



Programs in Turfgrass Management



PennState
World Campus

A world of possibilities.
Online.

Table of Contents

Online Turfgrass Programs.....	3	Bachelor of Science in Turfgrass Science.....	8
Undergraduate Certificate in Turfgrass Management, Basic.....	4	Master of Professional Studies in Turfgrass Management	9
Undergraduate Certificate in Turfgrass Management, Advanced...5		The Penn State Difference	10
Associate in Science in Turfgrass Science and Management	6	Begin Your Application Today	11



“Having been with Penn State for more than 30 years, I’ve seen the online turfgrass programs grow to include two certificates, an associate degree, a bachelor’s degree, and the Master of Professional Studies in Turfgrass Management. I have been fortunate to participate in developing the curriculum that we offer through Penn State World Campus. As my role with the online programs increases, I am committed to maintaining the same high standards and quality that students and employers have come to expect from the leader in turfgrass education.”

—**Dr. Andrew McNitt**
Professor of Soil Science/Turfgrass
Director of Academic Programs, Turfgrass Science
Director, Center for Sports Surface Research

Online Turfgrass Programs

As a leader in turfgrass education since 1929, Penn State has a reputation in the turfgrass industry that is hard to ignore. Whether you're entering the industry or planning to take your career to the next level, we have a turfgrass degree or certificate to meet your goals. Offered completely online through Penn State World Campus, our programs allow you to add a highly regarded credential to your résumé without ever setting foot on campus.

Penn State World Campus is the real Penn State, with the same unmatched standing in the industry. And you can get this education wherever you live and whenever your work schedule allows. The credentials you earn online are the same as those earned on campus, with no distinction being made on your diploma that courses were completed at a distance.

Online turfgrass programs offered through Penn State World Campus:

- › Undergraduate Certificate in Turfgrass Management, Basic
- › Undergraduate Certificate in Turfgrass Management, Advanced
- › Associate in Science in Turfgrass Science and Management
- › Bachelor of Science in Turfgrass Science
- › Master of Professional Studies in Turfgrass Management

GCSAA Credits

Members of the Golf Course Superintendents Association of America may have already earned credits toward an undergraduate degree or certificate through GCSAA seminars and portfolio requirements. Other turfgrass educational programs may also apply. Contact us today so we can assess your portfolio.

For more information: worldcampus.psu.edu/turfgrass-management



Undergraduate Certificate in Turfgrass Management, Basic

Penn State has offered a certificate program in turfgrass management for more than 50 years; now Penn State World Campus enables you to continue working in golf course maintenance, sod production, or athletic field maintenance while you complete the program. The course work can help you expand your knowledge and gain the skills you need to assess, treat, and manage turf in any climate or terrain.

Curriculum

The basic online Undergraduate Certificate in Turfgrass Management is a 15-credit program of study. The courses cover pest management, turfgrass cultural systems, and turfgrass edaphology—and can culminate in a series of case studies in turfgrass management.

Core Courses (4 credits)

TURF 230—Turfgrass Pesticides—
Required (1 credit)

TURF 235—The Turfgrass—
Required (3 credits)

Additional Courses (11 credits)

ENT 317—Turfgrass Insect Pest
Management (3 credits)

PPEM 412—Turfgrass Disease
Management (3 credits)

TURF 238—Turf and Ornamental
Weed Control (3 credits)

TURF 425—Turfgrass Cultural Systems
(3 credits)

TURF 434—Turfgrass Edaphology
(3 credits)

TURF 435—Turfgrass Nutrition
(4 credits)

TURF 436—Case Studies in
Turfgrass Management (3 credits)

“I can’t say enough about how much I have learned. I am able to discuss subjects at hand with my boss and other professionals in the field with greater confidence and understanding.”

—Doug K.
Undergraduate Certificate in Turfgrass
Management, Advanced





Undergraduate Certificate in Turfgrass Management, Advanced

This online certificate program is comprehensive and builds on the basic Undergraduate Certificate in Turfgrass Management program. It is ideal if you already have a bachelor's degree in another field or are working toward our Bachelor of Science in Turfgrass Science program.

The advanced certificate is designed for current or future turfgrass management professionals who want training that complies with the Golf Course Superintendents Association of America professional development initiative.

Curriculum

This advanced certificate requires 30 credits of course work in the areas of pesticides, turfgrass varieties, and problem analysis and a 1-credit colloquium course. You may choose up to 22 credits of additional courses in topics such as soils, turfgrass nutrition, and disease management.

Core Courses (8 credits)

TURF 230—Turfgrass Pesticides (1 credit)

TURF 235—The Turfgrass (3 credits)

TURF 490—Colloquium (1 credit)

TURF 495—Internship (3 credits)

Additional Courses (21–22 credits)

ENT 317—Turfgrass Insect Pest Management (3 credits)

PPEM 412—Turfgrass Disease Management (3 credits)

SOILS 101—Introductory Soil Science (3 credits)

TURF 238—Turf and Ornamental Weed Control (3 credits)

TURF 425—Turfgrass Cultural Systems (3 credits)

TURF 434—Turfgrass Edaphology (3 credits)

TURF 435—Turfgrass Nutrition (4 credits)

TURF 436—Case Studies in Turfgrass Management (3 credits)

Associate in Science in Turfgrass Science and Management

The online associate degree program can give you the knowledge and skills to plan and implement projects, direct personnel, communicate effectively, conduct training programs, and manage finances. You can also apply the credits you earn in this program to the requirements for our Bachelor of Science in Turfgrass Science.

Curriculum

This 61-credit degree includes courses in biology, chemistry, and ethics, in addition to the core curriculum. The science and General Education courses can provide the knowledge you need to produce and maintain the highest quality turfgrass at golf courses, athletic fields, parks, and recreation areas.

Core Courses (31 credits)

BIOL 11—Introductory Biology I
(3 credits)

CHEM 202—Fundamentals of
Organic Chemistry I (3 credits)

ENGL 15—Rhetoric and Composition
(3 credits)

ENT 317—Turfgrass Insect Pest
Management (3 credits)

MATH 21—College Algebra I
(3 credits)

PHIL 103W—Introduction to Ethics
(3 credits)

SOILS 101—Introductory Soil Science
(3 credits)

TURF 230—Turfgrass Pesticides
(1 credit)

TURF 235—The Turfgrass (3 credits)

TURF 238—Turf and Ornamental
Weed Control (3 credits)

TURF 295—Internship (3 credits)





Bachelor of Science in Turfgrass Science

You can maximize your career potential in any turfgrass-related field by earning your Bachelor of Science in Turfgrass Science. Taken independently or as a follow-up to the advanced certificate or the associate degree, this online bachelor's degree provides you with an integrated curriculum that includes basic and applied sciences, business management courses, and an internship that can prepare you for any career related to turfgrass management.

Curriculum

The 120-credit bachelor's degree program includes course work that is directly applicable to contemporary turfgrass management. In addition to covering pesticides, weed control, morphology, entomology, pathology, edaphology, and cultural systems, the program is designed to sharpen your skills in such areas as business management, speech communications, and chemistry.

Core Courses (49 credits)

BIOL 127—Introduction to Plant Biology (3 credits)

CHEM 202—Fundamentals of Organic Chemistry I (3 credits)

CMPS 203—Introduction to Spreadsheets and Databases (4 credits)

ENT 317—Turfgrass Insect Pest Management (3 credits)

MATH 21—College Algebra I (3 credits)

PPEM 412—Turfgrass Disease Management (3 credits)

SOILS 101—Introductory Soil Science (3 credits)

TURF 230—Turfgrass Pesticides (1 credit)

TURF 235—The Turfgrass (3 credits)

TURF 238—Turf and Ornamental Weed Control (3 credits)

TURF 307—Golf Course Irrigation and Drainage (3 credits)

TURF 425—Turfgrass Cultural Systems (3 credits)

TURF 434—Turfgrass Edaphology (3 credits)

TURF 435—Turfgrass Nutrition (4 credits)

TURF 436—Case Studies in Turfgrass Management (3 credits)

TURF 490—Colloquium (1 credit)

TURF 495—Internship (3 credits)



Master of Professional Studies in Turfgrass Management

If you work as a manager of a turfgrass facility, golf course, or professional sports complex, Penn State World Campus can help you advance your career with the online Master of Professional Studies in Turfgrass Management (MPS–Turf). The MPS–Turf program balances turfgrass courses with hands-on, applicable business courses that integrate theory and practice in addressing real problems encountered in turfgrass facility management.

Curriculum

In this 30-credit graduate program, you can learn to apply scientific concepts to fundamental problems that are part of managing complex turfgrass ecosystems. In addition to completing the five core courses, you will select five elective courses (15 credits) that will determine the area of concentration for your degree; you can focus on turfgrass science or business-related electives.

Core Courses (15 credits)

AGRO 596—Individual Studies
in Agronomy (3 credits)

AGRO 851—Applied Plant
Population Biology (3 credits)

TURF 850—Turfgrass Physiology
(3 credits)

TURF 852—Turfgrass Health
Management (3 credits)

TURF 853—Interpreting Turfgrass
Science Literature (3 credits)



“I’m trying to set myself apart from others out there in the industry. The reason I chose Penn State is pretty obvious. They already have the most recognized turfgrass program in the world.”

—Rick P.
Master of Professional Studies in
Turfgrass Management

The Penn State Difference

Experience in Distance Education

As a distance education pioneer, Penn State has developed a nationally recognized support system for students who are geographically removed from campus. Our offerings have received high satisfaction ratings from students in terms of course content and student services.

Connect with Classmates

Interact with dedicated, goal-oriented peers from across the nation, creating a network of great ideas. As you communicate daily with other professionals, you'll gain insights that you can apply to your job immediately.

Library Services

As a Penn State World Campus student, you will have access to one of the largest research library collections in North America—the Penn State University Libraries system, which holds more than 800 online research databases, 110,000 scholarly journals, and 1 million electronic books. You can search the online catalog and review databases as if you were sitting at a terminal in any Penn State Library.

Learner and Technical Support

Without having to set foot on campus, you will have access to an array of support services, including course scheduling assistance and academic advising, technical support offered by the friendly World Campus HelpDesk staff, and career counseling with a Licensed Professional Counselor.

“We’re the only program that has this kind of structure, so that people can enter at any point. Students in the basic or advanced certificate programs can then progress on and actually earn a bachelor’s degree and ultimately a master’s degree.”

—Dr. Al Turgeon, Professor Emeritus of Turfgrass Management



Begin Your Application Today

To begin taking courses, you need to submit the online application form for the program of your choice. To start the application process, visit worldcampus.psu.edu/turfgrass-management, choose your program of interest, and click on "Apply Now."

To apply to a program, you need to submit a complete Penn State World Campus online application form, with fee, and:

Certificates

- › official transcripts (high school or GED)

Associate and Bachelor's

- › official transcripts (high school, GED, military, and/or college)
- › TOEFL or IELTS score (if applicable)

Master's

- › a graduate school application
- › official transcripts from each institution attended
- › references
- › letter of professional introduction
- › TOEFL or IELTS score (if applicable)

Note: Applicants to the master's degree program must have received, from an accredited institution, a baccalaureate degree with requirements substantially equivalent to those at Penn State. Students are expected to have a minimum of two years of full-time work experience prior to admission.

Did You Know?

- › Penn State credits and degrees earned online are identical to those earned on campus.
- › Penn State World Campus has enrolled students from all 50 states and all 7 continents.
- › Our online courses involve frequent interactions between students and with instructors.
- › The credits you receive for your Penn State turfgrass courses may be used toward GCSAA education points to meet entry and/or renewal requirements for Class A and/or Certified Golf Course Superintendent (CGCS) status.

Contact Us

Admissions Questions

pennstateonline@psu.edu

814-863-5386

worldcampus.psu.edu/admissions



PennState
World Campus

The Pennsylvania State University
128 Outreach Building
University Park, PA 16802



[@psuworldcampus](#)



[@PSUWorldCampus](#)



[Penn State World Campus](#)



[@pennstateworldcampus](#)

This publication is available in alternative media on request.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status. Produced by Outreach and Online Education Marketing U.Ed. OUT 19-WC-0476/ajw/sss Copyright © 2019 The Pennsylvania State University