

TURFGRASS MANAGEMENT, ADVANCED, CERTIFICATE

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

Program Description

This 30-credit certificate program is a comprehensive course of study that builds upon the basic turfgrass management certificate program. It's ideal for those who already have a bachelor's degree in another field and for those who are working toward a bachelor's degree in turfgrass.

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, Advanced, a minimum of 30 credits is required.

Code	Title	Credits
Prescribed Courses		
TURF 230	Turfgrass Pesticides	1
TURF 235	The Turfgrass	3
TURF 490	Colloquium	1
TURF 495	Internship	1-18
Select 21-22 credits from additional courses:		21-22
ENT 317	Turfgrass Insect Pest Management	
PPEM 412	Turfgrass Disease Management	
SOILS 101	Introductory Soil Science	
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

- **Demonstrate a Proficiency in Data Interpretation:** Accurately comprehend and draw appropriate inferences from numeric data and quantitative models.
- **Demonstrate Critical Thinking:** Students will understand the fundamentals of plant and soil sciences required to interpret and make scientific decisions related to managing turfgrass under various conditions.
- **Demonstrate Proficiency in Pest Management:** Students will learn to identify common turfgrass pests and develop cultural and chemical management plans for each.
- **Demonstrate Proficiency in Turfgrass Management and Establishment:** Students will be able to identify, establish and maintain grasses in various climates.
- **Demonstrate Proficient Communication:** Students will enhance their written, oral and interpersonal communication skills needed to become a successful turfgrass manager.

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/students/policies-and-rules-for-undergraduate-students/32-00-advising-policy/>)

University Park

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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

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<https://plantscience.psu.edu/>

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