

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 201	Introduction to Agricultural & Resource Economics	3
ARE 115	Agribusiness Accounting	3
SOC 203A	Current Social Problems	3
or SOC 241A	Sociology of Agriculture and Rural Society	
GEP Additional Breadth (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/) (Humanities/Social Sciences/Visual and Performing Arts)		3
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

Free Elective	3
Hours	6
Total Hours	15

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	
MAA 102 Mathematics in Agriculture and Related Sciences	
HS 101 Introduction to Ornamentals and Landscape Technology	
HS 111 Plant Identification	
HS 115 Plant Growth and Development	
SOC 203A Current Social Problems	
Hours	0

Spring Semester

WRT 114 Professional Writing, Research and Reporting	
MA 103A Topics in Contemporary Mathematics	
HS 121 Plant Propagation	
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	
Hours	5

Second Year

Fall Semester

ARE 201A Introduction to Agricultural & Resource Economics	
HS 144 Weeds & Diseases of Ornamentals	
HS 162 Landscape Maintenance	
SSC 112 Principles of Soil Science	
GEP Additional Breadth (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/) (Humanities/Social Sciences/Visual and Performing Arts)	3
AGI 192 AGI External Learning Experience	1
Hours	4

Spring Semester

ARE 115 Agribusiness Accounting	
BAE 123 Light Equipment Technology	
ENT 163 Ornamental & Turf Insects	
HS Advised Courses (p. 1)	3