

MAJOR IN HORTICULTURE, HORTICULTURAL FOOD CROPS CONCENTRATION, PRODUCTION OPTION

Major Completion Map

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

Freshman

Semester 1		Critical	Recommended	AUCC	Credits
BZ 120	Principles of Plant Biology (GT-SC1)			3A	4
CO 150	College Composition (GT-CO2)			1A	3
HORT 192/ LAND 192	Orientation to Horticulture/Landscape Arch				1
MATH 117	College Algebra in Context I (GT-MA1)	X		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
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	
Total Credits					16

Semester 2		Critical	Recommended	AUCC	Credits
AREC 202	Agricultural and Resource Economics (GT-SS1)			3C	3
HORT 100	Horticultural Science			3A	4
Select one group from the following:					4
Group A:					
Electives (If CHEM 107 and CHEM 108 selected in Semester 1.)					
Group B:					
CHEM 113	General Chemistry II				
CHEM 114	General Chemistry Lab II				
Electives					3
CO 150, AUCC 1B (Quantitative Reasoning), and BZ 120 must be completed by the end of Semester 2.					
Total Credits					14

Sophomore

Semester 3		Critical	Recommended	AUCC	Credits
CHEM 245	Fundamentals of Organic Chemistry				4
SOCR 240	Introductory Soil Science	X			4
SPCM 200	Public Speaking				3
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)				3B	3
Total Credits					14

Semester 4		Critical	Recommended	AUCC	Credits
HORT 260	Plant Propagation				4
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)				3B	3
Diversity and Global Awareness (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-global-awareness)				3E	3
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)				3D	3
Total Credits					16
Junior					
Semester 5		Critical	Recommended	AUCC	Credits
BSPM 302	Applied and General Entomology				2
BSPM 303B	Entomology Laboratory: Horticultural				1
HORT 310	Greenhouse Management	X		4B	4
SOCR 350	Soil Fertility Management	X			3
Select one course from the following:					3-4
BUS 150	Business Computing Concepts and Applications				
CS 110	Personal Computing				
Total Credits					13-14
Semester 6		Critical	Recommended	AUCC	Credits
BSPM 361	Elements of Plant Pathology				3
BZ 440	Plant Physiology	X			3
SOCR 330	Principles of Genetics	X			3
Select one course from the following:					3
HORT 486B	Practicum: General				
HORT 487	Internship				
Advanced Writing (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing)				2	3
Total Credits					15
Senior					
Semester 7		Critical	Recommended	AUCC	Credits
BSPM 308	Ecology and Management of Weeds	X			3
HORT 451	Vegetable Crop Management				3
HORT 453	Principles of Fruit Crop Management				3
Electives					6
Total Credits					15
Semester 8		Critical	Recommended	AUCC	Credits
HORT 454	Horticulture Crop Production and Management	X		4A,4C	2
HORT 460/ SOCR 460	Plant Breeding and Biotechnology				3
HORT 476	Environmental Plant Stress Physiology	X			3
SOCR 370	Climate-Smart Irrigation Principles	X			2
Electives					6-7
The benchmark courses for the 8th semester are the remaining courses in the entire program of study.					
Total Credits					16-17
Program Total Credits:					120