

HORTICULTURAL SCIENCE MAJOR (A.S.) INTERESTED IN SUSTAINABLE PLANT SYSTEMS MAJOR – HORTICULTURE SPECIALIZATION (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 Horticulture. 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
<i>MATH 1148 should be completed by the end of this year.</i>	ENGLISH	1110.01	First-Year English Composition	3	AGRCOMM	2367	Agricultural Issues in Contemp. Society ^a	3
<i>ENGLISH 1110 should be completed by the end of this year.</i>	GENSTDS	1201.01T	College Orientation	.5	BIOLOGY	1113	Energy Transfer and Development	4
<i>CHEM 1110 and BIOLOGY 1113 should be completed by the end of this year.</i>	HORTTEC	1201T	Exploring Horticulture	.5	CHEM	1110	Elementary Chemistry ^a	5
<i>Begin to consider study abroad programs.</i>	HORTTEC	2110T	Plant Materials I	3	HCS	2202	Form and Function in Cultivated Plants	4
	MATH	1148	College Algebra ^a	4				
	RURLSOC	1500	Intro to Rural Sociology ^a	3				
			Total:	14			Total:	16
Sophomore Year (ATI)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>Begin to consider an internship location. (Internships are not required for A.S. Degree.)</i>	BIOTECH	2218T	General and Applied Entomology	3	AEDECON	2001	Principles of Food and Resource Economics ^a	3
<i>Apply to graduate from ATI at least one semester before the semester of your graduation.</i>	COMPSTD	2301	Intro to World Literature ^a	3	HCS	2201	Ecology of Managed Plant Systems	4
<i>Maintain at least a 2.0 cumulative GPA.</i>	CRPSOIL	2300T	Intro to Soil Science	3	HISTORY	1152	Amer. Civilization Since 1877 ^a	3
<i>Graduate with Associate of Science Degree.</i>	CRPSOIL	2301T	Intro to Soil Science Lab	1	MUSIC	2250	Music Cultures of the World ^a	3
	PLNTPTH	3001	General Plant Pathology Lec.	3			Elective	3
	PLNTPTH	3002	General Plant Pathology Lab	2				
			Electives	3				
			Total:	18			Total:	16
					Total credit hours for Associate of Science Degree: 64			
Junior Year (Columbus)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>Internship should be completed by end of this summer.</i>	AGRCOMM	3130	Oral Expression in Ag. ^{a,b}	3	HCS	2260	Data Anal. & Interpret. for Decision Making ^a	3
<i>Half of minor should be completed by the end of the year.</i>	HCS	3200	Horticultural Science	3	HCS	3310	Crop Responses to the Environment	3
<i>Apply to graduate from Columbus at least three semesters before the semester of your graduation.</i>	HCS	3220	Crop Origins and Diversity	2	HCS	3320	Plant Propagation ^b	3
			Hort. specialization elective	3	HCS	5422	Principles of Weed Ecology and Management ^b	3
			Cultures & Ideas/ Hist Study ^b	3			Minor Equivalent ^b	3
			Minor Equivalent ^b	2				
			Total:	16			Total:	15
Senior Year (Columbus)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>Maintain at least a 2.0 GPA in the major, minor, and cumulative.</i>	HCS	4191.01	Internship	2	ENTMLGY	4601 or 4000 or 5608 or 5609 or 5610	General Insect Pest Mgt. General Entomology Turfgrass Insect Pest Mgt. Landscape Orn. Pest Mgt. Greenhouse Pest Mgt.	2-3
<i>Graduate with Bachelor of Science Degree.</i>			Contemporary Issues	3	HCS	5200	Adv. Hort. Sys. (Capstone)	3
			Minor Equivalent ^b	3			Hort. specialization elective	6
			Minor Equivalent ^b	3			Minor Equivalent ^b	3
			Hort. specialization elective	2-3				
			Total:	13-14			Total:	14-15
					Total credit hours for Bachelor of Science Degree: 122-124			

^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 This course requirement may also be completed at ATI and used as an elective in the A.S. degree. See Degree Requirements for complete details.

HORTICULTURAL SCIENCE MAJOR (A.S.) INTERESTED IN SUSTAINABLE PLANT SYSTEMS MAJOR – HORTICULTURE SPECIALIZATION (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 Horticultural Science and a Bachelor of Science (B.S.) Degree with a major in Sustainable Plant Systems and specialization in Horticulture. The tables below outline the complete degree requirements for the B.S. in Agriculture with a major in Sustainable Plant Systems and specialization in Horticulture. The underlined courses are those that also fulfill a requirement for the A.S. Horticultural Science major. These courses can count toward both degree programs simultaneously.

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Subject	Course Options	Hours	✓
Survey Courses	<u>GENSTDS 1201.01T*</u> OR FAES 1100 & <u>HORTTEC 1201T*</u> OR HCS 1100	.5 .5	
Writing Level 1	<u>ENGLISH 1110.01</u>	3	
Writing Level 2	<u>AGRCOMM 2367</u> ● or other course from approved CFAES GE list. ^a	3	
Oral Communication	<u>AGRCOMM 3130</u> or COMM 2110	3	
Math 1	<u>MATH 1148</u> or 1130	4	
Data Analysis	HCS 2260 Recommended or other GE data analysis course	3	
Biological Science (with lab)	<u>BIOLOGY 1113</u>	4	
Physical Science (with lab)	<u>CHEM 1110</u> or 1210	5	
Additional Science	<u>HCS 2201</u>	4	
Social Science 1	<u>RURLSOC 1500</u> ● or SOCIOL 1101●	3	
Social Science 2	<u>AEDECON 2001</u> or ECON 2001	3	
Historical Study	<u>HISTORY 1152</u> or other course from approved CFAES GE list. ^a	3	
Culture & Ideas or Historical Study	<u>RELSTDS 2370</u> ▲ or other course from approved CFAES GE list. ^a	3	
Literature	<u>COMPSTD 2301</u> ▲ or other course from approved CFAES GE list. ^a	3	
Art	<u>MUSIC 2250</u> ▲ or other course from approved CFAES GE list. ^a	3	
Open Option #1	<u>HCS 2202</u>	4	
Contemporary Issues	See approved CFAES GE list. ^a	3	
Internship	HCS 4191.01 or <u>HORTTEC 2191.21T*</u> or <u>2191.22T*</u>	2	
Major	See Table 2.	42-43	
Minor Equivalent ^b	See Table 3.	15-18	
Electives	Consult advisor for selection.	2-7	
Minimum Total Credit Hours		121	

Course(s)	Hours	✓
<u>CRPSOIL 2300T*</u> Intro. to Soil Science OR ENR 3000 Soil Science	3	
<u>BIOTECH 2218T*</u> General and Applied Entomology OR ENTMLGY 4600 Introduction to Insect Science	1	
ENTMLGY 4601 General Insect Pest Management or ENTMLGY 4000 General Entomology or ENTMLGY 5608 Turfgrass Insect Pest Management or ENTMLGY 5609 Landscape Ornamental Pest Management or ENTMLGT 5610 Greenhouse Pest Management	2-3	
HCS 3200 Horticultural Science	3	
HCS 3220 Crop Origins and Diversity	2	
HCS 3310 Crop Responses to the Environment	3	
HCS 3320 Plant Propagation OR <u>HORTTEC 2740T*</u> Propagation of Nursery Plants ^c	3 ^c	
HCS 5200 Advanced Horticultural Systems (Capstone)	3	
HCS 5422 Biology & Mgmt. of Weeds and Invasive Plants	3	
<u>PLNTPH 3001</u> General Plant Pathology Lecture	3	
<u>PLNTPH 3002</u> General Plant Pathology Laboratory	2	
Additional Electives to Complete Specialization: See approved list on the CFAES Majors website under SPS (includes <u>HORTTEC 2110T</u>)	14-15	
Total Major Credit Hours	42-43	

Course(s)	Hours	✓
Choose courses in either of the groups below Group A: Production and Management Group B: Research See approved lists on the CFAES Majors website under SPS	15-18	
Total Minor Equivalent Credit Hours	15-18	

^a Available at www.cfaes.osu.edu/students

^b Students majoring in Sustainable Plant Systems cannot minor in Agronomy, Horticulture, Landscape Design, or Turfgrass.

^c Extra credit hour(s) from ATI courses will count toward the specialization electives.

* 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:

- All students must complete at least one Social Diversity (●) course and two Global Issues (▲) courses. Please see the approved CFAES GE list for additional options.
- A 2.00 cumulative CPHR is required as well as a 2.00 CPHR in the major and minor coursework.
- 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.
- Applications to graduate must be submitted at least three semesters in advance.