Experiential Learning
Research and Development

Students, faculty members, and institute personnel collaborate on projects addressing the needs of industry and government, including the Long Island Carbon Footprint Project and others exploring parallel transmission systems for hybrid electric vehicles; the availability of solar radiation in a dense urban environment; distilling biodiesel fuel from waste cooking oils; and water management policy.

Recent Student Projects
- Environmental Degradation through Toy Production and Manufacturing.
- Carbon Dioxide Capture and Elimination from Automobiles.
- Environmental Technology Curriculum for Grade Schools.
- Long Island Carbon Footprint Project.
- Greenhouse Gas Accounting—Transportation Sector.
- Design of a Green Academic Building.
- Proposed Solar Power Plant in Jodhpur, India.
- Introducing Offshore Wind Power to the Caribbean.
- Soil and Groundwater Remediation Technologies.
- Field Screening Methods at Environmental Remediation Sites.
- Arsenic Removal in Drinking Water in New Jersey: Treatment Technique and Its Design.
Come to NYIT to earn a degree. Go on to protect the planet.

Organizations around the corner and around the world, including the United Nations, the World Bank, and more, have called for sustainable solutions to mitigate myriad environmental issues that impact us all. NYIT’s practice-oriented experiential programs in Environmental Technology and Sustainability merge environmental sciences, sustainability, climate change, and pollution prevention to help address challenges of today and tomorrow.

Master of Science in Environmental Technology & Sustainability

Our 30-credit program, led by experienced faculty with professional industry contacts, includes a thesis project (in consultation with a faculty advisor); more than 20 electives; evening (Old Westbury or Manhattan) and online classes; and a concentration in urban environmental sustainability.

Core Courses (3 credits each)

- Introduction to Environmental Technology
- Hydrology and Groundwater Contamination
- Fundamentals of Air Pollution
- Sustainability and the Environment
- Energy and Environmental Law

Audit or Design Thesis Project (6 credits)

Advanced Concentration:
Urban Environmental Sustainability

Meet the growing need for studies in the rapidly urbanizing world by completing a concentration in urban environmental studies as part of your Master of Science program. The 18-credit concentration includes coursework in:

- Sustainability and the Environment
- Urban Environmental Sustainability
- Sustainability and Life Cycle Assessment
- Hydrology and Groundwater Contamination
- Pollution Prevention and Waste Management
- Fundamentals of Air Pollution

Your Next Move

Consulting and manufacturing organizations look to our graduates for state-of-the-art sustainable and environmental technology best practice applications. Our alumni are also employed at all levels of government including:

- U.S. Environmental Protection Agency
- New York City Department of Environmental Protection
- New York State Department of Environmental Conservation
- Long Island Railroad
- Metropolitan Transportation Authority
- Brookhaven National Laboratory
- Regional Greenhouse Gas Initiatives
- New York State Energy Research and Development Authority (NYSERDA)

More Information

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