

Horticultural Science Management (AAS): Small Scale Farming Concentration

To see more about what you will learn in this program, visit the Learning Outcomes website (<https://apps.oirp.ncsu.edu/pgas/>)!

The horticultural science management major is for students interested in growing, installing, and/or maintaining ornamentals, landscape plants and edibles. This program provides a foundation of science-based horticultural knowledge while emphasizing artistic and nutritional principles of plant use. Internships are required to reinforce classroom principles and vary based on the individual. The horticultural science management major offers concentrations in small-scale farming and ornamentals and landscape technology.

With this major, graduates can pursue careers in:

- Production Manager
- Horticulture Entrepreneur
- Landscape Foreman
- Pest Management Technician
- Small Farm Manager

To learn more about this major, including contact information, please visit our website (<https://cals.ncsu.edu/agricultural-institute/students/majors/#horticultural-science-management>).

Coordinator

Mr. Lee Ivy
 Program Coordinator
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Plan Requirements

Code	Title	Hours	Counts towards
Orientation			
HS 101	Introduction to Ornamentals and Landscape Technology	1	
English			
WRT 111	Expository Writing ¹	3	
WRT 114	Professional Writing, Research and Reporting ¹	3	
Mathematics			
MAA 102	Mathematics in Agriculture and Related Sciences ¹	3	

MA 103	Topics in Contemporary Mathematics	3
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HSM Degree Requirements

ARE 201	Introduction to Agricultural & Resource Economics	3
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ARE 115	Agribusiness Accounting	3
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SOC 203A	Current Social Problems	3
or SOC 241A	Sociology of Agriculture and Rural Society	

GEP US Diversity, Equity, and Inclusion (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-usdei/)		3
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AGI 191 & AGI 192	Professional Development and AGI External Learning Experience	2
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Physical Education

GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		1
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Concentration Electives

Select one of the following ANS/PO Electives:		3
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ANS 103	Beef Production	
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ANS 104	Swine Production and Management	
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PO 150	Poultry Management	
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Select one of the following BAE Electives:		3
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BAE 123	Light Equipment Technology	
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BAE 133	Agricultural Tractors and Machinery	
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Select one of the following ENT Electives:		3
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ENT 110	General Entomology	
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ENT 121	Pesticides and Their Utilization	
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Select one of the following HS Electives:		3
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ENT 121	Pesticides and Their Utilization	
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HS 131	Fruit & Vegetable Production	
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Major Field of Study

HS 115	Plant Growth and Development	3
SSC 112	Principles of Soil Science	4
HS 121	Plant Propagation	4
HS 144	Weeds & Diseases of Ornamentals	3
CS 152	Weed Control in Field Crops	3
HS 141	Greenhouse Crop Production	4
Free Electives		
Free Electives ²		6
Total Hours		67

¹ A grade of C- or higher is required.

² Students should consult their academic advisors to determine which courses fill this requirement.

Semester Sequence

This is a sample.

Freshman Year

Fall Semester		Hours
WRT 111	Expository Writing	3
MAA 102	Mathematics in Agriculture and Related Sciences	3
HS 101	Introduction to Ornamentals and Landscape Technology	1
HS 115	Plant Growth and Development	4
SOC 203A or SOC 241A	Current Social Problems or Sociology of Agriculture and Rural Society	3
SSC 112	Principles of Soil Science	4
Hours		18

Spring Semester

WRT 114	Professional Writing, Research and Reporting	3
MA 103A	Topics in Contemporary Mathematics	3
HS 121	Plant Propagation	3
GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		1
BAE Elective (p. 1)		3
HS Elective (p. 1)		3
Hours		16

Sophomore Year

Fall Semester		Hours
ARE 201A	Introduction to Agricultural & Resource Economics	3
HS 144	Weeds & Diseases of Ornamentals	3
CS 152	Weed Control in Field Crops	3
ENT Elective (p. 1)		3

ANS/PO Elective (p. 1)		3
Hours		15
Spring Semester		
ARE 115	Agribusiness Accounting	3
GEP US Diversity, Equity, and Inclusion (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-usdei/)		3
HS 141	Greenhouse Crop Production	3
Free Electives		6
Hours		15
Total Hours		64