

MAJOR IN HORTICULTURE, HORTICULTURAL FOOD CROPS CONCENTRATION

Major Completion Map

Freshman

Semester 1		Critical	Recommended	AUCC	Credits
BZ 120	Principles of Plant Biology (GT-SC1)	X		3A	4
CO 150	College Composition (GT-CO2)	X		1A	3
HORT 192/ LAND 192	Orientation to Horticulture/Landscape Arch	X			1
MATH 117	College Algebra in Context I (GT-MA1)	X		1B	1
MATH 118	College Algebra in Context II (GT-MA1)	X		1B	1
MATH 124	Logarithmic and Exponential Functions (GT-MA1)	X		1B	1
Select one group from the following:		X			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)	X		3C	3
HORT 100	Horticultural Science	X		3A	4
Select one group from the following:		X			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				X	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	X			4
SOCR 240	Introductory Soil Science	X			4
SPCM 200	Public Speaking	X			3
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3

Total Credits

14

Semester 4		Critical	Recommended	AUCC	Credits
HORT 260	Plant Propagation	X			4
Select one course from the following:		X			3
STAT 201	General Statistics (GT-MA1)			1B	
STAT 301	Introduction to Applied Statistical Methods				

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Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)	X	3B	3
Diversity, Equity, and Inclusion (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion)	X	1C	3
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)	X	3D	3

Total Credits **16**

Junior

Semester 5	Critical	Recommended	AUCC	Credits
BSPM 302 Applied and General Entomology	X			2
BSPM 303B Entomology Laboratory: Horticultural	X			1
HORT 310 Greenhouse Management	X		4B	4
SOCR 350 Soil Fertility Management	X			3
Select one course from the following:	X			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	X			3
BZ 440 Plant Physiology	X			3
SOCR 330 Principles of Genetics	X			3
Select one course from the following:	X			3
HORT 486B Practicum: General				
HORT 487 Internship				
Advanced Writing (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing)		X	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	X			3
HORT 453 Principles of Fruit Crop Management	X			3
Electives		X		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	X			6-7
The benchmark courses for the 8th semester are the remaining courses in the entire program of study.	X			

Total Credits **16-17**

Program Total Credits: **120**