Professional Development II	1
AGSYSMT 4900	Capstone in Ag. Systems Management I	2
AGSYSMT 4910	Capstone in Ag. Systems Management II	2
AGSYSMT 5600	Agricultural Safety and Health	3
ASM 2120 or CSE 1111	Data Visualization & Communication in Agr/ Intro to Computer-Assisted Problem Solving	3
Credit Hours:		28-29

Specialization Core Coursework (minimum 15 credit hours)		
Course	Title	Hours
AGSYSMT 2240	Basic Metal Fabrication for Agriculture	3
AGSYSMT 2241	Building Materials & Construction in Agriculture	3
AGSYSMT 3360	Agricultural Machinery Management	3
Select from the following courses to meet minimum credit hours		
AGSYSMT 3320	Facilities for Agricultural & Greenhouse Prod.	3
AGSYSMT 3330	Grain Handling, Drying, and Milling	3
AGSYSMT 3586	Digital Agriculture + Lab ❖	4
AGSYSMT 4560	Fuuld Pwr & Electronics in Agr Machinery	3
AGSYSMT 4575	Applied Agricultural Water Management	2
HCS 3100	Introduction to Agronomy	3
Minimum Credit Hours:		15

ASM Supporting Courses (Minor Equivalent)		
Principles of Management Category (choose one)		
AEDECON 3101	Principles of Agribusiness Management	3
BUSMHR 3100	Foundations of Management and HR	3
Accounting Category (choose one)		
AEDECON 2105	Managerial Records and Analysis	3
ACCTMIS 2200	Introduction to Accounting I	3
ACCTMIS 2000	Foundations of Accounting	3
Business Law Category (choose one)		
AEDECON 3170	Agribusiness Law	3
BUSFIN 3500 & BUSFIN 4510	Legal Environment of Business (1.5) & Legal Business Issue (1.5)	3
Supporting Courses Credit Hours		9
ASM Electives: 3 or more Courses from table (minimum 9 cr)		9
Minimum Total Minor Equivalent		18
ASM Electives: Select at least three courses for ASM Electives, at least one in each category (Ag Management and Ag Sciences) <small>*Students are encouraged to take at least one additional AGSYSMT course</small>		
Agricultural Management		
AEDECON 3102	Principles of Agribusiness Marketing	3
AEDECON 3103	Principles of Agribusiness Finance <small>Pre-req: AEDECON 2105 or ACCTMIS 2200</small>	3
AEDECON 3104	Farm Business Management	3
AEDECON 3114	Commodity Futures & Options Markets	3
AEDECON 3121	Salesmanship in Agribusiness	3
AEDECON 3124	Grain Merchandising	3
AEDECON 3160	Human Res Mgmt in Small Business	3
AEDECON 4540	Int'l Commerce & World Economy	3
AGRCOMM 2330	Public Perceptions of Agriculture	4
BUSMHR 2000	Introduction to International Business	1.5
COMLDR 3530	Foundations of Personal and Professional Leadership	3
COMLDR 4430	Leadership in Teams and Community Organizations	3
CONSYSMT 2205	Introduction to Construction Systems Management	3
FABENG/FDSCTE 3400.01	Sustainability of the Food Supply Chain ♦	3
HCS 2307	Sust Agriculture Practical Experience	2
INTSTDS 3850	Introduction to Globalization	3
XXXX 3797	Study Abroad	1-5
XXXX 5797	Study Abroad	1-5
Agricultural Science		
AGSYSMT 3550	Animal & Rural Waste Management	2
AGSYSMT 5560	UAS and Remote Sensing in Agriculture	3
AGSYSMT 5580	Data Analytics in Production Agriculture	3
ANIMSCI 3600	Global Food and Agriculture	3
ENTMLGY 4601	General Insect Pest Management	2
ENR 4260	Soil Resource Management	3
ENR 5270	Soil Fertility	3
HCS 3220	Crop Origins and Diversity	2
Agricultural Science (Continued)		

HCS 3420	Seed Science	3
HCS 5411	Domest & Utilization of Agronomic Crops	3
HCS 5412	Agroecology of Grasslands and Prairies	3
HCS 5422	Biology and Management of Weeds and Invasive Plants	3
FDSCTE 3110	Alternative Packaging for a Greener Planet	4

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.

Bachelor of Science in Agriculture
Major: Agricultural Systems Management
Specialization: Precision Livestock Systems

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: ENR 3000 and 3001* (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:		33-38

* Indicates a pre/corequisite course for this major that also satisfies this GE category. If a student chooses an alternative course 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) & AGSYSMT1100 (0.5)	1
Oral Expression	AGRCOMM 3130 or COMM 2110	3
Additional Science	HCS 2200 and 2206 OR HCS 2204 and 2205	4
Internship	FAES 3191 & AGSYSMT 3191	2
Minor Equiv. ^b	<i>See pg. 2</i>	18-21
Credit Hours:		28-31

^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.

General Education	33-38
Degree Requirements	28-31
Major Supporting Courses.	6
Major Core	28-29
Specialization Core	15
ASM Open Electives	2-11
Minimum Total Credit Hours	121

Major Supporting Coursework		
Course	Title	Hours
Natural Science Category (Choose 1 of the following courses)		
ANIMSCI 2200.01	Introductory to Animal Science	3
ENR 2100	Introduction to Environmental Sciences	3
FDSCTE 2200	The Science of Food	3
Data Analysis Category (Choose 1 of the following courses)		
COMLDR 3537	Data Analysis in the Applied Sciences	3
AEDECON 2005	Data Analysis for Agribusiness and Applied Econ	3
ANIMSCI 2260	Data Analysis & Interpretation for Decision Making	3
HCS 2260	Data Analysis & Interpretation for Decision Making	3
ENR 2000	Natural Resources Data Analysis	3
STAT 1450	Introduction to the Practice of Statistics	3
Credit Hours:		6

Major Core Coursework		
Course	Title	Hours
AGSYSMT 2150 or PHYSICS 1200	Applied Agricultural Mechanics and Electronics/ Mechanics, Kinematics, Fluids, Waves	4-5
AGSYSMT 2305	Professional Development I	2
AGSYSMT 2310	Electrical Power for Agri & Res Applications	2
AGSYSMT 2370	Environmental Hydrology	2
AGSYSMT 2371	Land Surveying for Agricultural & Environmental Systems	2
AGSYSMT 3232	Engines and Power Transmission	3
AGSYSMT 4580	Precision Agriculture	2
AGSYSMT 4605	Professional Development II	1
AGSYSMT 4900	Capstone in Ag. Systems Management I	2
AGSYSMT 4910	Capstone in Ag. Systems Management II	2
AGSYSMT 5600	Agricultural Safety and Health	3
ASM 2120 or CSE 1111	Data Visualization & Communication in Agr/ Intro to Computer-Assisted Problem Solving	3
Credit Hours:		28-29

Specialization Core Coursework (minimum 15 credit hours)		
Course	Title	Hours
AGSYSMT 2241	Building Materials & Construction in Agriculture	3
AGSYSMT 3320	Facilities for Agr & Greenhouse Production	3
AGSYSMT 3550	Animal & Rural Waste Management	2
ANIMSCI 2200.03	Animal Systems	2
Select from the following courses to meet minimum credit hours		
ANIMSCI 3170	Animal Health I	2
AGSYSMT 3330	Grain Handling, Drying, and Milling	3
AGSYSMT 3595	Digital Agriculture❖	3
AGSYSMT 4575	Applied Agricultural Water Management	2
AGSYSMT 4560	Fluid Pwr & Electronics in Agr Machinery	3
AGSYSMT 5580	Data Analytics in Production Agriculture	3
HCS 5412	Agroecology of Grasslands and Prairies	3
Minimum Credit Hours:		15

ASM Supporting Courses (Minor Equivalent)		
Principles of Management Category (choose one)		
AEDECON 3101	Principles of Agribusiness Management	3
BUSMHR 3100	Foundations of Management and HR	3
Accounting Category (choose one)		
AEDECON 2105	Managerial Records and Analysis	3
ACCTMIS 2200	Introduction to Accounting I	3
ACCTMIS 2000	Foundations of Accounting	3
Business Law Category (choose one)		
AEDECON 3170	Agribusiness Law	3
BUSFIN 3500 & BUSFIN 4510	Legal Environment of Business (1.5) & Legal Business Issue (1.5)	3
Supporting Courses Credit Hours		9
ASM Electives: 3 or more Courses from table (minimum 9 cr)		9
Minimum Total Minor Equivalent		18
ASM Electives: Select at least three courses for ASM Electives, at least one in each category (Ag Management and Ag Sciences) <i>*Students are encouraged to take at least one additional AGSYSMT course</i>		
Agricultural Management		
AEDECON 3102	Principles of Agribusiness Marketing	3
AEDECON 3103	Principles of Agribusiness Finance <i>Pre-req: AEDECON 2105 or ACCTMIS 2200</i>	3
AEDECON 3104	Farm Business Management	3
AEDECON 3114	Commodity Futures & Options Markets	3
AEDECON 3121	Salesmanship in Agribusiness	3
AEDECON 3124	Grain Merchandising	3
AEDECON 3160	Human Res Mgmt in Small Business	3
AEDECON 4540	Int'l Commerce & World Economy	3
AGRCOMM 2330	Public Perceptions of Agriculture	4
ANIMSCI 2507	Challenges & Opps for the Dairy Industry	1
COMLDR 3530	Foundations of Personal and Professional Leadership	3
COMLDR 4430	Leadership in Teams and Community Organizations	3
CONSYSMT 2205	Introduction to Construction Systems Management	3
ENR 4260	Soil Resource Management	3
FABENG/FDSCTE 3400.01	Sustainability of the Food Supply Chain❖	3
HCS 2307	Sustainable Agriculture Practical Exp	2
INTSTDS 3850	Introduction to Globalization	3
XXXX 3797	Study Abroad	1-5
XXXX 5797	Study Abroad	1-5
Agricultural Science		
AGSYSMT 2240	Basic Metal Fabrication for Agr.	3
AGSYSMT 3360	Agricultural Machinery Mgt.	3
AGSYSMT 5560	UAS and Remote Sensing in Agriculture	3
ANIMSCI 2221	Introduction to Equine Studies	3
ANIMSCI 2400.05	Human and Animal Interactions	2
ANIMSCI 3100	Animal Growth and Development	3
ANIMSCI 3600	Global Food and Agriculture	3
ANIMSCI 3150	Principles of Genetic Improvement	3

Agricultural Science (Continued)		
ENTMLGY 4601	General Insect Pest Management	2
HCS 5411	Domestic & Utilization of Agronomic Crops	3
HCS 5422	Biology and Management of Weeds and Invasive Plants	3
FDSCTE 3110	Alt. Packaging for a Greener Planet	4

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.