

# *Applied Agriculture Technology*

# **Turf Management**

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*The demand for skilled personnel in the turf management industry increases each year. Students whose love of the outdoors is combined with motivation, good work ethics, and a desire to be an integral part of a team are “naturals” for this technology. The program is designed to provide students with the detailed knowledge and skills necessary to attain successful employment in the field of turf management.*

## **What You'll Learn...**

- Characteristics, growth habits, and proper cultivation of plant materials
- Knowledge of soils, pest controls, and irrigation equipment and upkeep
- Skills to oversee irrigation systems and fertilizer and pest treatment programs
- Skills to plan, supervise, and maintain greens, tees, and fairways
- Working knowledge of maintenance equipment

## **What You'll Earn...**

- A competitive salary with excellent opportunities for advancement
- Excellent employment opportunities
- The opportunity to broaden and advance your skills in new areas
- Credits to transfer to a four-year program in horticulture, plant science, or agronomy

## **Why You'll Succeed...**

- Many of the higher paying jobs, now and in the future, will be in a technical career field requiring an education beyond high school
- Employees with degrees tend to be more eligible for promotion\*
- Associate degree holders generally earn more than high school graduates\*
- College credit may be awarded for relevant work experience
- Many credits from an Associate Degree may be applied toward a Bachelor Degree

*\*Statistics from U.S. Department of Commerce, Bureau of Census*

# Turf Management Technology

You can enroll in the Turf Management Technology on either a full-time or part-time basis. The length of time required to complete an Associate Degree depends on the number of courses you take each semester. Some students may need refresher courses at the basic or pre-tech level; others may receive transfer credit or credit for work experience. Delaware Tech operates on a semester system with new terms beginning in late August and mid-January, plus summer terms beginning at the end of May and in mid-June. You can start taking courses any semester or summer term; however, all technical courses may not be offered every term. A certificate option is also available in Turf Management.

## Required Technical Courses

**Soil & Water Management** is a study of elements of soil and water science and management as they relate to agricultural situations.

**Principles of Plant Growth** provides an introduction to plant structure and function with practical application to agricultural plants.

**Concepts of Turf Management** is an introduction to identification, cultivation, and maintenance of turf grasses.

**Turf Grass Pest Control** covers detection and prevention of turfgrass pests with emphasis on methods of control or eradication.

**Intro to Irrigation** introduces the student to basic irrigation and drainage principles, uses of irrigation, and irrigation system design for landscape use.

**Landscape Construction & Installation** presents an introduction to the basic construction and installation techniques necessary for implementation of the finished landscape plan.

**Turfgrass Irrigation & Drainage** - using basic hydraulic concepts, students determine irrigation needs and frequencies.

**Landscape Plant Materials** presents principles of identification, cultivation, and maintenance of woody and herbaceous landscape plants and turf grasses.

**Landscape Plans** provides an introduction to problems in landscape planning including use of plant materials and elements of design, using computerized programs of design.

**Turf Grass Equipment Management** covers the operation and maintenance of specialized turfgrass management and equipment.

**Putting Green Management** deals exclusively with golf putting greens including design, construction, and maintenance of typical greens.

**Applied Ecology** is an exploration of the ecology of plant form, function, abundance, and diversity.

**Turf & Athletic Field Maintenance** introduces specific sports field design, installation, and maintenance.

## Related Courses

Technical Writing & Communication  
Introduction to Forestry  
Composition  
Math for the Trades  
Spanish Communication  
Cooperative Education

General Chemistry  
Intro to Computers & Applications  
Principles of Management  
Human Relations  
Critical Reading & Thinking  
Political Science  
General Psychology

## Getting Started

1. Obtain an application by calling (302) 857-1020. Complete and return to the Terry Campus with a \$10 application fee.
2. Take the College Placement Test (CPT) *unless college-level math, reading, and English courses have been completed with a "C" grade or better*. The CPT will determine appropriate placement and is scheduled by the Admissions Office.
3. Request that high school and/or college transcripts be sent to the Admissions Office.
4. Meet with a Delaware Tech counselor to discuss CPT results.
5. Meet with advisor to plan schedule.
6. Apply and register early for the best selection of courses.

## Standards of Excellence

- ❖ Excellent education with experienced faculty.
- ❖ Excellent employment opportunities for knowledgeable, skilled technicians.
- ❖ Program complements horticulture degree option.