Graduate Certificate in Stormwater Management

Founded in 1884, Temple University is a comprehensive public research institution with approximately 39,000 students, making it the 25th-largest university in the United States. The university offers more than 300 degree programs for undergraduate, graduate and professional education. At Temple, research is critical to both doctoral and master’s degree programs, which is readily apparent in the College of Engineering. For over 40 years, the College of Engineering has been providing first-rate engineering education, guided by talented faculty who are on the cutting edge of research and who publish widely.

Program Overview

Stormwater management has become a significant issue in recent years. Fundamentally, stormwater management is a both a hydrologic and ecologic problem. The certificate program in Stormwater Management at Temple University’s Department of Civil and Environmental Engineering is designed to enhance the students’ skills in addressing these problems.

The primary goal of the program is to teach students fundamental concepts supporting the design of stormwater best management practices as well as fundamental concepts that describe why and how improper stormwater management causes such diverse and severe stream ecosystem degradation.

Program Features

- Courses are offered in the evening and some courses are offered online
- Program is designed for working professionals who desire to strengthen their knowledge in stormwater management
- Students may transfer up to 9 semester hours of coursework into the Master of Science in Environmental Engineering or Ph.D. in Engineering programs.

Curriculum Requirements

The certificate program’s four-course sequence (12 semester hours total) will provide students with fundamental knowledge and design skills related to stormwater impact, quantity control and quality.

- Required Course (3 semester hours)
  CEE 5641: Urban Streams and Stormwater Management
  This course provides students with a basic understanding of the effects of urban stormwater runoff on stream channel morphology and ecology and the best practices available to control both the quantity and quality of the runoff.

- One of the following courses (3 semester hours)
  CEE 5621: Engineering Hydrology
  CEE 5631: Environmental Hydrology

- Two of the following courses (6 semester hours)
  CEE 5623: Contaminant Dynamics in Urban Streams
  CEE 5701: Physical Principles of Environmental Systems
  CEE 5703: Mathematical Modeling
Admission Requirements

For admission consideration, applicants must have an undergraduate degree. Although applicants are not required to have an engineering undergraduate degree, applicants with an educational or professional background in hydrology, geomorphology and stormwater management are highly considered.

Application Requirements

To apply for admission, applicants must submit the following credentials:

- Application form
- Statistical Record for New and Returning Students
- Official transcripts from all postsecondary institutions attended
- Resume
- Statement of goals

Please Note: The GRE is not required for admission consideration into the Stormwater Management certificate program.

The application and supporting materials should be sent to the following address:

Office of Graduate Studies
College of Engineering, Temple University
1947 N. 12th Street
Philadelphia, PA 19122

Application Deadlines

Applications are reviewed continuously, though we strongly encourage you to submit your application at least four weeks prior to your desired entry term.

Financial Aid and Tuition Information

Domestic students are eligible to apply for need-based assistance through the Office of Student Financial Services. For more information, please visit: http://www.temple.edu/sfs/

Tuition Costs for the 2013-2014 Academic Year

Pennsylvania Resident: $853/semester hour
Out-of-State Resident: $1150/semester hour

Contact Information

For more information, please contact:

Office of Graduate Studies
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Excessive erosion in urban streams threatens both habitat and infrastructure.