

# Turfgrass Management Technology

The Turfgrass Management Technology Curriculum is designed to prepare individuals for various careers in high-end turfgrass management. Classroom instruction and practical laboratory applications of turfgrass management principles and practices are included in the program of study.

Course work includes turfgrass management, plant science, plant materials, propagation, soils, fertilizers, and pest management. Turfgrass Management Technology is a program that focuses on:

- The management and care of turfgrass, including golf courses, sports fields, and lawns.
- The management of technical and business operations connected with turfgrass services and businesses.
- The basic scientific principles are needed to understand plants and their management and care.

Also included are courses in turfgrass management, irrigation, ornamental horticulture, soil science, entomology, plant pathology, and courses in communications, computers, and the social sciences.

Graduates should qualify for employment opportunities in turfgrass and landscape operations, golf courses, local, state, national parks, sports complexes, highway vegetation, turf maintenance companies, and private and public gardens. Graduates also should be prepared to take the following exams:

1. the licensed pesticide applicators exam, and
2. the ISA (International Society of Arboriculture) certified arborist exam.

For specific information about potential positions and wages in turfgrass management employment, visit the Central Piedmont Career Coach website.

## Turfgrass Management Technology (A15420)

### Degree Awarded

The college awards the Associate in Applied Science in Turfgrass Management Technology upon completion of this program.

### Admissions

- A high school diploma or equivalent (available through Central Piedmont) is required.
- Central Piedmont placement tests are required in English and Mathematics. Developmental Studies Mathematics and English courses are available for students to build basic skills and knowledge.
- Advising and orientation appointments follow placement testing.
- Many courses have prerequisites or co-requisites; check the Courses section for details.

### Contact Information

The Turfgrass Management Technology program is in the Education & Training Division. For more information, call the Program Chair at 704.330.4826.

### General Education Requirements

ENG 111	Writing and Inquiry	3.0
Select 3 credits of the following:		3.0
COM 110	Introduction to Communication	
COM 231	Public Speaking	
Select 3 credits of the following:		3.0
MAT 110	Mathematical Measurement and Literacy	
MAT 121	Algebra/Trigonometry I	
MAT 143	Quantitative Literacy	
MAT 152	Statistical Methods I	
MAT 171	Precalculus Algebra	
Select 3 credits of the following:		3.0
ART 111	Art Appreciation	
ART 114	Art History Survey I	
ART 115	Art History Survey II	
DRA 111	Theatre Appreciation	
HUM 120	Cultural Studies	
HUM 130	Myth in Human Culture	
MUS 110	Music Appreciation	
MUS 112	Introduction to Jazz	
PHI 215	Philosophical Issues	
PHI 240	Introduction to Ethics	
REL 110	World Religions	
Select 3 credits of the following:		3.0
ECO 251	Principles of Microeconomics	
ECO 252	Principles of Macroeconomics	
HIS 111	World Civilizations I	
HIS 112	World Civilizations II	
HIS 131	American History I	
HIS 132	American History II	
POL 120	American Government	
PSY 150	General Psychology	
SOC 210	Introduction to Sociology	
<b>Major Requirements</b>		
TRF 110	Introduction Turfgrass Cultivation & Id And Identification	4.0
TRF 120	Turfgrass Irrigation and Design	4.0
TRF 152	Landscape Maintenance	3.0
HOR 166	Soils and Fertilizers	3.0
TRF 210	Turfgrass Eqmt Mgmt	3.0
TRF 230	Turfgrass Mgmt Apps	2.0
TRF 240	Turfgrass Pest Control	3.0
or HOR 164	Horticultural Pest Management	
TRF 260	Adv Turfgrass Mgmt	4.0
TRF 220	Turfgrass Calculations	2.0
TRF 250	Golf /Sport Field Const	4.0
HOR 160	Plant Materials I	3.0
HOR 162	Applied Plant Science	3.0
SPA 120	Spanish for the Workplace	3.0
WBL 111	Work-Based Learning I	1.0
BUS 139	Entrepreneurship I	3.0
or BUS 230	Small Business Management	

Technical Electives	
Select 4 credits of the following:	4.0
ACA 122	College Transfer Success
HOR 112	Landscape Design I
HOR 114	Landscape Construction
HOR 116	Landscape Management I
HOR 118	Equipment Operation and Maintenance
HOR 161	Plant Materials II
HOR 164	Horticultural Pest Management
HOR 215	Landscape Irrigation
HOR 257	Arboriculture Practices
HOR 265	Advanced Plant Materials
HOR 273	Horticultural Management & Marketing
TRF 125	Turfgrass Computer App
TRF 130	Native Flora ID
TRF 270	Advanced Turfgrass Equipment Management
WBL 112	Work-Based Learning I
Total Credits	64

HOR 218	Advanced Equipment Operations and Maintenance	3.0
TRF 270	Advanced Turfgrass Equipment Management	4.0
Total Credits		16

## No diplomas are offered in Turfgrass Management Technology.

### Turfgrass Management Technology Certificates (C15420)

#### Turfgrass Management Technology Certificate with a Specialization in Turfgrass Management (C15420-C1)

This certificate is designed to prepare individuals for basic entry-level positions in the area of Turfgrass Management Technology. Coursework includes turfgrass culture and identification, equipment, irrigation, pest management and soils and fertilizers.

##### Major Requirements

HOR 166	Soils and Fertilizers	3.0
HOR 253	Horticulture Turfgrass	3.0
TRF 120	Turfgrass Irrigation and Design	4.0
TRF 210	Turfgrass Eqmt Mgmt	3.0
TRF 230	Turfgrass Mgmt Apps	2.0
TRF 240	Turfgrass Pest Control	3.0
Total Credits		18

#### Turfgrass Management Technology Certificate Specialization in Turfgrass Equipment Maintenance (C15420-C2)

This certificate is designed to prepare individuals for mid entry-level positions in the area of Turfgrass Equipment Maintenance. Coursework includes turfgrass culture and identification, proper equipment operation, maintenance, and repair.

##### Major Requirements

TRF 110	Introduction Turfgrass Cultivation & Id And Identification	4.0
TRF 210	Turfgrass Eqmt Mgmt	3.0
HOR 118	Equipment Operation and Maintenance	2.0