

MAJOR IN HORTICULTURE, HORTICULTURAL FOOD CROPS CONCENTRATION, SEED SCIENCE OPTION

Concentration (<http://catalog.colostate.edu/general-catalog/colleges/agricultural-sciences/horticulture-landscape-architecture/horticulture-major-food-crops-concentration/>).

Effective Fall 2021

Requirements

No new students are being admitted into this option. Interested students should see the Major in Horticulture, Horticultural Food Crops

Freshman

		AUCC	Credits
AREC 202	Agricultural and Resource Economics (GT-SS1)	3C	3
BZ 120	Principles of Plant Biology (GT-SC1)	3A	4
CO 150	College Composition (GT-CO2)	1A	3
HORT 100	Horticultural Science	3A	4
HORT 192/LAND 192	Orientation to Horticulture/Landscape Arch		1
MATH 117	College Algebra in Context I (GT-MA1)	1B	1
MATH 118	College Algebra in Context II (GT-MA1)	1B	1
MATH 124	Logarithmic and Exponential Functions (GT-MA1)	1B	1
Select one group from the following:			5-9
Group A:			
CHEM 107	Fundamentals of Chemistry (GT-SC2)	3A	
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)	3A	
Group B:			
CHEM 111	General Chemistry I (GT-SC2)	3A	
CHEM 112	General Chemistry Lab I (GT-SC1)	3A	
CHEM 113	General Chemistry II		
CHEM 114	General Chemistry Lab II		
Diversity and Global Awareness (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-global-awareness)			3
Elective			0-4

Total Credits

30

Sophomore

BZ 223	Plant Identification		3
CHEM 245	Fundamentals of Organic Chemistry		4
HORT 260	Plant Propagation		4
SOCR 240	Introductory Soil Science		4
SPCM 200	Public Speaking		3
Select one course from the following:			3
STAT 201	General Statistics (GT-MA1)	1B	
STAT 301	Introduction to Applied Statistical Methods		
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			6
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)			3

Total Credits

30

Junior

BSPM 302	Applied and General Entomology		2
BSPM 303B	Entomology Laboratory: Horticultural		1
BSPM 361	Elements of Plant Pathology		3
BZ 440	Plant Physiology		3
SOCR 330	Principles of Genetics		3
Select one course from the following:			3-4
BUS 150	Business Computing Concepts and Applications		
CS 110	Personal Computing		
Select one course from the following:			3
HORT 486B	Practicum: General		
HORT 487	Internship		
Select 6-7 credits from the following:			6-7
HORT 310	Greenhouse Management	4B	
HORT 321	Nursery Production and Management		
HORT 341	Turfgrass Management		
HORT 412	Floriculture Crops		
HORT 453	Principles of Fruit Crop Management		
Advanced Writing (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing)		2	3
Total Credits			27-29

Senior

BSPM 308	Ecology and Management of Weeds		3
HORT 451	Vegetable Crop Management		3
HORT 454	Horticulture Crop Production and Management	4A,4C	2
HORT 460/SOCR 460	Plant Breeding and Biotechnology	4B	3
HORT 476	Environmental Plant Stress Physiology		3
Electives ¹			17-19
Total Credits			31-33
Program Total Credits:			120

¹ At least 7 elective credits must be upper division (300- 400-level).
 Select enough elective credits to bring program total to minimum of 120, of which at least 42 must be upper-division.