Professional Golf Turf Management School

TWO-YEAR CERTIFICATE PROGRAM

Fall Session: October 5 - December 16, 2015
Winter Session: January 6 - March 18, 2016

Presented by the NJAES Office of Continuing Professional Education together with the Rutgers Center for Turfgrass Science
WHO WE ARE

The Rutgers Professional Golf Turf Management School is a world-class learning center that has trained thousands of successful greenskeepers in the art and science of golf course management. Our team of instructors includes both distinguished faculty and acclaimed industry professionals. Designed to fit conveniently around your work schedule, our programs consists of classroom lectures, hands-on field training and real-world experience via paid internships. Our esteemed alumni lead the industry and work at top golf courses all around the world. Most importantly, our focus is practical knowledge and skills that will help YOU achieve your career goals.

WHY CHOOSE RUTGERS?

CAREER ADVANCEMENT - Over 2,700 golf turf professionals, from all 50 states and 18 countries, have graduated from our two-year certificate program. More than 730 of these alumni are currently working as golf course superintendents or leaders in related turfgrass careers. Plus, an additional 600+ Rutgers turf alumni are assistant superintendents worldwide. Add this widely respected credential to your resume to grow your career.

CONVENIENCE - Our two ten-week classroom sessions are sandwiched around a 9-month break, during which you must complete a paid 200+ hour internship. Designed to minimize your time away from work and home, this is a great opportunity to quickly attain the education you need without breaking the bank or putting your career on hold.

LOCATION - Classroom learning will be held in New Brunswick, NJ at the Ralph Geiger Turfgrass Education Center and Holly House. Located adjacent to our turfgrass research complex and nestled within a world-renowned collection of American hollies in the Rutgers Display Gardens, these treasures become an extension of your classroom.

NETWORKING - Become part of our prestigious network of Rutgers turfgrass alumni. Throughout your career, whether you are searching for a job for yourself, looking to hire someone for your greens team or have technical questions, the Rutgers alumni network will serve you as an invaluable resource.

PRACTICAL CONTENT - Learn what you need to keep your course at peak playability and achieve your most lofty career goals. Our certificate program will refine and develop your technical skills that are immediately useful on the job. You’ll learn the science behind turfgrass management and how to implement real world solutions to any challenges that comes your way.
CURRICULUM

APPLIED GOLF COURSE MANAGEMENT
  Budgeting and Financial Management
  Golf Course Construction
  Growth Regulators
  Introduction to Soil Fertility
  Irrigation Principles
  Landscape Design
  Landscape Management
  Mathematics for Golf Course Superintendents
  Mower Technology and Reel Grinding
  Principles of Golf Course Design
  Stress Physiology
  Surveying
  Tournament Preparation Strategies
  Turfgrass Maintenance and Establishment

CRITICAL THINKING FOR SUCCESS
  Case Studies in Turfgrass Management
  Regional Concerns
  Turfgrass Work Experience

PEST MANAGEMENT
  Insect and Disease Laboratory
  Insects and Diseases of Ornamental Plants
  Principles of Integrated Pest Control
  Turfgrass Disease Identification
  Turfgrass Insects and Weeds

PLANT BIOLOGY
  Agronomic Characteristics of Turfgrass Species and Varieties
  Botany of Turfgrass and Ornamentals
  Landscape Plants
  Ornamental Grasses
  Plant Physiology
  Turfgrass Identification and Development

MANAGEMENT OF GOLF COURSE PERSONNEL
  Effective Business Communication
  Managing Your Golf Course Employees
  Professional Development

HANDS-ON TRAINING - Hands-on training in our onsite workshop and greenhouse demonstrates concepts learned in the classroom. You will have the chance to participate in soil tests, reel grinding demonstrations, plant identification walks, sprayer calibration, spreader training, irrigation pipe fitting, disease identification using microscopes and more.

FIELD TRIPS - During your two 10-week sessions at Rutgers, you will visit some of the world's most highly-rated golf courses, including Baltusrol Golf Club, Pine Valley Golf Course and Trump National Golf Course in Philadelphia. You will also tour the United States Golf Association (USGA) Museum and Archives and go “behind the scenes” in their testing laboratory.

REQUIRED INTERNSHIP - Students are required to complete 200+ hours of field experience (paid internship) following their first 10-week session in the program. You may complete your internship in your current position or we can help you locate an internship. Requirements for all internships include maintaining a daily log of activities and participating in various cultural practices. Students present their field experience activities in written and oral reports during their second 10-week session.

FOR CURRICULUM DETAILS: www.golfturf.rutgers.edu/CURRICULUM
LEARN FROM THE BEST

To give you the most practical education possible, we have gathered the best turf instructors from both the academic community and the golf turf industry. Our acclaimed team of instructors includes distinguished Rutgers professors, who conduct leading turfgrass research, such as breeding improved turfgrass species that are pest resistant, stress tolerant and drought resistant. You’ll receive personalized attention from these honored Rutgers professors as well as from established superintendents, expert plant diagnostic specialists, industry-leading irrigation contractors and prominent turf consultants. Dedicated to your education, our teachers work tirelessly to make sure you leave with a complete understanding of the information you need to make effective decisions to prevent and solve issues on your golf course. Plus, you will always have the Rutgers team at your fingertips to leverage as a resource throughout your career.

OUR FOUNDER, OUR ROOTS

Fifty four years ago, Dr. Ralph Engel, a highly respected teacher, researcher and extension specialist, wanted to provide a creative learning environment where golf course employees could build their skills and knowledge in the ever-changing science of golf turf management. He believed in mentoring first, encouragement second and, finally, exposure to the finest educators. Part of Rutgers University — the eighth oldest college in the US and one of the nine “colonial colleges” founded before the American Revolution — The Rutgers Professional Golf Turf Management School continues to honor Dr. Engel’s vision with our world-renowned learning center. We have helped thousands of greenskeepers advance their careers and become industry leaders. Now, we welcome you into this prestigious institution and network.

OUR LEADERSHIP TEAM

RUTGERS UNIVERSITY, SCHOOL OF ENVIRONMENTAL AND BIOLOGICAL SCIENCES
    Dr. Robert M. Goodman, Executive Dean; Executive Director, NJ Agricultural Experiment Station (NJAES)
    Dr. Larry Katz, Director, Rutgers Cooperative Extension

RUTGERS UNIVERSITY, OFFICE OF CONTINUING PROFESSIONAL EDUCATION
    Fran Koppell, Senior Program Coordinator
    Josh Honig, Student/Curricula Advisor

RUTGERS UNIVERSITY, CENTER FOR TURFGRASS SCIENCE
    Dr. Bruce Clarke, Director
    Dr. William A. Meyer, Associate Director; Faculty Advisor

OUR DISTINGUISHED TEAM: www.golfturf.rutgers.edu/TURF-FACULTY-AND-STAFF.asp
PROGRAM DETAILS

**SCHEDULE AND DATES** - Our intensive program is designed to fit conveniently around your work schedule. Class hours are scheduled from 9:00 a.m. to 3:00 p.m. on weekdays for ten (10) weeks. You have the option of attending in fall or winter. Program content and admission requirements for the fall and winter sessions are identical.

**FALL 2015: October 5 - December 16, 2015**
Students attending their first year in the Fall of 2015 will return for their second year in the Fall of 2016.

**WINTER 2016: January 6 - March 18, 2016**
Students attending their first year in the Winter of 2016 will return for their second year in the Winter of 2017.

**ACADEMIC EXPECTATIONS AND ASSESSMENT** - Your performance will be evaluated in each class based on a combination of examinations, term papers, projects, attendance and class participation. You should allow approximately 20 hours per week for class preparation. Certificates are awarded to all students who attend both semesters of class work, maintain a minimum GPA of 2.0 and complete a summer field internship.

**TUITION** - Tuition for each ten-week session is $4,495 for New Jersey residents and $4,795 for out-of-state applicants. Your second year tuition rate will NOT go up; it will remain the same as the previous year. Tuition must be paid in full prior to the beginning of each session. A late fee of $250 applies after July 31, 2015.

> Tuition is payable upon acceptance to our program by credit card (MasterCard, VISA, Discover or AMEX), certified check or money order. No personal checks will be accepted.

**FINANCIAL AID (Student Loans, Scholarships and More)** - Our turf program qualifies for student loans that can cover the full cost of tuition and living expenses, including travel, lodging and books. Lifetime learning tax credits and veterans benefits may also be available to you. Scholarships through Rutgers and outside organizations are also a great way to offset tuition costs.

**STUDENT HOUSING** - We provide a wide variety of discounted, off-campus housing options. You should budget between $1,800 and $6,000 for housing per each 10-week session. We are happy to help you secure housing and/or provide resources to connect you with other turf students looking for roommates.

FOR MORE PROGRAM DETAILS: [www.golfturf.rutgers.edu/2YEAR](http://www.golfturf.rutgers.edu/2YEAR)
CONSIDERING AN UNDERGRADUATE DEGREE?

Rutgers University and the Rutgers Center for Turfgrass Science (CTS) offer a four-year undergraduate program leading to a Bachelor of Science degree in Plant Biology with a Turfgrass Management or Turfgrass Science option. The Turfgrass Management option at Rutgers will help prepare students for employment as golf course superintendents, sports field managers, lawn and landscape professionals, sod producers, or for employment in allied fields within the green industry. The Turfgrass Science option prepares students to continue their education towards an advanced degree, such as a Masters of Science or Ph.D.

WHAT IS THE RUTGERS ADVANTAGE?

- Internationally recognized turfgrass program
- World-class faculty
- Focused turfgrass curriculum
- Low student/teacher ratios
- Strong faculty commitment to students
- Assistance with internship and job placement
- Excellent scholarship opportunities (over $80,000 in scholarships each year)
- Flexible degree options
- Applied learning opportunities
- Outstanding educational facilities

WHY STUDY TURFGRASS MANAGEMENT?

Turfgrass is a multi-billion dollar industry in the United States. College degrees or specialized training are essential for the maintenance of golf courses, professional sports fields, parks, athletic field complexes, and high quality landscapes for businesses, homes, and communities. A major in turfgrass management would appeal to people interested in environmental enhancement and design, as well as the creation and maintenance of high quality recreational areas. Students in this major gain a strong understanding of the importance of turfgrass in land use, management, and development. The industry wide demand for well-trained turfgrass managers with four-year degrees increases every year.

WHAT CAREER OPPORTUNITIES ARE AVAILABLE TO RUTGERS GRADUATES?

The turfgrass industry is vast and constantly expanding. If you love the outdoors or have a great appreciation for nature, check out the list below for exciting career possibilities in the field of turfgrass management:

- Golf Course Superintendent
- Landscape Contractor
- Sports Field Manager
- Research Scientist
- Irrigation Installer
- Golf Course Designer
- Private Consultant
- Commercial Lawn Care Professional
- Plant Breeder/Seed Industry
- Sod Producer
- Park Manager
- Chemical Sales Professional
- Equipment Sales Professional
- Teacher
- Small Business Owner
HOW MUCH MONEY CAN YOU MAKE AS A TURFGRASS PROFESSIONAL?
In general, entry-level salaries in a variety of different career paths in turfgrass management can range from $40,000 to $75,000. Experienced career professionals can earn well over $100,000 per year. A few examples include:

- Golf course superintendents can make over $75,000, with high end salaries of well over $150,000
- Research scientists command salaries ranging from $60,000 to more than $100,000 annually
- Landscape contractors earn $50,000 to $80,000 annually
- Irrigation contractors earn $40,000 to $70,000 annually
- Lawn care professionals earn $40,000 to $100,000 or more annually

WANT TO FIND OUT MORE ABOUT UNDERGRADUATE STUDY?

Rutgers University Center for Turfgrass Science
School of Environmental and Biological Sciences (SEBS)
59 Dudley Road, Foran Hall, Room 366, New Brunswick, New Jersey 08901-8520

Josh A. Honig, Ph.D., Undergraduate Recruiting Coordinator, Center for Turfgrass Science
Email: honig@aesop.rutgers.edu | Phone: 848.932.6347 | Fax: 732.932.9441

Bruce B. Clarke, Ph.D., Director, Center for Turfgrass Science, Extension Specialist in Turf Pathology
Ralph Geiger Endowed Chair in Turfgrass Science (2005-2011)
Email: clarke@aesop.rutgers.edu | Phone: 848.932.6295

Anne Diglio, Administrative Assistant, Center for Turfgrass Science
Email: diglio@aesop.rutgers.edu | Phone: 848.932.9377

FOR MORE INFORMATION ABOUT UNDERGRADUATE OPTIONS: http://turf.rutgers.edu
OTHER TURFGRASS TRAINING OPPORTUNITIES

THE RUTGERS PROFESSIONAL GOLF TURF MANAGEMENT SCHOOL

THREE-WEEK PREPARATORY SHORT COURSE

Dates: January 11 – 29, 2016  
Times: 9am to 3pm (M-F)  
Fees: $1,695 before 12/19/15; $1,895 after

Learn the essentials of turfgrass management with the intensive curriculum in our condensed 3-week class. You will learn concepts in the classroom and participate in hands-on soil tests, reel grinding demonstrations and plant identification walks.

Sample Topics

• Soils, fertility and nutrition
• Turf and plant selection, establishment, maintenance and renovation
• Identification and control of diseases, insects and weeds
• Irrigation repair and maintenance
• Equipment selection and maintenance
• Landscape design and construction
• Management skills and professional development

Who Should Attend

• Experienced greenskeepers who need formal education to advance their careers
• Those new to the industry seeking to learn the basics and jumpstart an exciting new career in turfgrass management
• Golf course owners and general managers whose goals are better communication and coordination with their teams
• Industry sales representatives working to better understand the wants, needs and terminology of their clients

Add a widely respected credential from internationally-recognized Rutgers University to your resume in just three weeks. There is no application process or prerequisites. Simply register and learn!

FOR DETAILS ABOUT THREE-WEEK TURF: www.golfturf.rutgers.edu/3WEEK

TURFGRASS MANAGEMENT SHORT COURSES

If you are interested in learning more about a specific turfgrass management topics such as pesticide calibration, turfgrass insects, irrigation repair/maintenance or IPM, consider attending one of Rutgers University, Office of Continuing Professional Education's short (one or two day) courses. These classes offered during the slow season each November through April.

FOR DETAILS ABOUT OUR SHORT COURSES: www.cpe.rutgers.edu/LANDSCAPE
WHAT DO RECENT GRADUATES THINK?

RYAN HANLEN  
2015 Graduate

1st Assistant Superintendent  
The Country Club of St. Albans

Ryan was studying sports management in college when he first started working at a golf course. Working on the grounds crew, Ryan realized that he had a passion for seeing the natural beauty of a golf course every morning. After seeing how the Rutgers Professional Golf Turf Management School helped advance his coworker’s career, Ryan decided to attend our Two-Year Certificate Program for himself.

“I can’t tell you how much this school has done for me in all aspects of golf course management. I never expected to have learned as much as I have in this short amount of time.”

CORY O’NEIL  
2015 Graduate

Intern  
St. Andrews Links

Cory decided to attend Rutgers because of its reputation and effective timing between golf seasons. The Rutgers Professional Golf Turf Management School helped Cory secure an internship at Merion Golf Club between class sessions which opened the door to work this season at St. Andrews Links in Scotland as they prepare for the 144th Open Championship.

“The material of the Two-Year Certificate Program at Rutgers is delivered by instructors who are leaders on the world stage of this industry. The networking opportunities, knowledge obtained and resources made available for the rest of my career are invaluable, which is why Rutgers is the premier choice for turf school.”

PETER THOMPSON  
2015 Graduate

Assistant Superintendent  
Golf de Morfontaine

Born and raised in England, Peter Thompson has worked on golf courses since 2007. He climbed the career ladder and was working as the Assistant Superintendent of Sunningdale Golf Club, outside of London, before attending Rutgers. Peter is now working as the Assistant Superintendent of Golf de Morfontaine, the number one rated golf course in France.

“As a result of The Rutgers Professional Golf Turf Management School, I was able to secure this job in France. Education is a vitally important and I would encourage anyone who is serious about pursuing a career in this industry to take part in the Rutgers Turf Program.”

RUTGERS TURFGRASS ALUMNI ASSOCIATION

The Rutgers Turfgrass Alumni Association enthusiastically supports turfgrass management activities at Rutgers University. This active nationwide alumni network of over 2,300 members offers career opportunities to recent graduates and provides support for one another on a daily basis. Our alumni participate each year as instructors in our program and are available when and where needed. You will not find a more dedicated community of professionals.

To find a Rutgers alumnus near you, contact Fran Koppell at 848.932.7471 or via e-mail at koppell@rci.rutgers.edu.
APPLICATION CHECKLIST

YOUR APPLICATION MUST INCLUDE:

☐ A completed application form in print (included on the last page of this brochure) or online. Please provide all information. Incomplete applications will not be reviewed.

☐ A letter of intent written by you describing your education and work experience, why you are applying to the Rutgers program and how the course fits into your career plans.

☐ Two letters of recommendation from current or past supervisors describing your duties, responsibilities, and potential for success in our program. Work experience in the turfgrass industry or a related field is required. Please note that both letters can be from the same golf course.

☐ A copy of your high school and college transcripts or a copy of your GED certificate, if applicable.

☐ A $50 non-refundable application fee. All checks should be made payable to Rutgers, The State University of New Jersey or you may pay online by credit card.

Items may be sent individually, or as one complete package. When all pieces of your application have been received, it will be reviewed by the acceptance board. If you have any questions or need more information, feel free to contact us. We are happy to help every step of the way.

If mailing application items, please address them to:
The Rutgers Professional Golf Turf Management School, Attn: Fran Koppell, 102 Ryders Lane, New Brunswick, NJ 08901

If emailing application items, please send them to koppell@rci.rutgers.edu.

APPLICATION DEADLINES

Completed applications received after July 31, 2015 will be considered on a space available basis and will pay the late tuition fee of $4,745 for New Jersey residents and $4,995 for out-of-state residents.
**Admission Application**

Please provide ALL information. Print clearly or type.

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<th>include Street, PO Box or Apt. #</th>
<th>Zip Code</th>
<th>Country</th>
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<td>E-mail address</td>
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**PERSON TO CONTACT IN AN EMERGENCY**

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<th>Name</th>
<th>Phone Number</th>
<th>Relationship</th>
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Please indicate the session for which you are applying: (select only one)

- ☐ Fall 2015 (Course Code AT0201CA16)
- ☐ Winter 2016 (Course Code AT0201CB16)

How did you hear about The Rutgers Professional Golf Turf Management School Two-Year Certificate Program?

- ☐ Mail Code
- ☐ Search Engine
- ☐ Rutgers Website
- ☐ Other Website
- ☐ Referred by a Rutgers alumnus (Please specify)
- ☐ Referred by my supervisor (Please specify)
- ☐ Referred by a colleague (Please specify)

Have you attended our Rutgers Professional Golf Turf Management School: Three-Week Preparatory Short Course?

- ☐ No
- ☐ Yes

**EDUCATION**

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<th>High School Graduate?</th>
<th>☐ No</th>
<th>☐ Yes</th>
<th>Year</th>
<th>Final Grade Point Average (GPA)</th>
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<tr>
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<td>☐ No</td>
<td>☐ Yes</td>
<td>Year</td>
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<th>COLLEGE OR TECHNICAL SCHOOL ATTENDED</th>
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<td>Degree Earned?</td>
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<td>Bachelor's</td>
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<td>Master's</td>
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| Final GPA | ☐ No | ☐ Yes | Number of Credits Earned | Certificate Earned | ☐ No | ☐ Yes |

**WORK EXPERIENCE**

Your Current Employer

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<th>Employment Dates -</th>
<th>Full time</th>
<th>Part time (seasonal)</th>
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<td>Position held</td>
<td>Supervisor</td>
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Previous Employer

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<td>Position held</td>
<td>Supervisor</td>
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**METHOD OF PAYMENT FOR YOUR $50 APPLICATION FEE**

- ☐ Check
- ☐ Money Order
- ☐ Authorized Purchase Order #

Proof of payment MUST be presented with this form to process your application.

Make payment payable to: Rutgers, The State University of New Jersey.

**By Mail:** Rutgers University, Office of Continuing Professional Education, 102 Ryders Lane, New Brunswick, NJ 08901-8519.

**By Fax:** 732.932.8726. Please include copy of payment; original payment must be mailed.

- ☐ Credit Card - VISA, MasterCard, AMEX, and Discover accepted

**TO APPLY ONLINE OR PAY BY CREDIT CARD:** [www.golfturf.rutgers.edu/APPLY](http://www.golfturf.rutgers.edu/APPLY)

**FOR ASSISTANCE WITH YOUR APPLICATION, PLEASE CALL 848.932.7471.**
We will never sell, rent or exchange your contact information with a 3rd party. To unsubscribe and be removed from our list contact us!

Email: ocpe@njaes.rutgers.edu
Fax: 732.932.1187
Phone: 848.932.9271

YES, I want to be informed about courses and related information through periodic messages from Rutgers via:
(please check all that apply)

☐ Mail  ☐ Email  ☐ Fax

We Are Here To Help!

Program Coordinator, Fran Koppell and Marketing Specialist, Casey Sky Noon are here to help you every step of the way. Feel free to call or email us at any time if you need help with choosing which program is best for you, the application process, securing a visa to enter the US, arranging housing, payment/financial aid issues and anything else you may need.

Fran Koppell
koppell@rci.rutgers.edu
848-932-7471

Casey Sky Noon
noon@njaes.rutgers.edu
848-932-7250

We would love to hear from you and are happy to discuss your opportunities here at Rutgers.

Phone: 848.932.9271  |  Fax: 732.932.1187  |  www.golfturf.rutgers.edu

www.facebook.com/Rutgers.turf.management.school

SPREAD THE WORD!
SHARE WITH A FRIEND!
#TURFLIFE