

# MAJOR IN ENVIRONMENTAL HORTICULTURE, NURSERY AND LANDSCAPE MANAGEMENT CONCENTRATION

landscape management firm. Nursery specialists produce trees, shrubs, groundcovers, and herbaceous perennials for the landscape industry. Graduates become nursery and landscape managers who oversee and manage general landscape operations; choose the type and quantity of horticultural plants to be grown; select and purchase seed, fertilizers, and pest control chemicals; hire employees, direct and coordinate work activities; manage record-keeping, and implement marketing plans. Supporting courses are taught in plant and soil science, pest management, business management, horticulture and plant materials. An internship is required to ensure graduates have practical experience.

## Requirements Effective Fall 2022

Nursery and Landscape Management provides extensive training in landscape plant culture and use; and also develops skills needed to start and manage a nursery, garden center, arboriculture, or

### Freshman

		AUCC	Credits
AREC 202	Agricultural and Resource Economics (GT-SS1)	3C	3
BUS 150 or CS 110	Business Computing Concepts and Applications Personal Computing		3-4
BZ 120	Principles of Plant Biology (GT-SC1)	3A	4
CHEM 107	Fundamentals of Chemistry (GT-SC2)	3A	4
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)	3A	1
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
Electives			3-4
<b>Total Credits</b>			<b>30</b>

### Sophomore

BZ 223	Plant Identification		3
HORT 221	Landscape Plants		4
HORT 260	Plant Propagation		4
SOCR 240	Introductory Soil Science		4
SPCM 200	Public Speaking		3
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	3
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> )		3B	3
Diversity, Equity, and Inclusion ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion</a> )		1C	3
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> )		3D	3
<b>Total Credits</b>			<b>30</b>

### Junior

BSPM 302	Applied and General Entomology		2
BSPM 303B	Entomology Laboratory: Horticultural		1
CHEM 245	Fundamentals of Organic Chemistry		4
HORT 310	Greenhouse Management	4B	4
HORT 321	Nursery Production and Management	4A	4
HORT 322	Herbaceous Plants		3

HORT 331	Landscape Design		2
HORT 341	Turfgrass Management		3
HORT 487 <sup>1</sup>	Internship		3
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> )			3B
Electives			1
<b>Total Credits</b>			<b>30</b>
<b>Senior</b>			
AREC 328	Small Agribusiness Management		3
BSPM 308	Ecology and Management of Weeds		3
BSPM 361	Elements of Plant Pathology		3
BZ 440	Plant Physiology		3
HORT 370	Landscape Irrigation		1
HORT 464A	Arboriculture	4C	3
HORT 465	Landscape Estimating		3
SOCR 370	Climate-Smart Irrigation Principles		2
Electives			9
<b>Total Credits</b>			<b>30</b>
<b>Program Total Credits:</b>			<b>120</b>

<sup>1</sup> For internship requirement, refer to departmental policy.

## Major Completion Map

### Freshman

Semester 1		Critical	Recommended	AUCC	Credits
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)	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 course from the following:					3-4
BUS 150	Business Computing Concepts and Applications				
CS 110	Personal Computing				
Electives					4
<b>Total Credits</b>					<b>15</b>

### Semester 2

Semester 2		Critical	Recommended	AUCC	Credits
AREC 202	Agricultural and Resource Economics (GT-SS1)			3C	3
BZ 120	Principles of Plant Biology (GT-SC1)			3A	4
CHEM 107	Fundamentals of Chemistry (GT-SC2)			3A	4
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)			3A	1
CO 150	College Composition (GT-CO2)	X		1A	3
<b>Total Credits</b>					<b>15</b>

### Sophomore

Semester 3		Critical	Recommended	AUCC	Credits
BZ 223	Plant Identification				3
HORT 221	Landscape Plants				4
SPCM 200	Public Speaking				3
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> )				3B	3

Diversity, Equity, and Inclusion ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion</a> )	1C	3
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<b>Total Credits</b>		<b>16</b>
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<b>Semester 4</b>	<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
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HORT 260	Plant Propagation			4
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SOCR 240	Introductory Soil Science			4
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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		3
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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> )		3D		3
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<b>Total Credits</b>		<b>14</b>
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**Junior**

<b>Semester 5</b>	<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
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BSPM 302	Applied and General Entomology			2
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BSPM 303B	Entomology Laboratory: Horticultural			1
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HORT 310	Greenhouse Management		4B	4
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HORT 322	Herbaceous Plants			3
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HORT 341	Turfgrass Management			3
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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> )		3B		3
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<b>Total Credits</b>		<b>16</b>
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<b>Semester 6</b>	<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
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CHEM 245	Fundamentals of Organic Chemistry			4
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HORT 321	Nursery Production and Management		4A	4
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HORT 331	Landscape Design			2
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HORT 487	Internship			3
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Elective				1
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<b>Total Credits</b>		<b>14</b>
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**Senior**

<b>Semester 7</b>	<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
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AREC 328	Small Agribusiness Management	X		3
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BSPM 308	Ecology and Management of Weeds	X		3
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HORT 464A	Arboriculture	X	4C	3
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HORT 465	Landscape Estimating	X		3
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Elective				3
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<b>Total Credits</b>		<b>15</b>
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<b>Semester 8</b>	<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
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BSPM 361	Elements of Plant Pathology	X		3
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BZ 440	Plant Physiology	X		3
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HORT 370	Landscape Irrigation	X		1
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SOCR 370	Climate-Smart Irrigation Principles	X		2
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Electives		X		6
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The benchmark courses for the 8th semester are the remaining courses in the entire program of study.		X		
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<b>Total Credits</b>		<b>15</b>
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<b>Program Total Credits:</b>		<b>120</b>
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