

SUSTAINABLE AGRICULTURE MAJOR (A.S.) INTERESTED IN SUSTAINABLE AGRICULTURE (B.S.)

This model plan of study is presented as a suggested path to graduate in 4 years with an Associate of Science Degree with a major in Horticultural Science and a Bachelor of Science Degree in Agriculture with a major in Sustainable Plant Systems and specialization in Turfgrass Science. It is intended to be a useful guide; however, each student is unique and should review the Degree Requirements and work with their advisor to develop an individualized course plan that best fits their personal academic background and goals.

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

Freshman Year (ATI)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
MATH 1148 should be completed by the end of this year.	AEDECON	2001	Principles of Food and Resource Economics ^a	3	CHEM	1110 or 1210	Elementary Chemistry General Chemistry I	5
ENGLISH 1110 should be completed by the end of this year.	CRPSOIL	1201T	Exploring Agronomy, Sust. Ag. & Crop Mgt & Soil Conserv.	.5	GENED	1201	GE Launch Seminar	1
CHEM 1110 should be completed by the end of this year.	CRPSOIL	2210T	Sustainable Ag Methods	1	HCS	2202 or 2204 & 2205	Form/Func. Cult. Plants or Ecol. of Mgd Plant Syst/Lab	4
Begin to consider study abroad programs.	ENGLISH	1110.01	First-Year English Composition	3	_____	_____	GE Lit, Vis and Perf Arts	3
	ENR	3100	Intro to Sustainable Ag	3	_____	_____	Electives	3
	GENSTDS	1201.01T	College Orientation	.5				
	MATH	1148	College Algebra ^a	4				
			Total:	15			Total:	16
Sophomore Year (ATI)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
Begin to consider an internship location. (Internships are not required for A.S. Degree.)	BIOTECH	2218T	General and Applied Entomology	3	AGRCOMM	3130	Oral Expression in Agric. ^a	3
Apply to graduate from ATI at least one semester before the semester of your graduation.	COMLDR	3537	Data Analysis in the Appl. Sci.	3	BIOLOGY	1113.01	Bio Sci: Energy Transfer and Development ^a	4-5
Maintain at least a 2.0 cumulative GPA.	CRPSOIL	2210T	Sustainable Ag Methods	1	BUSTECH	2241T	Small Business Management	3
Graduate with Associate of Science Degree.	CRPSOIL	2300T	Introduction to Soil Science	3	_____	_____	GE R.E. & G. Diversity	3
	CRPSOIL	2301T	Intro to Soil Science Lab	1	_____	_____	Electives	3
	_____	_____	GE Hist. & Cultural Studies	3				
	_____	_____	Electives	1				
			Total:	15			Total:	16-17
Total credit hours for Associate of Science Degree: 62-63								
Junior Year (Columbus)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
Internship should be completed by end of this summer.	ENR/AEDECON	2500	Intro to Sustainability	3	AEDECON	2580	Feast or Famine: Global Business of Food ^a	3
Half of minor should be completed by the end of the year.	FAES	3191 & 4191.01	Internship	2	AEDECON	4100	Self-employment and Entrepreneurship	3
Apply to graduate from Columbus at least three semesters before the semester of your graduation.	HCS	2307	Farm-Based Practical Exp.	2	ENR	3500	Community, Env. & Dev.	3
	_____	_____	GE Citizenship #1 ^b	3	_____	_____	GE Citizenship #2 ^b	3
	_____	_____	GE Theme Course #1 ^b	3	_____	_____	Production Course/Elective	3-4
	_____	_____	Electives	1				
			Total:	14			Total:	15-16
Senior Year (Columbus)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
Maintain at least a 2.0 GPA in the major, minor, and cumulative.	ENR	5600	Sustainable Agriculture & Food Systems	3	ENR/AEDECON	4567	Assessing Sustainability: (Capstone)	3
Graduate with Bachelor of Science Degree.	GENED	4001	GE Reflection	1	HCS	5602	Ecology of Agriculture	3
	RURLSOC	1500	Introduction to Rural Sociology	3	_____	_____	Minor Course	3
	_____	_____	GE Theme Course #2 ^b	3	_____	_____	Minor Course	3-4
	_____	_____	Minor Course	3-4	_____	_____	Production Course/Elective	3-4
	_____	_____	Production Course/Elective	2				
			Total:	15-16			Total:	15-17
Total credit hours for Bachelor of Science Degree: 121								

^a One possible course from approved CFAES GE list or B.S. major requirement that has multiple options, as outlined in corresponding *Degree Requirements* document.

^b 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.

SUSTAINABLE AGRICULTURE (A.S.) INTERESTED IN SUSTAINABLE AGRICULTURE MAJOR (B.S.)

This advising sheet is for Ohio State ATI students that wish to earn both an Associate of Science (A.S.) Degree with a major in Sustainable Agriculture and a Bachelor of Science (B.S.) Degree with a major in Sustainable Agriculture. The tables below outline the complete degree requirements for the B.S. in Agriculture with a major in Sustainable Agriculture. The underlined courses are those that also fulfill a requirement for the A.S. Sustainable Agriculture major. These courses can count toward both degree programs simultaneously.

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

Table 1. Degree Requirements			
Subject	Course Options	Hours	✓
GE Launch Seminar	<u>GENED 1201</u>	1	
Writing and Information Literacy	<u>ENGLISH 1110.01</u>	3	
Mathematical & Quantitative Reasoning/Data Analysis	<u>MATH 1148</u> , 1130, or 1150	4-5	
Literary, Visual and Performing Arts	<u>Student Choice</u>	3	
Historical & Cultural Studies	<u>Student Choice</u>	3	
Natural Science	<u>BIOLOGY 1113.01</u>	4	
Social & Behavioral Sciences	<u>AEDECON 2001</u> or ECON 2001	3	
Race, Ethnic and Gender Diversity	<u>Student Choice</u>	3	
Theme: Citizenship for a Diverse & Just World ^a	Student Choice	4-6	
Theme: Student Choice ^a	Student Choice	4-6	
GE Reflection	GENED 4001	1	
Survey Courses	<u>GENSTDS 1201.01T*</u> OR FAES 1100 & <u>CRPSOIL 1201T*</u> OR HCS 1100	.5 .5	
Oral Expression	<u>AGRCOMM 3130</u> or COMM 2110	3	
Additional Science	<u>CHEM 1110</u> or <u>1210</u>	5	
Internship	FAES 3191 & HCS 4191.01	2	
Major	See Table 2.	53-54	
Minor ^b	Student Choice	12-15	
Open Electives	Consult advisor for selection.	3-12	
Minimum Total Credit Hours		121	

Table 2. Major Requirements		
Course(s)	Hours	✓
AEDECON/ENR 2500 Introduction to Sustainability	3	
AEDECON 3101 Principles of Agribusiness Management OR BUSTEC 2241T* Small Business Management or AEDECON 4100 Self-employment and Entrepreneurship in the Food, Agriculture, and Resource Sectors	3	
AEDECON/ENR 4567 Assessing Sustainability: Project Experience (Capstone)	3	
ANIMSCI 3600 Global Food and Agriculture or AEDECON 2580 Feast or Famine: The Global Bus. of Food or AEDECON 4597.01 Food, Population and the Environment	3	
ENR 3000 Soil Sci. OR <u>CRPSOIL 2300T*</u> Intro to Soil Sci.	3	
ENR 3001 Soil Sci. Lab OR <u>CRPSOIL 2301T*</u> Intro. Soil Sci. Lab	1	
<u>ENR 3100</u> Introduction to Sustainable Agriculture	3	
ENR 3500 Community, Environment & Development	3	
ENR 5600 Sustainable Agriculture and Food Systems	3	
<u>HCS 2204 & 2205</u> Ecology of Managed Plant Systems & Lab or HCS 2202 Form and Function in Cultivated Plants	4	
HCS 2260, ANIMSCI 2260, ENR 2000, AEDE 2005, <u>COMLDR 3537</u> Data Analysis	3	
HCS 2307 Farm-Based Practical Experience (taken twice) OR <u>CRPSOIL 2210T*</u> Sustainable Agriculture Methods (1 credit taken twice is equivalent to 2 credits of HCS 2307)	4	
HCS 5602 Ecology of Agriculture	3	
PLNTPH 3001 General Plant Pathology or HCS 5422 Biology & Mgmt. of Weeds & Invasive Plants or ENTMLGY 4600 Intro to Insect Sci and 4601 Gen. Insect Pest Mgmt. OR <u>BIOTECH 2218T*</u> Gen. & Applied Entomology	3	
RURLSOC 1500 Introduction to Rural Sociology	3	
Choose 8 - 9 Production Credits from the following:		
AGSYSMT 3550 Animal and Rural Waste Management	2	
ANIMSCI 2200.01 Introductory Animal Sciences	3	
ANIMSCI 2200.02 Introductory Animal Sciences Lab	1	
ANIMSCI 3100 Animal Growth and Development	3	
ANIMSCI 3130 Principles of Animal Nutrition	3	
ANIMSCI 3400 Management Intensive Grazing	2	
ANIMSCI/HCS 5420 Env. Impact of Crop-Livestock Systems	3	
ENTMLGY 4601 General Insect Pest Mgmt. (If not selected above)	2	
FDSCTE 2400 Introduction to Food Processing	3	
FDSCTE 4410 Hazard Analysis and Critical Control Points	2	
HCS 2202 Form & Function in Cultivated Plants (If not selected above)	4	
HCS 2204 & 2205 Ecology of Managed Plant Systems & Lab (If not selected above)	4	
HCS 2305 Organic Gardening	1	
HCS 3100 Introduction to Agronomy	3	
HCS 3220 Crop Origins and Diversity	2	
HCS 3310 Crop Responses to the Environment	3	
HCS 5422 Biology & Management of Weeds & Invasive Plants (If not selected above)	3	
HCS 5450 Vegetable Crop Production and Physiology	3	
PLNTPH 3001 General Plant Pathology (If not selected above)	3	
PLNTPH 5140 Diseases of Field Crops	2	
Total Major Credit Hours	53-54	

^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 complete a minor. A minor should be declared by the time 60 credit hours are accumulated. A minor in Sustainable Agriculture is not permitted.

* courses are only offered at the Wooster (ATI) Campus

Note: A capital **OR** separates a pair of *equivalent* courses, a lowercase **or** separates a choice between *different* courses that fulfill the same requirement

Additional Bachelor's Degree Requirements:

1. A 2.00 cumulative CPHR is required as well as a 2.00 CPHR in the major and minor coursework.
2. Students must complete a minimum of 30 credit hours at The Ohio State University with at least 12 in the department in Columbus offering the major.
3. Applications to graduate must be submitted at least three semesters in advance.