

“Green Jobs” training available in Connecticut.

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Connecticut State Universities

University of Connecticut-Avery Point (Groton, CT)
http://www.averypoint.uconn.edu/avery_point/index.htm

Coastal Studies Major (Undergraduate)

This program is an interdisciplinary major that provides students an opportunity to learn about how to keep our oceans and coasts beautiful, productive, and healthy. The curriculum combines a solid foundation in coastal marine science and a background in the human dimensions that are crucial for solving real-world environmental problems. Courses include fieldwork in the region’s varied marine habitats integrated with laboratory analysis.

<http://www.marinesciences.uconn.edu/MSCSS/degree.html>

Environmental Science (Undergraduate)

This program studies the living and nonliving parts of Earth, and evaluates human impacts to promote informed management. The Environmental Science BS program aims to educate students who will:

- Understand the scientific principles and social factors underlying local, national and international environmental issues;
- Have the skills to work in the public and private sectors; and,
- Have sufficient grounding in one environmental discipline, as well as the interdisciplinary scientific base, to pursue advanced degrees.

<http://www.enviroscience.uconn.edu/>

Maritime Studies (Undergraduate)

This program will explore the historical and contemporary aspects of human society and the marine and coastal environments. Students will complete a series of core courses that explore maritime issues from historical, literary, social science and natural science perspectives

http://www.averypoint.uconn.edu/maritime_studies/intro.htm

Marine Chemistry Studies (Graduate)

This program includes both field and laboratory work. The group works in a range of environments, from the cold of the Arctic to the heat of hydrothermal environments and tropical areas. Analytical techniques used include high-performance liquid-chromatography (HPLC), gas chromatography (GC), spectrophotometry, fluorometry, micro-electrodes, GC-mass spectrometry (GC-MS), and inductively coupled plasma with infra-red detection (ICP-IR). The group also uses many more pieces of chemical instrumentation belonging to the Suspended Matter Analysis Laboratory for Education and Research, an NSF-funded facility housed in the department. Five new clean rooms, ranging from class 10,000 to class 100, are other recent additions to the infrastructure available to the chemistry group. The clean rooms make it possible to carry out sensitive trace analysis of metals and organic materials.

<http://www.marinesciences.uconn.edu/academic/chemistry.html>

Environmental Engineering Minor (Undergraduate)

This minor can significantly enhance and strengthen the educational experience of students to provide a firm basis for understanding the impact of human activity and pollutants on the environment as well as the need for environmentally sound manufacturing processes and sustainable development.

<http://www.catalog.uconn.edu/minors.htm#Envi>

University of Connecticut (Storrs, CT) <http://www.uconn.edu/>

Environmental Science (Undergraduate)

The major in Environmental Science is based in the physical and biological sciences, but also includes course work in selected areas of the social sciences. The major leads to a Bachelor of Science degree, and may be adopted by students in either the College of Agriculture and Natural Resources or the College of Liberal Arts and Sciences. This curriculum offers a comprehensive approach to the study of environmental problems, including not only a rigorous scientific background, but also detailed analyses of the social and economic implications of environmental issues. The complexity and interdisciplinary nature of environmental science is reflected in the core requirements of the major. These courses, assembled from several different academic departments representing two colleges, provide both breadth and depth, preparing students for careers that deal with environmental issues and for graduate study in environmental science and related fields.

<http://www.catalog.uconn.edu/canr.htm#Lan>

Landscape Architecture (Undergraduate)

This major provides instruction in site planning and design, landscape history, landscape architectural graphics and presentation. It includes the use of plants and other features to enrich exterior spaces. Through seminars, studio projects and internships, students learn to apply theory to actual case studies. The program is accredited by the American Society of Landscape Architects.

<http://www.canr.uconn.edu/plsci>

Natural Resources (Undergraduate and Graduate)

This major, offered by the Department of Natural Resources and the Environment, prepares students for careers related to the management of natural resources. Students develop skills in applying modern technology, concepts and principles dealing with sustainable development, environmental protection and resource conservation. Students select one of the following concentrations: Air and Water Resources, Environmental Conservation, Fisheries and Wildlife Conservation, Forest Resources, or Geomatics.

<http://www.nre.uconn.edu>

Chemical Engineering (Undergraduate and Graduate)

This is a program where students study mathematics, chemistry, and other topics and learn how to apply them outside of the laboratory. They are exposed to environmental, economic, safety and social issues that people deal with everyday.

<http://www.cmbe.engr.uconn.edu/>

Civil Engineering (Undergraduate and Graduate)

There are Bachelor's and Master's Degree programs that educate students in the field of civil engineering. Students will learn how to design and build the infrastructure that is needed for our everyday lives. These include buildings, highways, and other structures.

<http://www.engr.uconn.edu/cee/>

Electrical Engineer (Undergraduate and Graduate)

Bachelor's and Master's Degree programs where students learn the fundamentals and a broad foundation of courses to help them with electrical engineering. Further study is done in laboratory settings where they will learn how to repair, create, and maintain electrical products.

<http://www.engr.uconn.edu/ece/index.php>

Environmental Engineer (Undergraduate and Graduate)

These programs train professionals who can address cross-disciplinary environmental problems. The complex nature of environmental problems often requires that the appropriate science be developed prior to the actual engineering implementation. Environmental engineers use physical and social science skills while making decisions on the job.

<http://www.engr.uconn.edu/environ/>

Mechanical Engineering (Undergraduate and Graduate)

Bachelor's and Master's Degree programs introduce students to engineering, science, and mathematical principles in preparation for rewarding careers in engineering.

<http://www.engr.uconn.edu/me/page.php?id=prosstu&pid=psmain>

Natural Resources Management and Engineering

(Undergraduate and Graduate)

Bachelor's and Master's Degree programs that prepare students to manage and conserve the environment. Graduates work toward resolving issues related to natural resource renewal, management, and conservation. These professionals are active in the fields of forest, wildlife, and fisheries management, water resources, and wetland conservation. Student must declare a concentration in Air and Water Resources, Environmental Conservation, Fisheries and Wildlife Conservation, Forest Resources, or Geomatics

<http://www.nrme.uconn.edu/>

Ornamental Horticulture and Turfgrass Management (Undergraduate)

The Radcliffe Hicks School of Agriculture students major in Ornamental Horticulture and Turfgrass Management or Animal Science. Ornamental Horticulture and Turfgrass Management majors may concentrate in ornamental horticulture or turfgrass management. Graduates pursue careers in golf course management, floriculture, landscape and grounds maintenance, greenhouse and garden center operations, nursery management, interiorscaping, park and land management or public horticulture.

<http://www.catalog.uconn.edu/schag.htm#Mai>

Environmental Economics and Policy Minor (Undergraduate)

The minor will provide interested students with an overview of key concepts and methods used by economists to analyze problems associated with human use and misuse of natural resources and the environment and to evaluate policy options for better management of these resources for current and future generations.

Environmental Engineering (Undergraduate and Graduate)

This minor can significantly enhance and strengthen the educational experience of students to provide a firm basis for understanding the impact of human activity and pollutants on the environment as well as the need for environmentally sound manufacturing processes and sustainable development. It requires completion of 18 credits including the following:

<http://www.catalog.uconn.edu/schag.htm#Mai>

Environmental Studies Minor (Undergraduate)

Environmental Studies is broadly concerned with the interaction between humans and the environment. The Environmental Studies Minor is a coherent 16-credit interdisciplinary (humanities, social sciences, and sciences) program to enable students interested in social science and/or policy approaches to solve environmental problems on a local, national, and global level. This minor provides students the opportunity to focus their related area and/or electives on environmental issues. None of the courses in the minor can be used within the student's major.

<http://www.catalog.uconn.edu/schag.htm#Mai>

Ornamental Horticulture Minor (Undergraduate)

The minor in Ornamental Horticulture provides an introduction to the production, maintenance and use of plants to enhance human environments.

<http://www.catalog.uconn.edu/minors.htm#Orn>

Forest Management (Undergraduate)

The forest management program has its primary emphasis on undergraduate education and extension. Major outreach programs focus on:

- Forest and wildlife stewardship
- Urban and community forestry
- Estate planning and family lands protection
- Municipal and watershed natural resources inventories and planning

<http://www.cag.uconn.edu/nrme/nrme/pages/forest/forest.php>

Central Connecticut State University (New Britain, CT) <http://www.ccsu.edu/>

**Biology: Specialization in Environmental Science (non-teaching)
(Undergraduate)**

The B.S. Biology: Specialization in Environmental Science degree program provides students with a strong biology core curriculum with added multidisciplinary strengths in environmental science, particularly aquatic (freshwater and estuarine) ecology and plant and animal organismal biology. The program prepares students for careers in environmental science and natural resources management with government agencies, nongovernmental organizations, and the environmental industry, or for graduate study in these areas.

http://www.biology.ccsu.edu/Programs/UnderGrad/BS_Environmental.htm

Biology: Ecology and Environmental Sciences (Graduate)

The Master of Arts in Biology: Ecology and Environmental Sciences program is designed to fulfill the educational needs of biologists who desire further specialization and/or knowledge of recent advances in ecological and environmental biology as well as students who seek a strong foundation in ecology in preparation for study at the doctoral level and teachers who are specializing in ecology and environmental biology.

http://www.biology.ccsu.edu/Programs/Grad/MA_EcoEnvi.htm

Construction Management (Undergraduate and Graduate)

This Bachelors Degree program prepares students for management and supervisory professions in the challenging world of construction. The curriculum focuses on field operations, estimating, and project management processes as they relate to building and heavy/highway construction projects.

http://www.technology.ccsu.edu/programs/information/mcm_com_index.html

Mechanical Technology (Undergraduate)

Bachelors Degree program where engineers research, develop, design, manufacture, and test tools, engines, machines, and other mechanical devices. They work on power-producing machines such as electric generators, internal combustion engines, and steam and gas turbines, as well as power-using machines such as refrigeration and air-conditioning equipment, machine tools, material handling systems, elevators and escalators, industrial production equipment, and robots used in manufacturing.

http://www.technology.ccsu.edu/programs/information/engr_me_index.html

Civil Engineering Technology (Undergraduate)

Civil Engineering Technologists plan, design, inspect and direct the construction of buildings, roads, dams, bridges, airports and wastewater treatment facilities, etc. Students in the Civil Engineering Technology program receive an education that stresses the practical application of engineering principles. Students take courses in mathematics, physics, chemistry, engineering mechanics, surveying, CAD, structural design, materials, soils, hydrology and construction. Many of these courses include laboratory activities that demonstrate the application of classroom concepts.

http://www.technology.ccsu.edu/programs/information/et_civ_index.html

Engineering Technology (Undergraduate and Graduate)

The Masters of Science in Engineering Technology degree will provide students with a background in applied engineering methods utilizing the latest design and analysis software and hardware. Core program requirements provide advanced concepts on material and manufacturing techniques for the Mechanical/Manufacturing and architectural and project administration for the Civil MSET degree. The degree program is designed for the graduates from engineering and engineering technology 4-year programs as well as engineers with industrial experience.

http://www.technology.ccsu.edu/programs/information/et_masters_index.html

Natural Science (Graduate)

This program expands the knowledge of the physical or earth science content areas. It also expands upon inquiry and curriculum development and assessment in the science content areas, with a focus on the CT Science Standards.

http://web.ccsu.edu/grad/academics/naturalsci_ms.htm

Eastern Connecticut State University (Willimantic, CT) <http://www.easternct.edu/>

Certificate in Energy Management and Policy

This is a certificate program that has courses focusing on environmental issues for individuals who want to expand their knowledge of the environment, environmental management, and environmental policy. Students will investigate the basic environmental issues we are facing, environmental management, and laws and policy that effect environment.

<http://nutmeg.easternct.edu/environmentalearthscience/empCert.htm>

Environmental Earth Science, minor in Sustainable Energy Studies (Undergraduate)

The goal of the minor is to introduce students to sustainable energies, to insure that students understand the social and economic implications of energy

technology, to insure everyone understands the technical and scientific basis of energy policy, and to prepare educators to teach about energy science. Upon graduation students will be able to work as energy policy specialists in many areas of employment. Sustainable Energy Studies will become a major in Fall Semester of 2009

<http://nutmeg.easternct.edu/environmentalearthscience/sesMinor.htm>

Environmental Earth Science (Undergraduate)

The Environmental Earth Science (EES) major provides a broad based education in the earth sciences while remaining firmly grounded in geology. The curriculum stresses (1) the materials, processes, and features of the earth; (2) the ever-changing face of the earth over time; and (3) the ways in which earth scientists investigate the earth to address environmental concerns. The student gains this knowledge about our planet from a sequence of required and elective earth science courses offered in two tracks. The student selects one track to follow. Courses in chemistry, physics, mathematics, and computer science are integrated into the major to provide the diverse background necessary for analyzing environmental problems. The Environmental Earth Science track addresses areas such as environmental management, geologic hazards, and groundwater contamination. In addition to formal coursework, independent studies and internships offer students the opportunity to integrate field, laboratory, technical writing, and/or computer skills in the investigation of environmental or earth science questions.

<http://www.easternct.edu/environmentalearthscience/ees.htm>

General Earth Science (Undergraduate)

The General Earth Science track is appropriate for those interested in elementary or secondary school teaching. In addition to formal coursework, independent studies and internships offer students the opportunity to integrate field, laboratory, technical writing, and/or computer skills in the investigation of environmental or earth science questions.

<http://www.easternct.edu/environmentalearthscience/ges.htm>

Environmental Earth Science Minor (Undergraduate)

The minor is designed for students majoring in other disciplines who are interested in earth science or who are apt to need knowledge of basic earth science in their careers.

<http://www.easternct.edu/environmentalearthscience/eesMinor.htm>

Southern Connecticut State University (New Haven, CT) <http://www.southernct.edu/>

Earth Science (Undergraduate)

This Bachelor's Degree program educates students on principles and topics that affect our earth and the environment around us. There are degrees that specialize in environmental earth science, geology, and oceanography for students whose career interests are well-defined.

<http://www.southernct.edu/earthscience/>

Earth Science Specialization (Undergraduate)

<http://www.southernct.edu/earthscience/curriculum/>

Earth Science Minor (Undergraduate)

This minor is suitable for students who would benefit from a broad base in the earth sciences, such as majors in education.

<http://www.southernct.edu/earthscience/curriculum/>

Environmental Studies Minor (Undergraduate)

The environmental studies minor offers an interdisciplinary program including areas related, but not limited to, land use planning, pollution prevention and controls, societal, political and economic pressures on the environment.

<http://www.southernct.edu/sciedu/programs/undergraduate/>

Environmental Education (Graduate)

The Master of Science in environmental education is useful preparation for educators and others whose interest and/or responsibilities involve improving the environment. It is open to graduate students regardless of their undergraduate academic majors. An emphasis on practicality and application of theory reflects a focus on bringing about environmental change through educational processes. The objective of the program is to prepare well informed people who are dedicated to improving environmental conditions.

<http://www.southernct.edu/sciedu/programs/graduate/>

Western Connecticut State University (Danbury, CT) <http://www.wcsu.edu/>

Meteorology (Undergraduate)

The Bachelor's degree program in meteorology is designed to prepare students for entry-level employment in meteorology or a related environmental field; and to prepare students for graduate level study. This major includes courses which lead to a Bachelor of Arts degree. Meteorology requires a solid foundation in science and mathematics. Candidates are encouraged to have completed

courses in high school mathematics through trigonometry, and a year of both chemistry and physics.

<http://www.wcsu.edu/physics/meteorology.asp>

Connecticut Community Colleges

Gateway Community College (North Haven, CT) <http://www.gwctc.commnet.edu/>

Advance Wastewater Management Certificate

The Advanced Wastewater Management Certificate prepares students for certification as Wastewater III and Wastewater IV Operators. The program has been designed in cooperation with the Connecticut Department of Environmental Protection and the Connecticut Water Pollution Abatement Association. Specialized courses may be offered at local Municipal Wastewater Treatment Plants.

<http://www.gwctc.commnet.edu/academics.aspx?id=239>

Alternative Fuel Vehicle Certificate

Certificate program addresses the preparation and conversion of vehicles to run on natural gas and the necessary components to make it work efficiently. Includes emissions training, internships dealing with hybrid engine vehicles, repair instructions for natural gas components.

<http://www.gwctc.commnet.edu/academics.aspx?id=204>

Environmental Science and Toxicology Certificate

The Environmental Science and Toxicology Certificate prepares students for entry-level technician positions in the fields of environmental science, toxicology, and forensic science or to continue their studies beyond the certificate to receive a two- or four-year degree.

<http://www.gwctc.commnet.edu/academics.aspx?id=237>

Wastewater Management Certificate

The Wastewater Management certificate prepares students to sit for the Wastewater I and Wastewater II Operator certification examination. The program has been designed in cooperation with the Connecticut Department of Environmental Protection and the Connecticut Water Pollution Abatement Association. Specialized wastewater courses may be offered at local municipal wastewater treatment plants.

<http://www.gwctc.commnet.edu/academics.aspx?id=238>

Water Management Certificate

Water management assures an adequate supply of water for domestic, commercial, industrial, and public use. Two main areas of water management are water treatment and water distribution. Connecticut continually needs qualified individuals in the water treatment and distribution areas to fill positions in the increasing number of plants. Requirements for advanced certification to qualify for such positions presently include formal course work. Gateway's Water Management Certificate program offers a sequence of courses to prepare students for the Connecticut Department of Health certification examinations.

<http://www.gwctc.commnet.edu/academics.aspx?id=240>

Environmental Science and Toxicology (Graduate)

The Environmental Science and Toxicology certificate prepares students for entry-level technician positions in the fields of environmental science, toxicology, and forensic science or to continue their studies beyond the certificate to receive a two- or four-year degree.

<http://www.gwctc.commnet.edu/academics.aspx?id=279>

Electrical Engineering Technology (Undergraduate)

Associate's Degree program that focuses on a variety of electrical and electronic devices, circuits, systems, and related applications that are integral parts of our modern, high-tech society. Students in this program receive theoretical and practical instruction to analyze, construct, test, and troubleshoot a wide variety of electrical, electronic, digital, microprocessor and communication circuits, and systems.

<http://www.gwctc.commnet.edu/academics.aspx?id=98>

Mechanical Engineering (Undergraduate)

Associate's Degree program where students learn mechanical principles and strategies to help them in the work force during the future. They perform analysis of machines, buildings, and learn the nature and properties of many materials used in engineering and construction.

<http://www.gwctc.commnet.edu/academics.aspx?id=266>

Manchester Community College (Manchester, CT) <http://www.mcc.commnet.edu/>

Environmental Science (Undergraduate)

This is an Associate's Degree Program that is designed to educate students on the emerging field of environmental science. This field is spurring the growth of job opportunities as a result of the ever-increasing awareness to monitor and improve the quality of the environment, to study the effect that human activity has on terrestrial and aquatic systems, and to find ways to restore them. As the

demand for oil and other fuels continues to increase, bringing with it the threat of increased pollution, an increasing amount of research is focusing on the development of alternate renewable and non-polluting energy sources.

<http://www.mcc.commnet.edu/academic/degrees/envSci.php>

Engineering Science (Undergraduate)

The Engineering Science associate degree program prepares students for transfer to baccalaureate college and university programs in mechanical engineering, electrical engineering, civil engineering, chemical engineering, industrial engineering and engineering physics, as well as for immediate employment in engineering sciences and high technology fields. The program also offers students currently employed in technical positions in high technology industries the opportunity to retrain and upgrade their technical skills.

<http://www.mcc.commnet.edu/academic/degrees/engSci.php>

Naugatuck Valley Community College (Waterbury, CT) <http://www.nvcc.commnet.edu/>

Fuel Cell Certificate

Offers a Fuel Cell Technology Certificate Program that is provided free of charge to anyone by Fuel Cell Energy. Upon completion of the course, students receive a job interview at Fuel Cell Energy's manufacturing facility.

<http://www.nvcc.commnet.edu/buseng/fuelcell-factsheet.shtml>

Horticulture Certificate

The Horticulture certificate program is designed to develop the skills and understanding needed for students to take responsible positions in grounds maintenance, tree and shrub nurseries, wholesale plant growing, landscaping, garden centers and retail greenhouses, golf courses, lawn care, and parks/recreation departments.

<http://www.nvcc.commnet.edu/pdf/catalog0910/catalog0910.pdf#page=143>

Wastewater Certificate

The Department of Environmental Protection has worked cooperatively with the Connecticut Community Colleges to develop this certificate as a means to providing current employees an opportunity to prepare for Class I and Class II certification examinations leading to job advancement possibilities at the wastewater treatment facilities in the state.

<http://www.nvcc.commnet.edu/pdf/catalog0910/catalog0910.pdf#page=143>

Wastewater (Advanced) Certificate

The Advanced Wastewater Certificate offers students a core of courses to prepare them for certification as Wastewater III and IV Operators. The Connecticut Community Colleges in collaboration with the Department of

Environmental Protection developed the certificate to provide training for current employees in municipal wastewater treatment plants as well as to educate a new pool of certified operators.

<http://www.nvcc.commnet.edu/pdf/catalog0910/catalog0910.pdf#page=143>

Electrical Engineering Technology (Undergraduate)

This Associate's Degree program emphasizes the fundamentals of electric and electronic circuit theory and analysis, but also stresses the role of computers, computer software, CAD systems, microprocessors, robotics, digital systems, programmable logic controllers (PLC's), various laboratory instruments, data acquisition and control systems. Students gain practical "hands-on" experience by using electronic instruments, microprocessors and computers.

<http://www.nvcc.commnet.edu/buseng/eet.shtml>

Engineering Technology, Mechanical Engineering option (Undergraduate)

This Associate's Degree Program combines theory with laboratory experience. Subjects such as mathematics, physics, engineering mechanics, fluid mechanics, materials of engineering, thermodynamics, CAD and mechanical design are included within the curriculum. After the theory is taught, it is applied to practical situations in the laboratories, which are supervised by professional engineers. Students learn how to set up and conduct an experiment, to extract and analyze engineering data, and to solve problems which require the application of engineering principles.

<http://www.nvcc.commnet.edu/buseng/met.shtml>

Environmental Science, Biology Option (Undergraduate)

This Associate's Degree uses biology, chemistry, and geology interwoven to provide a full picture of our environment and the impact that man has on it. The Environmental Science degree provides students with a foundation in the basic sciences, and provides the opportunity to tailor the program to the students' interests with a choice of options. The goal of the Biology Option is to prepare students to transfer into a biological environmental science program at a four year institution.

http://www.nvcc.commnet.edu/math_science/scienceframe2.shtml

Environmental Science, Environmental Systems Option (Undergraduate)

This Associate's Degree uses biology, chemistry, and geology interwoven to provide a full picture of our environment and the impact that man has on it. The Environmental Science degree provides students with a foundation in the basic sciences, and provides the opportunity to tailor the program to the students'

interests with a choice of options. The goal of the Environmental Systems Option is to prepare students for a position in industry dealing with the compliance of environmental regulations.

http://www.nvcc.commnet.edu/math_science/scienceframe2.shtml

Northwestern Community College (Winsted, CT) <http://www.nwcc.commnet.edu/>

Environmental Science (Undergraduate)

This Associate's Degree program is designed for students with an interest in forestry, fisheries and wildlife resources. This program provides students with a strong background in basic sciences as well as introduces them to concepts in nature conservancy and resource management.

<http://www.nwcc.commnet.edu/courses/environmentalscience.htm>

Environmental Science, Natural Resources Option (Undergraduate)

<http://www.nwcc.commnet.edu/courses/environmentalsciencenatres.htm>

Three Rivers Community College, (Norwich, CT) <http://www.trcc.commnet.edu/>

Civil Engineering (Undergraduate)

This Associate's Degree program prepares students with skills necessary for employment as civil engineering technicians with consulting firms, testing laboratories, utilities, and local, state and federal government agencies. Emphasis is placed on such tasks as: surveying, materials testing, drafting, construction inspection, design and erection of structures, transportation, water supplies, and sewage treatment.

http://www.trcc.commnet.edu/Academics/Program_study/POS_Assoc_and_Cert/Assoc_in_Science_Plans_of_Study/Civ_Eng_Tech_Tac_ABET_AS.html

Electrical Engineering (Undergraduate)

In this Associate's Degree program, an intensive study is made of the fundamentals of electric circuits, solid state electronics, and their application in electronic circuits and control systems. This study prepares the graduates for employment in a variety of electronic technology positions, as well as transfer to baccalaureate engineering technology programs. Due to the major impact of the computer in our society, the curriculum includes a concentration on digital circuits and digital control systems.

http://www.trcc.commnet.edu/Academics/Program_study/POS_Assoc_and_Cert/Assoc_in_Science_Plans_of_Study/Elec_Eng_Tech_Tac_Abet_AS.html

Environmental Engineer (Undergraduate)

This Associate's Degree program focuses on practical education with classes covering the basic quantitative and conceptual skills required of environmental engineering technicians. The program educates students in general and technical aspects of environmental issues and common practice environmental procedures.

http://www.trcc.commnet.edu/Academics/Program_study/POS_Assoc_and_Cert/Assoc_in_Science_Plans_of_Study/Env_Eng_Tech_Tac_AS.html

Mechanical Engineering (Undergraduate)

Associate's Degree program where students learn a broad range of subjects related to design, manufacturing, testing, and development of many products, machines, and systems. The Mechanical program provides a learning experience in state-of-the-art laboratories on the most sophisticated equipment available. It is geared toward a practical hands-on experience that makes the Mechanical graduate a highly respected and marketable individual for many different types of industries.

http://www.trcc.commnet.edu/Academics/Program_study/POS_Assoc_and_Cert/Assoc_in_Science_Plans_of_Study/Mech_Eng_Tech_Tac_AS.html

Environmental Safety and Health Management Certificate

Certificate program that teaches people about what environmental management and occupational, health, and safety standards must be met by law. Upon completion students will be able to apply environmental, safety, and health management skills in workplace settings, implement written workplace procedures in the environmental, health, and safety fields, describe concepts of workplace safety and environmental management and be able to understand the roles and responsibilities of the EHS professionals and the decision-making process involved in everyday situations, provide guidance in planning and implementing practices that promote safety and health and prevent workplace accidents.

http://www.trcc.commnet.edu/Academics/Program_study/POS_Assoc_and_Cert/Certificate_Plans%20of%20Study.htm#environmentalhealth

Wastewater Certificate

Wastewater treatment plant employees are prepared for the Wastewater Operator I and Wastewater Operator II certification examinations. All credits earned in this certificate are applicable towards the Technology Studies Associate degree.

http://www.trcc.commnet.edu/Academics/Program_study/POS_Assoc_and_Cert/Certificate_Plans%20of%20Study.htm#technologicalstudieswastewater

Wastewater advance Certificate

Wastewater treatment plant employees are prepared for advanced Wastewater Operator III and Wastewater Operator IV certification examinations. All credits earned in this certificate are applicable towards the Technology Studies Associate degree.

http://www.trcc.commnet.edu/Academics/Program_study/POS_Assoc_and_Cert/Certificate_Plans%20of%20Study.htm#technologicalstudiesadvancedwastewater

Technology Studies Wastewater option (Undergraduate)

Aspiring and current wastewater treatment plant employees are provided an opportunity to prepare for certification examinations, and to qualify for employment and advancement. Students who complete the Wastewater Option for the Technological Studies Pathway Degree program may choose to transfer to Central Connecticut State University, where their credits will be accepted into the Industrial Technology bachelor's degree program.

http://www.trcc.commnet.edu/Academics/Program_study/POS_Assoc_and_Cert/Assoc_in_Science_Plans_of_Study/COT_Tech%20S_Wastewater_AS.html

Private Colleges and Schools

Baran Institute of Technology, (East Windsor, CT) <http://www.baraninstitute.com/>

Electrician Certificate

Program introduces students to electrical applications, skills, and theory. Students will also design, wire, and install certain electrical apparatuses. Graduates are entry level Electrician Apprentices.

<http://www.baraninstitute.com/programs/electrical.php>

Diesel Technology Program Certificate

Program introduces students to diesel engines and components. They learn about how to repair transmissions, engines, electrical systems, brakes, fuel systems, and more. Upon graduation students are entry level diesel technicians who can work in dealerships, repair facilities, and transmission shops.

<http://www.baraninstitute.com/programs/diesel.php>

HVAC/R Technology Program Certificate

Baran's HVAC/R Technology Program training takes through everything from electrical to plumbing to trouble shooting today's commercial and domestic heating refrigeration/cooling units.

<http://www.baraninstitute.com/programs/hvac.php>

Connecticut College (New London, CT) <http://www.conncoll.edu/>

Environmental Studies (Undergraduate)

Environmental studies major that upon graduation gives you a Bachelors Degree. Courses for the major include many on government policy, federal and international laws, restoration, economics, and prevention. Students usually spend one semester at the Marine Biological Laboratory in Woods Hole, MA.

<http://www.conncoll.edu/departments/envirostudies/>

Architectural Studies (Undergraduate)

Expand outlook, embrace a broad understanding of architecture, and experience the insights that emerge from considering architecture and the cultural landscape from a range of disciplinary perspectives.

http://www.conncoll.edu/departments/arch_studies/

Post University (Waterbury, CT) <http://www.post.edu/maincampus/index.shtml>

Environmental Science (Undergraduate)

This is a Bachelor's Degree program that prepares students for positions with state or federal regulatory agencies, such as the Environmental Protection Agency and Department of Environmental Conservation, as well as consulting firms, research / development companies, or local (city or town) governments. The will serve as impact assessors, safety and health officers, conservationists, research specialists, laboratory managers, and park rangers in environmental-related fields such as environmental management, risk/impact assessment, conservation and laboratory, and field research.

<http://www.post.edu/maincampus/environmentalScienceCur.shtml>

Environmental Studies (Undergraduate)

Students who complete this Bachelor's Degree program will be prepared to take positions with non-profit organizations, environmental education centers (nature centers, parks, and recreation centers), public relations firms, businesses concerned with environmental issues, or law firms focused on environmental law. Many students who pursue this course of action elect to pursue graduate degrees in fields such as biology, environmental science, education, law or medicine.

<http://www.post.edu/maincampus/environmentalScienceCur.shtml>

St. Joseph College (West Hartford, CT) <http://www.sjc.edu/>

Chemistry (Undergraduate and Graduate)

Chemistry is the study of the structure and reactivity of matter as it relates to the world around us. Chemistry is an excellent foundation for medical, dental, pharmacy, or physical therapy schools.

http://www.sjc.edu/academics/academic_programs/school_of_health_and_natural_sciences/chemistry/default.html

Trinity College (Hartford, CT) <http://www.trincoll.edu/>

Civil Engineering (Undergraduate and Graduate)

<http://www.trincoll.edu/Academics/Study/Engineering/>

Mechanical Engineering (Undergraduate and Graduate)

<http://www.trincoll.edu/Academics/Study/Engineering/>

Chemistry (Undergraduate)

The Chemistry degree is typically viewed as having five major areas: analytical, biological, inorganic, organic, and physical. The chemistry major at Trinity is structured to provide a balanced presentation of these areas. The Biochemistry degree is also structured to focus on learning in these areas but also emphasizes the biological sciences and biological chemistry.

<http://www.trincoll.edu/Academics/Study/Chemistry/>

Environmental Science (Undergraduate)

This Bachelor's degree program is designed to educate people so that they can help with our energy and environmental problems that are facing us now and in the future. The program helps to deal with the impact of urban settings and how it is changing the surround non urban areas. Students will spend time at the Trinity College Field Station in Ashford to do biological and geological studies in its environment.

<http://www.trincoll.edu/Academics/Study/EnvironmentalScience/>

Public Policy and Law (Undergraduate)

Public Policy and law major where you must select a concentration, one choice is Environmental Law where you take numerous courses on standards, policy, links between environment and the economy and many other courses to fulfill concentration requirement.

<http://www.trincoll.edu/Academics/Study/PublicPolicyAndLaw/>

University of New Haven (West Haven, CT) <http://www.newhaven.edu/>

Chemistry (Undergraduate)

This program is designed to provide a traditional liberal arts background with the basic requirements of a chemistry major.

<http://www.newhaven.edu/4600/chem/>

Chemical Engineering (Graduate and Undergraduate)

This gives the student a Bachelor's Degree in Chemical Engineering. Graduates of the program work in industries such as pharmaceuticals, consumer products, fuel cells, energy products, environmental services, electronics, and biotechnology. Engineering and the applied sciences are dynamic professions that use knowledge, judgment, and creativity to solve some of the most important and interesting challenges of society.

<http://www.newhaven.edu/9519/>

Civil Engineering (Undergraduate)

This program gives a student a Bachelor's Degree in Civil Engineering. Civil engineers are problem solvers, taking on the challenges of environmental pollution, traffic congestion, infrastructure rehabilitation, drinking water and energy needs, urban redevelopment, and community planning. They are at the forefront of technology, leading users of some of the most sophisticated high-tech products available

<http://www.newhaven.edu/9521/>

Electrical Engineering (Graduate and Undergraduate)

There are programs that yield Bachelor's and Master's Degrees in Electrical Engineering. Electrical engineering is concerned with the analysis, design, development, and operation of electrical and electronic systems. Examples of these systems include communication, fiber optics, data processing, power generation and distribution, control, and instrumentation. The electrical engineer is also concerned with the devices that make up systems such as transistors, integrated circuits, rotating machines, antennas, lasers, and computer-memory devices.

<http://www.newhaven.edu/9547/>

<http://www.newhaven.edu/9592/>

Environmental Engineering (Graduate and Undergraduate)

Graduate program that yields a Master's Degree in environmental engineering helps to deal with problems such as water and air pollution, hazardous waste management, and other environmental problems that may arise in the engineering field

<http://www.newhaven.edu/10140/>

Environmental Science (Undergraduate and Graduate)

Bachelor's and Master's Degree interdisciplinary programs comprising courses in ecology, geology, chemistry, and legislation, it provides the advanced skills and knowledge necessary to meet the increasing demand for scientists with an environmental background. Field and laboratory work provide practical experience for students enrolled in the program

<http://www.newhaven.edu/4728/>

<http://www.newhaven.edu/4611/>

Mechanical Engineering (Undergraduate and Graduate)

There are Bachelor's and Master's Degree programs that train students in the principles of mechanical engineering. analysis, design and testing of machines, products and systems essential to everyday life— from doorknobs, tennis rackets and fishing reels to power plants, skyscrapers, automobiles, airplanes and space shuttles. Mechanical engineers work in a variety of areas including aerospace, utilities, materials processing, transportation systems, manufacturing, health care, telecommunications, and oil and gas exploration.

<http://www.newhaven.edu/9551/>

Geographical Information Systems Certificate

This certificate program provides professional training in the technology and application of computerized cartography and spatially referenced databases. GIS is an increasingly important technology in environmental sciences, urban and regional planning and management, marketing, criminal justice, communications, and energy and natural resource protection.

<http://www.newhaven.edu/4750/>

Environmental Science (Undergraduate and Graduate)

This program provides students with a strong foundation in biological and earth sciences, chemistry, physics, and mathematics, followed by a variety of advanced courses in geoscience, environmental science, and related disciplines.

<http://www.newhaven.edu/4611/>

Environmental Engineering (Graduate)

The program in environmental engineering is designed to prepare engineers for successful and dynamic careers in the continuously expanding field of environmental engineering. Due to its interdisciplinary nature, the program allows students to take a combination of courses in related areas.

Wesleyan University (Middletown, CT) <http://www.wesleyan.edu/>

Environmental Study Certificate

Topics of special interest within the certificate program include: global climate change and its expected impact on society; and creation of a sustainable economy; food production; population growth; clean air and water; biodiversity; resource efficiency; environmental justice; and responsible environmental policies among industrial and commercial enterprises.

<http://www.wesleyan.edu/escp/>

Earth and Environmental Science (Undergraduate and Graduate)

There are programs at this University for Earth and Environmental Science that give out Bachelor's and Master's Degrees along with an Environmental Certificate Program. The major is designed to teach students about many aspects of the natural world. Course topics range from volcanoes to climate change and eco-conservation.

<http://www.wesleyan.edu/ees/>

Yale University (New Haven, CT) <http://www.yale.edu/>

This institution offers specific courses in Green Chemistry, Green Business Operations, Green Engineering and Sustainable Design, and Industrial Ecology. No Green Chemistry or Green Engineering major or degree program.

<http://www.greenchemistry.yale.edu/>

Chemistry (Undergraduate and Graduate)

In addition to graduate work in chemistry, biochemistry, medicine, or other health-related disciplines, the department's graduates find their broad scientific training useful in fields such as business management and law. As contemporary society's problems involve ever more complex scientific issues, degree programs in the sciences become increasingly appropriate for students wishing to pursue careers in public policy, government, or public service. The breadth of exposure to the physical and life sciences makes chemistry an especially appropriate major for these students.

<http://www.chem.yale.edu/undergrad/>

Chemical Engineering (Undergraduate and Graduate)

The Yale Chemical Engineering program is principally focused on basic and engineering sciences, and problem solving. Additional focus is on communication, analysis of experiments, and chemical process design. A special feature of our program is the accessibility of laboratory research -- most

Chemical Engineering majors participate in faculty-led research projects, often resulting in publication and/or presentation at national meetings.

<http://www.seas.yale.edu/departments-chemical-undergraduate.php>

Electrical Engineering (Undergraduate and Graduate)

Bachelors and Masters Degree programs that allow students to study electrical engineering and enter a career field that includes computers, communications, energy, power generation, illumination, transportation, and biomedical technology.

<http://www.seas.yale.edu/departments-electrical.php>

Environment Studies (Undergraduate and Graduate)

This program provides a more comprehensive and interdisciplinary approach to environmental issues than does a traditional Yale major. Environmental Studies prepares students for leadership at local, national, and international levels. "Leadership" may involve work for a nongovernmental organization (NGO), state and local government, Congressional or federal-agency staff, or corporate management. Environmental Studies is a problem-solving discipline, good preparation for graduate study in law, medicine and public health. Environmentally-aware Yale graduates have also pursued careers in teaching, writing, resource management and conservation.

<http://www.yale.edu/evst/whymajor.html>

Environmental Engineering (Undergraduate and Graduate)

Environmental engineers assess the problems afflicting our environment and work on developing engineering solutions for improving our environmental conditions. Environmental engineers handle drinking water safety, groundwater protection, wastewater treatment, reduction of indoor and outdoor air pollution, solid and waste disposal, and various hazards in our environment. They devise ways to clean up contaminated sites and develop approaches to preserving our wetlands. They also help prevent pollution by designing products and processes that would do as little harm to the environment as possible.

<http://www.seas.yale.edu/departments-environmental-undergraduate.php>

Geology and Geophysics (Undergraduate and Graduate)

Geology and Geophysics is the scientific study of the Earth as a planet; studies include many specialized topics such as paleontology, geochemistry, planetology, meteorology, oceanography, environmental science, tectonics, seismology, mineralogy, petrology, and mineral deposits. Offerings in the major are designed both for students preparing for a professional career in any aspect of earth or planetary science and for students simply interested in their surroundings, the natural environment, or natural resources.

<http://www.geology.yale.edu/>

Mechanical Engineering (Undergraduate and Graduate)

Bachelors and Masters Degree programs that educate students in the most diversified engineering field. Mechanical engineers design and build machines and devices that enable humans to live and work in space, in the air, on the ground, and under water. Their machines can extend our physical capabilities, improve our health and standard of living, and impact the environment in which we live.

<http://www.seas.yale.edu/departments-mechanical.php>

Master of Environmental Management (MEM)

This degree is designed for students interested in pursuing careers in environmental policy and analysis, stewardship, education, consulting, or management. The program requires course work in both the natural and social sciences, with a focus on the complex relationship among science, management, and policy. The purpose of the program is to provide students with a scientific understanding of ecological and social systems that can be applied in a policy or management context.

<http://environment.yale.edu/about/Master-of-Environmental-Management-MEM/>

Master of Forest Science (MFS) and Master of Environmental Science (MESC)

The Master of Forest Science and the Master of Environmental Science degree programs are designed for students wishing to conduct scientific research that contributes toward basic and applied knowledge. The Master of Forest Science degree is intended for those students wishing to work in forest-related topics; and the Master of Environmental Science degree is intended for students wishing to work in non-forest related environmental issues. These Science degrees are intended to provide students a deeper disciplinary focus than the Management degrees, while holding to the core value of the school that students should be allowed flexibility in course selection in order to meet their educational goals. The course of study includes formalized training in the philosophy and practice of science. Training is provided through key courses in combination with extended research. The scientific research required for this degree will be conducted in close collaboration with an environment school faculty advisor. It is therefore expected that each student will identify and work with such an advisor no later than the end of their first semester.

<http://environment.yale.edu/about/Master-of-Forest-Science-MFS-and-Master-of-Environmental-Science---MESC/>

Master of Business Administration and Master of Environmental Management (Joint-Degree Program)

Yale University recognized the connection between business and the environment early. When Yale established the joint degree in 1982, it was the first U.S. university to create a master's degree curriculum linking the two disciplines. Twenty-five years later, organizations worldwide increasingly seek the expertise of people trained in both institutional and environmental management. Corporate leaders understand that long-term success will depend upon integrating environmental costs and benefits into long-term planning. Environmental organizations realize that survival depends on good management. And environmentalists recognize that to engage in partnerships with businesses, they must understand how businesses work.

<http://environment.yale.edu/about/MBA-Joint-Degree/>

Master of Architecture and Master of Environmental Management (Joint-Degree Program)

This is a Dual Masters Degree program where students learn about how to design sustainable buildings that do not harm the environment and make the most out of their supplied resources. This program is directed towards individuals who are interested in sustainable design and development at the urban to regional scale with a concern for the impact of the project on the ecosystem.

http://www.architecture.yale.edu/drupal/programs/march_mem

Master of Environmental Management

This is a graduate degree program designed for students who want to pursue a career in environmental policy and analysis, stewardship, education, consulting, or management. Students take courses in natural and social sciences to prepare them for a scientific understanding of ecological and social systems relating to policy or management context.

<http://environment.yale.edu/about/Master-of-Environmental-Management-MEM/>

Masters of Environmental Science

Master of Environmental Science degree is intended for students wishing to work in non-forest related environmental issues. This Science degree is intended to provide students a deeper disciplinary focus than then a Management degree, while holding to the core value of the school that students should be allowed flexibility in course selection in order to meet their educational goals. The course of study includes formalized training in the philosophy and practice of science. Training is provided through key courses in combination with extended research.

<http://environment.yale.edu/about/Master-of-Forest-Science-MFS-and-Master-of-Environmental-Science---MESCI/>

Master of Environmental Science and Law (JD) (Joint-Degree Program)

This joint degree program provides graduates with a Master of Environmental Management and a Law Degree to help further efforts to protect the environment. The environmental aspect is structured to develop a broad multidisciplinary foundation for problem solving. Students will be required to complete courses in the natural and social sciences and in quantitative methods. They will also choose advanced coursework from among nine study areas, which include: ecology, ecosystems and biodiversity; environment, health and policy; forestry, forest science and management; global change science and policy; industrial environmental management; policy, economics and law; the social ecology of conservation and development; urban ecology and environmental design; and water science, policy and management.

<http://environment.yale.edu/about/JD-Joint-Degree/>

Master of Forestry

This is a graduate program designed for students who want to be at the forefront of forest resource management and policy. It is aimed at training professionals for administration and management of forest lands, and for mediating among conflicting social and economic forces affecting forests.

<http://environment.yale.edu/about/Master-of-Forestry-MF/>

Master of Forest Science

This Master's Degree program is designed for students who want to conduct scientific research that works towards basic and applied knowledge. This provide students a deeper disciplinary focus than the Management degrees, while holding to the core value of the school that students should be allowed flexibility in course selection in order to meet their educational goals.

<http://environment.yale.edu/about/Master-of-Forest-Science-MFS-and-Master-of-Environmental-Science---MESC>

Master of International and Development Economics and Master of Environmental Management/ Environmental Science/ Forestry/ Forest Science (Joint-Degree Program)

The two-and-a-half-year program leads to both the Master of Arts degree in Economics from Yale's Graduate School of Arts and Sciences and one of four degrees from the School of Forestry & Environmental Studies (Master of Environmental Management, Environmental Science, Forestry, or Forest Science). Students take courses in forestry, ecology, economics, conservation, policy and management, biodiversity, and many other subject areas.

<http://environment.yale.edu/about/Economics-Joint-Degree/>

Connecticut Technical High School <http://www.cttech.org/>

ENVIRONMENTAL SCIENCE

Environmental Science will train students in standard laboratory operating procedures and sampling/analysis techniques in the related areas of chemistry, biology and environmental science. The application of scientific concepts to trade experiences reinforces the curriculum. Training will also take place in the use of scientific instrumentation, collecting and handling samples in the field, and safety with regard to state and federal Occupational, Health and Safety Administration (OSHA) regulations as they apply to the workplace.

<http://www.cttech.org/central/academics/science/index.htm>

International Brotherhood of Electrical Worker (IBEW) <http://www.ibewlocal35.org/node>

Wire solar panels, wind turbines and biofuel plants apprenticeship

The IBEW has developed one of the most advanced green training curriculums in the electrical industry from retrofitting buildings to installing wind turbines.

<http://www.ibewlocal35.org/node/325>

http://www.ibew.org/articles/09daily/0904/090416_TrainingCenter.htm

Everblue Training Institute <http://www.everblueenergy.com/leed-exam-prep-hartford.html>

LEED Projects 101: Implementation & Documentation

This how-to course teaches you all phases of LEED project work from initial registration to final LEED certification. Learn the true costs and benefits of LEED, learn effective strategies, learn how to secure financial incentives, and learn how to prevent possible set-backs.

<http://www.everblueenergy.com/leed-project-101-course.html>

LEED for Homes Rating System Review

This one day course will provide you with a clear understanding of the possible LEED credits, financial incentives, and opportunities to green your home.

<http://www.everblueenergy.com/leed-homes-review-course.html>

Introducing LEED, the USGBC, and the GBCI

This course is designed to demystify the U.S. Green Building Council (USGBC), the Green Building Certification Institute (GBCI), **The Leadership in Energy and Environmental Design (LEED)** Certification, LEED Accredited Professional, and more. No industry experience is required for this course. Simply come to learn about the fastest growing, most widely adopted green building standard - LEED.

<http://www.everblueenergy.com/leed-introduction-course.html>