

# 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/>).

## Major Completion Map

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

### 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	
<b>Total Credits</b>					<b>16</b>

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				
Diversity and Global Awareness ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-global-awareness">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-global-awareness</a> )				3E	3
CO 150, AUCC 1B (Quantitative Reasoning), and BZ 120 must be completed by the end of Semester 2.		X			
<b>Total Credits</b>					<b>14</b>

### Sophomore

Semester 3		Critical	Recommended	AUCC	Credits
BZ 223	Plant Identification				3
CHEM 245	Fundamentals of Organic Chemistry				4
SOCR 240	Introductory Soil Science	X			4
SPCM 200	Public Speaking				3
<b>Total Credits</b>					<b>14</b>
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 ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities</a> )					6
Historical Perspectives ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives</a> )					3
<b>Total Credits</b>					<b>16</b>
<b>Junior</b>					
<b>Semester 5</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
BSPM 302	Applied and General Entomology				2
BSPM 303B	Entomology Laboratory: Horticultural				1
Select one course from the following:					3-4
BUS 150	Business Computing Concepts and Applications				
CS 110	Personal Computing				
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				
<b>Total Credits</b>					<b>12-14</b>
<b>Semester 6</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
BSPM 361	Elements of Plant Pathology				3
BZ 440	Plant Physiology	X			3
SOCR 330	Principles of Genetics				3
Select one course from the following:					3
HORT 486B	Practicum: General				
HORT 487	Internship				
Advanced Writing ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing</a> )					2
<b>Total Credits</b>					<b>15</b>
<b>Senior</b>					
<b>Semester 7</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
BSPM 308	Ecology and Management of Weeds	X			3
HORT 451	Vegetable Crop Management	X			3
Electives					9
<b>Total Credits</b>					<b>15</b>
<b>Semester 8</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
HORT 454	Horticulture Crop Production and Management	X		4A,4C	2
HORT 460/ SOCR 460	Plant Breeding and Biotechnology			4B	3
HORT 476	Environmental Plant Stress Physiology	X			3
Electives					8-10
The benchmark courses for the 8th semester are the remaining courses in the entire program of study.					X
<b>Total Credits</b>					<b>16-18</b>
<b>Program Total Credits:</b>					<b>120</b>