

Horticultural Science Management (AAS): Ornamentals and Landscape Technology 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 ornamentals and landscape technology and small-scale farming.

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
HSM Degree Requirements		
ARE 115	Agribusiness Accounting	3
ARE 201A	Introduction to Agricultural & Resource Economics	3
SOC 203A	Current Social Problems	3
or SOC 241A	Sociology of Agriculture and Rural Society	
Humanities/VPA Elective		3
GEP Humanities (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/)		
GEP Visual and Performing Arts (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-visual-performing-arts/)		
AGI 191 & AGI 192	Professional Development and AGI External Learning Experience	2
Physical Education		
GEP Health and Exercise Studies	(http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)	1
Major Field of Study		
HS 111	Plant Identification	3
HS 115	Plant Growth and Development	3
HS 121	Plant Propagation	3
HS 144	Weeds & Diseases of Ornamentals	3
HS 162	Landscape Maintenance	3
SSC 112	Principles of Soil Science	4
BAE 123	Light Equipment Technology	3
ENT 163	Ornamental & Turf Insects	3
HS Advised Courses		

HS 141	Greenhouse Crop Production	3
or HS 151	Nursery Production	
HS 131	Fruit & Vegetable Production	3
or HS 171	Landscape Construction	
Free Electives		
Free Electives ²		6
Total Hours		65

HS Advised Courses (p. 1)	3
Free Elective	3
Hours	15
Total Hours	63

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.

First 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 111 Plant Identification	3
HS 115 Plant Growth and Development	3
SOC 203A Current Social Problems	3
Hours	16

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
HS Advised Courses (p. 1)	1
Free Elective	3
AGI 191 Professional Development	1
Hours	15

Second Year

Fall Semester

ARE 201A Introduction to Agricultural & Resource Economics	3
HS 144 Weeds & Diseases of Ornamentals	3
HS 162 Landscape Maintenance	3
SSC 112 Principles of Soil Science	4
GEP HUM/VPA Elective	3
AGI 192 AGI External Learning Experience	1
Hours	17

Spring Semester

ARE 115 Agribusiness Accounting	3
BAE 123 Light Equipment Technology	3
ENT 163 Ornamental & Turf Insects	3