

ENVIRONMENTAL MANAGEMENT AND TECHNOLOGY

PROGRAM OVERVIEW FOR EMPLOYERS

RIT's environmental management and technology programs were designed with the active assistance of environmental leaders from government and industry. They combine a solid background in science and technology with business, communication and law to prepare students to become environmental managers in public and private sectors. The depth and breadth of these programs are unique. Students receive a strong background in science and an in-depth understanding of technical systems. This preparation is combined with non-technical areas such as public relations, communications, team building and finance.

Degree(s) Awarded

Bachelor of Science
Master of Science (Envir. Health & Safety Mgmt.)

Enrollment

Approximately 40 students are enrolled in undergraduate and graduate programs.

Cooperative Education Component

Undergraduate students are required to complete 4-5 co-op work assignments.

Students are available for two 6-month and one 3-month assignment.

Salary Information (Avg/Range)

Co-op:	\$13.90	\$10.00 - \$20.00
BS:	\$40,500	\$34,000 - \$47,000

Equipment & Facilities

Extensive laboratory work in environmental geology, hydrology, and environmental monitoring and measurement.

Student Skills & Capabilities

- The curriculum focuses on environmental compliance, planning, and management. Students gain the necessary knowledge and skills to establish and verify compliance with environmental standards in controlling air, water and solid waste pollutants. In addition, they gain a broader, more all-encompassing philosophy of environmental concerns which extends far beyond pollutant control into resource management and planning. Core coursework includes environmental health and safety, solid and hazardous waste management, air emissions management, industrial wastewater, remedial investigation and corrective action, environmental permitting, resource reduction, environmental law, and project management.
- All undergraduate students earn the OSHA 40-hour Certification in Hazardous Waste Operations when they successfully complete the Occupational Health course and accompanying lab.

Environmental Management and Technology

First and Second Years:

Chemistry Principles
General Biology/Lab
Environmental Management Seminar
Survey of Computer Science
Intro to Organic Chemistry/Lab
Data Analysis I & II
Environmental Communication
Teams & Team Development
Field Biology
Principles of Environmental Management
College Physics
Quantitative Methods
Financial Accounting
Environmental Geology/Lab
Liberal Arts
Algebra for Management Science
Calculus for Management Science
Human Biology II, Lab
Occupational Health, Lab
Professional Elective
Problem Solving and Communication with Computers

Course Sequence BS degree

Third, Fourth and Fifth Years:

Occupational Health
Intro to Hydrology/Lab
Resource Reduction
Environmental Monitoring & Meas./Lab
Environmental Regulatory Law
Project Management
Environmental Permitting
Senior Project Planning
Senior Project
Professional Elective (4 courses)
Liberal Arts Electives
Solid & Hazardous Waste Management
Air Emissions Management
Industrial Wastewater Mgmt
Remedial Investigation & Corrective Action
Corporate Environmental Mgmt
Financial Accounting
Cooperative Education Preparation
Organizational Behavior
Environmental Regulatory Law

Employers of Environmental Management and Technology Co-op and Graduating Students:

Bergmann Associates, Bristol Myers, Day Environmental, Inc., Eastman Kodak, Environmental Resources Mgmt., Exxon Mobil, Ferro Corporation, General Electric, Goulds Pumps, Inc., Hamilton College, Huntsman, International Paper, ITT Industries, Kellogg, LMS Engineers, Marson Corporation, McNeil Consumer Products, Mobil Chemical, Monroe County, Pratt & Whitney, Radian, Techneglas, Valeo Automotive, Waste Mgmt. of NY.

Function:

Engineering aid completing experimentation: EH&S assistant; lab tech, data gathering, data reduction, preparation of permits, creating environmental training educational intern, developing programs; maintain records, conduct investigations of spills, permit exceedances resource reduction projects, maintain compliance.

Contact Us:

We appreciate your interest in hiring RIT co-op, graduating students or alumni. We will make every effort to make your recruiting endeavor a success. Call our office and ask to speak with George Crowley, the program coordinator who works with the Environmental Management and Technology program. For your convenience, you can access information and services through our web site at <http://www.rit.edu/recruit>.

George E. Crowley

Program Coordinator

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