

Turfgrass Management (AAS)

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
Orientation		
AGI 101	Introduction to the Agricultural Institute	1
English		
WRT 111	Expository Writing ¹	3
WRT 114	Professional Writing, Research and Reporting	3
Mathematics		
MAA 102	Mathematics in Agriculture and Related Sciences ¹	3
MA 103	Topics in Contemporary Mathematics	3
General Requirements		
AGI 191	Professional Development	1
AGI 192	AGI External Learning Experience	3
ARE 115	Agribusiness Accounting	3
ARE 201	Introduction to Agricultural & Resource Economics	3
or ARE 201A	Introduction to Agricultural & Resource Economics	
Sociology		3
SOC 203	Current Social Problems	
or SOC 203A	Current Social Problems	
SOC 241	Sociology of Agriculture and Rural Society	
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/)		

Physical Education

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

Total Hours **65**

¹ A grade of C- or higher is required.

Semester Sequence

This is a sample.

First Year

Fall Semester		Hours
AGI 101	Introduction to the Agricultural Institute	1
CS 121	Turfgrasses and Their Uses	3
HS 111	Plant Identification	3
HS 115	Plant Growth and Development	3
MAA 102	Mathematics in Agriculture and Related Sciences	3
SSC 112	Principles of Soil Science	4
Hours		17

Spring Semester

AGI 191	Professional Development	1
ARE 115	Agribusiness Accounting	3
CS 122	Principles of Turfgrass Management	3
CS 190	Turf Seminar	1
MA 103	Topics in Contemporary Mathematics	3
or MA 103A	Topics in Contemporary Mathematics	
WRT 111	Expository Writing	3
Hours		14

Second Year

Fall Semester

AGI 192	AGI External Learning Experience	3
CS 154	Turf Weed and Disease Management	3
ENT 121	Pesticides and Their Utilization	3
HS 162	Landscape Maintenance	3
SOC 203	Current Social Problems	3
or SOC 203A	Current Social Problems	

WRT 114	Professional Writing, Research and Reporting	3
Hours		18
Spring Semester		
ARE 201A	Introduction to Agricultural & Resource Economics	3
CS 155	Advanced Turf Management	3
ENT 163	Ornamental & Turf Insects	3
SSC 151	Fertilizers and Soil Fertility	3
Humanities/VPA Elective		3
GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		1
Hours		16
Total Hours		65

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.

Career Opportunities

Career Titles

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

Learn More About Careers

NCcareers.org (<https://nccareers.org/>)

Explore North Carolina's central online resource for students, parents, educators, job seekers and career counselors looking for high quality job and career information.

Occupational Outlook Handbook (<https://www.bls.gov/ooh/>)

Browse the Occupational Outlook Handbook published by the Bureau of Labor Statistics to view state and area employment and wage statistics. You can also identify and compare similar occupations based on your interests.

Career One Stop Videos (<https://www.careeronestop.org/>)

View videos that provide career details and information on wages, employment trends, skills needed, and more for any occupation. Sponsored by the U.S. Department of Labor.

Focus 2 Career Assessment (<https://careers.dasa.ncsu.edu/explore-careers/career-assessments/>) (NC State student email address required)

This career, major and education planning system is available to current NC State students to learn about how your values, interests, competencies, and personality fit into the NC State majors and your future career. An NC State email address is required to create an account. Make an appointment with your career counselor (<https://careers.dasa.ncsu.edu/about/hours-appointments/>) to discuss the results.