The Graduate Certificate in Environmental Sustainability

Department of Civil and Environmental Engineering

Newark College of Engineering

New Jersey Institute of Technology
WHY PURSUE A GRADUATE CERTIFICATE IN ENVIRONMENTAL SUSTAINABILITY?
Environmental engineers develop sustainable solutions to environmental problems by protecting the environment and improving water quality, and are essential in planning, designing and constructing water and wastewater treatment plants, solid waste disposal systems, site remediation approaches and emission control measures. In addition, new environmental challenges provide opportunities to solve global problems. Effective responses to the impacts of global climate change, to evolving sustainable development practices in industry, and to greener operations all require the skills for environmental sustainability. Major corporations, government agencies, private consulting, construction firms, and universities are just some of the organizations where employment is expected to increase by more than 25 percent through the year 2014 in order comply with regulations, develop methods of fixing existing problems, and prevent future ecological difficulties. A shift in emphasis toward preventing problems and addressing growing public health concerns spurs demand for an understanding of environmental sustainability.

WHY STUDY ENVIRONMENTAL SUSTAINABILITY AT NJIT?
NJIT’s Department of Civil and Environmental Engineering which, offers this credential, has been providing quality education for nearly 90 years. Its graduates are leaders in industry, government and military enterprises throughout New Jersey and across the nation. The teaching program is enriched by advanced research in environmental engineering, science, policy, building sciences and materials, and transportation. The department collaborates closely with NJIT’s New Jersey School of Architecture, and a dual degree program that combines the Master's in Architecture with the MS in Civil Engineering is a popular option.

GAINFUL EMPLOYMENT DISCLOSURE
For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at: http://adultlearner.njit.edu/programs/env-sustainability-cert-ge.php

WHAT WILL I LEARN?
The program is designed to provide a broad understanding of environmental sustainability issues, including:

- Interconnected natural and industrial ecosystems and tools to measure and understand them
- Values assigned by people and society to the environment and the policies and laws established to preserve, protect, manage and restore it
- Roles played by biological organisms in ecological processes, as well as their contributions to environmental technology in practice
- Key value of the water medium and the chemical movements and transformations that occur as an academic vehicle for illustrating environmental processes and their control and management

WHAT COURSES ARE OFFERED?
EVSC 627  Environmental Microbiology
ENE 663  Water Chemistry
ENE 671  Environmental Impact Analysis
EPS 622  Sustainable Development*

Complete course descriptions can be found in the NJIT Online Catalog at http://catalog.njit.edu/graduate.

*Now or shortly available online.
Courses are subject to change.
√ Take care to select courses in proper order. Check course descriptions, because they state if one course must be taken before (i.e.; is a prerequisite to) another.

WHERE ARE THE CLASSES OFFERED?
Some courses are available online and all courses are available at NJIT’s Newark campus. Customized NJIT degrees and academic certificates can be brought on-site to your company or customized and conducted at a location convenient to a consortium of companies.

WHAT IS THE TUITION FOR GRADUATE COURSES?
Use the tuition calculator to see the cost of your education quickly and easily: http://adultlearner.njit.edu/costs.

IS FINANCIAL AID AVAILABLE EVEN FOR PART-TIME STUDENTS?
Yes, sources of financial aid or tax credits are available at: http://adultlearner.njit.edu/costs.

CAN THE GRADUATE CERTIFICATE BE APPLIED TO AN ADVANCED DEGREE?
Courses in the Graduate Certificate program in Environmental Sustainability can be wholly applied to NJIT’s MS in Environmental Engineering.

HOW DOES THE GRADUATE CERTIFICATE PROGRAM WORK?
In any given year, NJIT offers a new slate of Graduate Certificates, each in a specific area which is in a fast growing and employable profession. Each stand-alone credential is a milestone in its own right and can be a 12-credit springboard to a matching Masters Degree program at NJIT or elsewhere. The credential can be completed in as little as one academic year of part-time study. Many can be studied online, in whole or partially. The straightforward and rapid admissions process requires possession of an undergraduate degree with a satisfactory grade point average. A GRE or GMAT score is not a pre-requisite. Depending on the program, courses can be taken online, on campus, or at NJIT extension sites around New Jersey. For a complete list of available Graduate Certificates, please visit: http://www.njit.edu/gradcert.

BRINGING A GRADUATE CERTIFICATE TO YOUR COMPANY
Arrangements can be made to bring a Graduate Certificate or Master’s program on-site to your company. A customized Graduate Certificate can also be offered to match your company’s area of technological and managerial specialty. For more information about Company Collaborative Graduate Certificates or enrollment in any of our Graduate Certificates, please contact Continuing Professional Education.

FOR FURTHER INFORMATION:
Division of Continuing Professional Education
1-800-624-9850 (Toll Free)
1-973-596-3060 (New Jersey)
Email: cpe@njit.edu

ON THE WEB:

APPLY ONLINE:
http://adultlearner.njit.edu/admissions