

Turfgrass Management (AAS)

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

The Turfgrass Management program is designed for students who have an appreciation for working outdoors or for the challenge of creating and maintaining beautiful surroundings.

Turfgrass managers establish and maintain grasses for functional (erosion control), recreational, and ornamental purposes. They manage people and budgets and use their knowledge of plants and soils to produce high-quality, visually-appealing turfgrass areas. There are ample employment opportunities for well-trained managers in this industry.

Career possibilities include:

- Lawn Care
- Athletic Field Manager
- Golf Course Superintendent
- Parks and Recreation Management
- Sod Production and Installation

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

Mrs. Emily Erickson
Program Coordinator and Advisor

Plan Requirements

Code	Title	Hours	Counts towards
Orientation			
CS 101	Field Crop and Turfgrass Management Orientation	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	
General Requirements			
ARE 201	Introduction to Agricultural & Resource Economics	3	

ARE 115	Agribusiness Accounting	3
SOC 203	Current Social Problems	3
GEP Additional Breadth (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/) (Humanities/Social Sciences/Visual and Performing Arts)		3
Physical Education		
GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		1
Major Requirements		
CS 121	Turfgrasses and Their Uses	3
CS 122	Principles of Turfgrass Management	3
CS 154	Turf Weed and Disease Management	3
CS 155	Advanced Turf Management	3
CS 190	Turf Seminar	1
HS 111	Plant Identification	3
HS 115	Plant Growth and Development	3
HS 162	Landscape Maintenance	3
ENT 121	Pesticides and Their Utilization	3
ENT 163	Ornamental & Turf Insects	3
SSC 112	Principles of Soil Science	4
SSC 151	Fertilizers and Soil Fertility	3
Free Electives		
Free Electives ²		3
Total Hours		64

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 ¹	3
CS 101 Field Crop and Turfgrass Management Orientation	1

CS 121	Turfgrasses and Their Uses	3
HS 115	Plant Growth and Development	3
HS 111	Plant Identification	3
SSC 112	Principles of Soil Science	4
Hours		17

Spring Semester

WRT 114	Professional Writing, Research and Reporting ¹	3
ARE 115	Agribusiness Accounting	3
MAA 102	Mathematics in Agriculture and Related Sciences ²	3
CS 122	Principles of Turfgrass Management	3
CS 190	Turf Seminar	1
Free Elective		3
Hours		16

Second Year**Fall Semester**

MA 103A	Topics in Contemporary Mathematics	3
CS 154	Turf Weed and Disease Management	3
CS 155	Advanced Turf Management	3
ENT 121	Pesticides and Their Utilization	3
HS 162	Landscape Maintenance	3
Hours		15

Spring Semester

ARE 201A	Introduction to Agricultural & Resource Economics	3
ENT 163	Ornamental & Turf Insects	3
SOC 203A	Current Social Problems	3
SSC 151	Fertilizers and Soil Fertility	3
GEP Additional Breadth (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/) (Humanities/Social Sciences/Visual and Performing Arts)		3
GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		1
Hours		16

Total Hours		64
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¹ WRT 111 Expository Writing and WRT 114 Professional Writing, Research and Reporting must be completed with a C-minus or higher grade for transfer to an NC State baccalaureate program.

² MAA 102 Mathematics in Agriculture and Related Sciences must be completed with a C- minus or higher grade.