

# 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:

- The licensed pesticide applicators 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	

#### Major Requirements

ACA 122	College Transfer Success	1.0
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
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	65

TRF 270	Advanced Turfgrass Equipment Management	4.0
Total Credits		16

The following is the suggested plan for when to take each course to complete the Associate in Applied Science degree, based on the program requirements of the 2022-2023 catalog. This is only a recommendation — you may take courses in another order upon consultation with your advisor. This plan is based on you starting with college-level math and English courses, starting your program in the fall, and attending full-time. You can also follow this sequence if you attend part-time. Speak with an advisor about the plan and any questions. This program might also offer diplomas or certificates; visit the catalog or contact the program for details.

Turfgrass Management Technology suggested course sequence

## 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
HOR 218	Advanced Equipment Operations and Maintenance	3.0