

# TURFGRASS MANAGEMENT, BASIC, CERTIFICATE

Requirements for an undergraduate certificate may be completed at any campus location offering the specified courses for the certificate.

## Program Description

Students in this program will build the knowledge and skill necessary to assess, treat, and manage turf in any climate or terrain. This program addresses pest management, turfgrass cultural systems, and turfgrass edaphology and culminates in a series of case studies in turfgrass management.

## What is Turfgrass Management?

The Turfgrass Management Certificates includes basic and applied plant sciences with a focus on practical turfgrass management. The advanced certificate includes an internship to prepare students for careers as decision makers in golf course, sports field, and landscape construction and management.

## You Might Like This Program If...

- You are working in the turfgrass industry and want to improve your technical knowledge of turfgrass.
- You want to advance your career in golf course or sports turf management.
- You want to use your technical expertise to solve problems related to plants and the environment.
- You have a sense of accomplishment seeing your work appreciated by others.

## Program Requirements

To earn an undergraduate certificate in Turfgrass Management, Basic, a minimum of 15 credits is required.

Code	Title	Credits
<b>Prescribed Courses</b>		
TURF 230	Turfgrass Pesticides	1
TURF 235	The Turfgrass	3
Select 11-13 credits from the following courses:		11-13
ENT 317	Turfgrass Insect Pest Management	
PPEM 412	Turfgrass Disease Management	
TURF 238	Turf and Ornamental Weed Control	
TURF 307	Golf Course Irrigation and Drainage	
TURF 425	Turfgrass Cultural Systems	
TURF 434	Turfgrass Edaphology	
TURF 435	Turfgrass Nutrition	
TURF 436W	Case Studies in Turfgrass Management	

No Prerequisites Required.

## Certificate Learning Objectives

- **Communication:** Students will enhance their written, oral and interpersonal communication skills needed to become a successful turfgrass manager.

- **Computation:** Accurately comprehend and draw appropriate inferences from numeric data and quantitative models.
- **Pest Management:** Students will learn to identify common turfgrass pests and develop cultural and chemical management plans for each.
- **Plant Science:** Students will understand the fundamentals of plant and soil sciences required to interpret and make scientific decisions related to managing turfgrass under various conditions.
- **Turfgrass:** Students will be able to identify, establish and maintain grasses in various climates.

## Academic Advising

The objectives of the university's academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee's unit of enrollment will provide each advisee with a primary academic adviser, the information needed to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy/>)

## University Park

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## World Campus

**Undergraduate Academic Advising**  
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advising@outreach.psu.edu

## Career Paths

Graduates manage golf courses and professional stadium playing surfaces. Turfgrass professionals utilize grasses in conservation areas, and suburban and urban landscapes to enhance and beautify the environment. Some alumni pursue careers in agricultural enterprises that support the turfgrass industry.

## Contact

**University Park**  
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<https://plantscience.psu.edu/>

## **World Campus**

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<https://www.worldcampus.psu.edu/degrees-and-certificates/penn-state-online-turfgrass-management-basic-undergraduate-certificate> (<https://www.worldcampus.psu.edu/degrees-and-certificates/penn-state-online-turfgrass-management-basic-undergraduate-certificate/>)