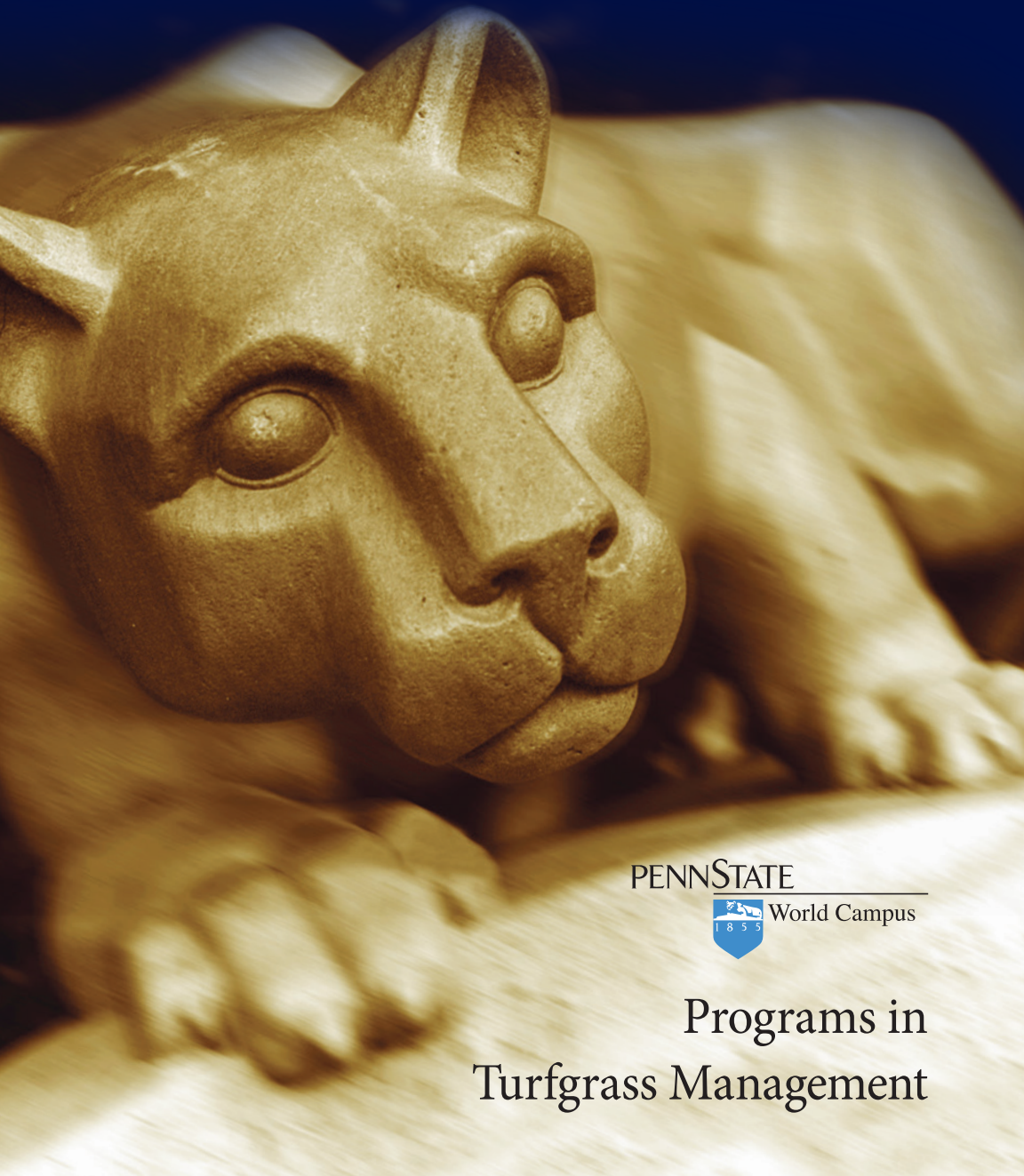


PENN STATE | ONLINE

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PENNSTATE



World Campus

Programs in
Turfgrass Management

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“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

Whether you're entering the industry or planning to take your career to the next level, we have an online turfgrass program to meet your goals. With Penn State's online programs, you can study at times and locations that suit your busy schedule, giving you the opportunity to acquire respected credentials without setting foot on campus. As an online student you will have access to many of the same support services that are available to students on campus, including student services, library resources, and HelpDesk personnel for your technical support needs. 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 Certificate in Turfgrass Management is a 15-credit program of study. The courses cover pest management, turfgrass cultural systems, and turfgrass edaphology—and 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 436W—Case Studies in Turfgrass Management (3 credits)

Undergraduate Certificate in Turfgrass Management, Advanced

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

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



Associate in Science in Turfgrass Science and Management

The online Associate Degree in Turfgrass Science and Management 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's Degree 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 education you need to produce and maintain the quality and performance of turfgrass at golf courses, athletic fields, parks, and recreation areas.

Core Courses (31 credits)

BIOL 011—Introductory Biology I (3 credits)

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

ENGL 015—Rhetoric and Composition (3 credits)

ENT 317—Turfgrass Insect Pest Management (3 credits)

MATH 021—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's Degree in Turfgrass Science. Taken independently or as a follow-up to the advanced certificate or the associate degree, this online bachelor's degree can provide you with an integrated curriculum that includes basic and applied sciences, business management courses, and an internship to 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)

A S M 307—Golf Course Irrigation and Drainage (3 credits)

BIOL 127—Introduction to Plant Biology (3 credits)

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

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

ENT 317—Turfgrass Insect Pest Management (3 credits)

MATH 021—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 425—Turfgrass Cultural Systems (3 credits)

TURF 434—Turfgrass Edaphology (3 credits)

TURF 435—Turfgrass Nutrition (4 credits)

TURF 436W—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, the five elective courses (15 credits) that you select will determine the area of concentration for your degree; you can focus on turfgrass science electives or other electives that are more related to business. A capstone individual study in turfgrass management course will integrate theory and practice in addressing real problems encountered in turfgrass facility management.

Core Courses (15 credits)

AGRO 596—Individual Studies (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 Pagett
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

You will be able to access one of the leading university research libraries in North America—Penn State's University Libraries system, which holds more than 750 databases, 110,000 scholarly journals, and 444,000 ebooks. 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 many of the same support services that resident students enjoy. Additionally, services such as advising, course scheduling, registration, and the HelpDesk are available through Penn State World Campus.

For more information:

worldcampus.psu.edu/turfgrass-management

"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.

For More Information

Contact Us

pennstateonline@psu.edu

worldcampus.psu.edu

800-252-3592 (toll free within the United States)

814-865-5403 (local and international)

814-865-3290 Fax

Student Services Hours

(inquiries and registration)

8:00 a.m.–9:30 p.m. ET Monday–Thursday

8:00 a.m.–5:00 p.m. ET Friday

Closed Saturday and Sunday

Admissions Counseling Hours

8:00 a.m.–8:00 p.m. ET Monday–Thursday

8:00 a.m.–5:00 p.m. ET Friday

Closed Saturday and Sunday



Penn State World Campus

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PENNSTATE



World Campus

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Produced by Outreach and Online Education Marketing U.Ed. OUT 16-0366/16-WC-0810/ajw/sss

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