

MAJOR IN HORTICULTURE, HORTICULTURAL SCIENCE CONCENTRATION

Major Completion Map

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
CHEM 111	General Chemistry I (GT-SC2)	X		3A	4
CHEM 112	General Chemistry Lab I (GT-SC1)	X		3A	1
HORT 192/ LAND 192	Orientation to Horticulture/Landscape Arch				1
MATH 124	Logarithmic and Exponential Functions (GT-MA1)			1B	1
MATH 125	Numerical Trigonometry (GT-MA1)			1B	1

Total Credits **15**

Semester 2		Critical	Recommended	AUCC	Credits
CHEM 113	General Chemistry II				3
CHEM 114	General Chemistry Lab II				1
HORT 100	Horticultural Science			3A	4
MATH 126	Analytic Trigonometry (GT-MA1)			1B	1
1C (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#aucc)				1C	3
Social and Behavioral Sciences (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#social-behavioral-sciences)				3C	3
CO 150 and AUCC 1B must be completed by the end of Semester 2.		X			

Total Credits **15**

Sophomore

Semester 3		Critical	Recommended	AUCC	Credits
PH 121	General Physics I (GT-SC1)	X		3A	5
SPCM 200	Public Speaking				3
Select one course from the following:					3-4
BUS 150	Business Computing Concepts and Applications				
CS 110	Personal Computing				
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)				3B	3
BZ 120 must be completed by the end of Semester 3.		X			

Total Credits **14-15**

Semester 4		Critical	Recommended	AUCC	Credits
HORT 260	Plant Propagation				4
PH 122	General Physics II (GT-SC1)			3A	5
Advanced Writing (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing)				2	3
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)				3D	3
CHEM 113 must be completed by the end of Semester 4.		X			

Total Credits **15**

<i>Junior</i>					
Semester 5		Critical	Recommended	AUCC	Credits
MATH 155	Calculus for Biological Scientists I (GT-MA1)	X		1B	4
SOCR 330	Principles of Genetics				3
Select one group from the following:					5-6
Group A:					
CHEM 245	Fundamentals of Organic Chemistry				
CHEM 246	Fundamentals of Organic Chemistry Laboratory				
Group B:					
CHEM 341	Modern Organic Chemistry I				
CHEM 343	Modern Organic Chemistry II				
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)				3B	3
Elective					0-1
Total Credits					16
Semester 6		Critical	Recommended	AUCC	Credits
BZ 440	Plant Physiology				3
SOCR 240	Introductory Soil Science				4
STAT 301	Introduction to Applied Statistical Methods				3
If Group B taken Semester 5, take the following:					0-2
CHEM 344	Modern Organic Chemistry Laboratory				5
HORT XXX					5
Elective					0-2
CHEM 245 and CHEM 341 must be completed by the end of Semester 6.		X			
Total Credits					17
<i>Senior</i>					
Semester 7		Critical	Recommended	AUCC	Credits
BC 351	Principles of Biochemistry				4
BSPM 302	Applied and General Entomology	X			2
BSPM 303B	Entomology Laboratory: Horticultural	X			1
HORT 310	Greenhouse Management			4B	4
HORT 495	Independent Study				2
HORT XXX					2
Total Credits					15
Semester 8		Critical	Recommended	AUCC	Credits
BSPM 361	Elements of Plant Pathology	X			3
HORT 454	Horticulture Crop Production and Management	X		4A,4C	2
HORT 476	Environmental Plant Stress Physiology	X			3
HORT XXX					4
Electives					0-1
The benchmark courses for the 8th semester are the remaining courses in the entire program of study.		X			
Total Credits					12-13
Program Total Credits:					120