MAJOR IN HORTICULTURE, HORTICULTURAL FOOD CROPS CONCENTRATION

Requirements
Effective Fall 2022

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		
Electives			3-7
	Total Credits		**30**

Sophomore

		AUCC	Credits
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)		3B	6
Diversity, Equity, and Inclusion (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion)		1C	3
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)		3D	3
	Total Credits		**30**

Junior

		AUCC	Credits
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
HORT 310	Greenhouse Management	4B	4
SOCR 330	Principles of Genetics		3
SOCR 350	Soil Fertility Management		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		
Advanced Writing (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing)		2	3
Total Credits			**28-29**
Senior			
BSPM 308	Ecology and Management of Weeds		3
HORT 451	Vegetable Crop Management		3
HORT 453	Principles of Fruit Crop Management		3
HORT 454	Horticulture Crop Production and Management	4A,4C	2
HORT 460/SOCR 460	Plant Breeding and Biotechnology		3
HORT 476	Environmental Plant Stress Physiology		3
SOCR 370	Climate-Smart Irrigation Principles		2
Electives[1]			12-13
Total Credits			**31-32**
Program Total Credits:			**120**

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