

ENVIRONMENTAL SUSTAINABILITY, HEALTH AND SAFETY

PROGRAM OVERVIEW FOR EMPLOYERS

RIT's environmental, sustainability, health and safety program its graduates to work as environmental project managers and program managers both in industry and in government. Students gain a strong foundation in science and applied environmental science and are provided with the basic tools of financial management, team building and leadership. They learn the applicable environmental laws, regulations and the appropriate technologies for protecting air, water and land resources. They are ready to eliminate, reduce and control releases of pollutants into the environment.

Degree(s) Awarded

Bachelor of Science
BS/MS Dual Degree

Enrollment

Approximately 40 students enrolled.

Cooperative Education Component

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

Students are available for 6-month or 3-month assignments.

Salary Information (Avg/Range)

Co-op:	\$14.00	\$13.00 - \$18.00
BS:	\$50,000	\$40,000 - \$65,000

Equipment & Facilities

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

Air monitoring including exposure assessment.

Student Skills & Capabilities

- All students earn the OSHA 40-hour Certification in Hazardous Waste Operations when they successfully complete the Occupational Health course and accompanying lab.

BS/MS Dual Degree

The BS/MS dual degree program combines two existing programs, the 5 year BS degree in Environmental Sustainability, Health and Safety and the 4 quarter MS degree in Environmental, Health and Safety Management, into one 5 year program.

Environmental Sustainability, Health and Safety

Course Sequence BS degree

First and Second Years:

EHS Seminar
Algebra for Management Science
General & Analytical Chemistry I, II, Lab
Principles of ESHS
Foundations of Organic Chemistry
Data Analysis I & II
Environmental Communication
Field Biology
College Physics I, II
Environmental Geology/Lab
Liberal Arts
Calculus for Management Science
Human Biology II, Lab
Occupational Health, Lab
Problem Solving and Communication with Computers

Third, Fourth and Fifth Years:

Occupational Safety
Hydrology/Lab
Resource Reduction
Environmental Monitoring & Meas./Lab
EHS Law
Ethics
EHS Accident Causation and Prevention
ESHS Capstone Proposal
ESHS Capstone Project
Professional Elective (4 courses)
Liberal Arts Electives
Solid & Hazardous Waste Management
Air Emissions Management
Industrial Wastewater Mgmt
Environmental Monitoring & Measurement, Lab
Corporate EHS Mgmt
Financial Accounting
Cooperative Education Preparation
Organizational Behavior
Construction Safety, Lab
Social Responsibility and Environmental Sustainability
Cooperative Education

Technical Electives:

ENVIRONMENTAL CONSULTING

Remedial Investigation
Project Management
Contaminant Hydrology
Environmental Risk Management and Communication

HEALTH AND SAFETY

Mechanical and Electrical Controls
Fire Protection
Ergonomics

ALTERNATIVE ENERGY

The Greening of RIT (Honors)
Introduction to Hydrogen Technology
Energy Policy
Special Topic: Alternative Energy Resources
Renewable Energy Management

SUSTAINABILITY

Operations and Supply Chain Management
Product Stewardship
Biodiversity and Society
Sustainable Communities
Resource Reduction

EMERGENCY MANAGEMENT

Emergency Preparedness Law
Emergency Planning and Methodology
Counter Terrorism for the First Responder
Emergency Operations

Selected Employers of Environmental Sustainability, Health and Safety Co-op and Graduating Students:

Xerox, Cornell University, University of Rochester, Corning, Bergmann Associates, Day Environmental, Inc., Eastman Kodak, Environmental Resources Mgmt., Exxon Mobil, Ferro Corporation, General Electric, Hamilton College, Huntsman, International Paper, ITT Industries, Kellogg, LMS Engineers, Marson Corporation, McNeil Consumer Products, Mobil Chemical, Monroe County, Pratt & Whitney, Radian, Technoglas, Waste Mgmt.

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 Lynne Perry, the program coordinator who works with the Environmental Sustainability, Health and Safety program. For your convenience, you can access information and services through our web site at <http://www.rit.edu/recruit>.

Lynne Perry, Program Coordinator

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