

HORTICULTURE: HORTICULTURAL FOOD SAFETY, BSAG

Requirements for Students Matriculating in or before Academic Year 2026-2027. Learn more about University Academic Regulation 3.1 (<https://catalog.okstate.edu/university-academic-regulations/#matriculation>).

Minimum Overall Grade Point Average: 2.00

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (https://catalog.okstate.edu/university-academic-regulations/#english-composition/)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
ENGL 1213	Composition II	3
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Quantitative Thought & Logical Reasoning (Q)</i>		
MATH 1483	Mathematical Functions and Their Uses (Q)	3
or MATH 1513	College Algebra (Q)	
<i>Understanding Humanities-Human Heritage & Cultures (H)</i>		
Courses designated (H)		6
<i>Reasoning in the Natural Sciences (N)</i>		
Must include one Laboratory-Based Inquiry (L) course		
Select from one of the following:		4
BIOL 1114	Introductory Biology (LN) ¹	
BIOL 1113	Introductory Biology (N)	
& BIOL 1111	and Introductory Biology Laboratory (LN) ¹	
PBIO 1404	Plant Biology (LN) ¹	
HORT 1013	Principles of Horticultural Science (LN)	3
<i>Exploring Society & Human Behavior (S)</i>		
AGEC 1113	Introduction to Agricultural Economics (S) ¹	3
<i>Diversity (D)</i>		
Courses designated (D)		3
<i>Global Cultural Competency (G)</i>		
Courses designated (G)		3
<i>Additional General Education</i>		
Additional general education credit hours (at least 3 hours) are required to meet the total 40-hour minimum. If courses carry more than one general education designation and can be used to meet multiple minimum general education designation hours above, more than 3 hours of additional general education will be required here to meet the 40-hour minimum.		
Courses designated (Q), (H), (N), (S), (D), (G), or (F).		3

Hours Subtotal		40
College/Departmental Requirements		
UNIV 1111	First Year Seminar (or other approved first year seminar course)	1
CHEM 1215	Chemical Principles I (LN)	5
SOIL 2124	Fundamentals of Soil Science (N)	4
Select one of the following:		3
AGCM 3103	Written Communications in Agricultural Sciences and Natural Resources	
BCOM 3113	Written Communication	
ENGL 3323	Technical Writing ³	
Select one of the following:		3
AGCM 3203	Oral Communications in Agricultural Sciences & Natural Resources (S) ²	
SPCH 2713	Introduction to Speech Communication (S) ²	
SPCH 3733	Elements of Persuasion (S) ²	
ENTO 2993	Introduction to Entomology (LN)	3
HORT 1011	Horticulture Discovery	1
HORT 2010	Internship in Horticulture or Landscape Management	1
HORT 2513	Herbaceous Plant Materials	3
or HORT 2613	Woody Plant Materials	
HORT 3011	Professional Development for Careers in Horticulture	1
HORT 3153	Turf Management	3
or HORT 3833	Hydroponics and Soilless Crop Production	
HORT 3084	Plant Propagation	4
HORT 3513	Landscape Irrigation	3
HORT 4011	Horticulture Careers Success	1
PLP 4343	Principles of Plant Pathology	3
Hours Subtotal		39
Major Requirements		
HORT 3113	Greenhouse Management	3
HORT 3713	Urban Horticulture Production	3
HORT 3213	Fruit and Nut Production	3
HORT 3433	Commercial Vegetable Production	3
CHEM 1225	Chemical Principles II (LN)	5
CHEM 3013	Survey of Organic Chemistry	3
MICR 2123	Introduction to Microbiology	3
FDSC 1133	Fundamentals of Food Science	3
FDSC 3123	HACCP in the Food Industry	3
FDSC 3133	Plant Sanitation for Food Processing Operations	3
FDSC 3154	Food Microbiology	4
Select 3 hours:		3
FDSC 4143	Food Safety Modernization Act	
FDSC 4233	Food Safety Audit Schemes	
Select 2 hours from HORT		2
Elective		0
Select 0 hours to complete required total for degree		0

Hours Subtotal	41
Total Hours	120

¹ College & Departmental requirements that may be used to meet General Education requirements.

² If used as an additional (S) course above, hours in this block are reduced by three.

³ If ENGL 3323 Technical Writing is substituted for ENGL 1213 Composition II above, then hours in this block are reduced by 3.

Other Requirements

- A minimum of 40 semester credit hours and 100 grade points must be earned in courses numbered 3000 or above.
- A 2.00 GPA or higher in upper-division hours.
- A 2.25 GPA or higher is required in courses listed in the Major Requirements column above.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2032.