

Green University Programs by Program Title

Carleton University	Program Title	Pre-requisites	Program Name	Green Jobs
	<p>Environmental Science</p> <p>Sustainable and Renewable Energy Engineering 3-4 year B.Sc program</p> <p>4 year B.Eng. program</p>	<p>Environmental Science OSSD or equivalent, including a minimum of six 4 U/M courses. Your six 4 U/M courses must include Advanced Functions or Calculus and Vectors* (*strongly recommended) and two of Biology, Chemistry, Earth and Space Science, or Physics. (Biology and Chemistry are recommended.)</p> <p>Sustainable and Renewable Energy Engineering (OSSD) or equivalent, including a minimum of six 4 U/M courses. Your six courses must include four prerequisite courses:</p> <ul style="list-style-type: none"> • Advanced Functions • Chemistry • Physics • one of: Calculus and Vectors, Biology, Earth and Space Science 	<p>Environmental scientists are key participants in the risk assessments associated with environmental concerns—ones that typically include a combination of biology, chemistry, geology (earth sciences), and geography.</p> <p>Sustainable and Renewable energy provides analytical, technical and market skills for designing, building, operating, and enhancing sustainable energy systems that combine energy generation, its distribution and end use, in an environmentally responsible and economically beneficial manner.</p>	<ul style="list-style-type: none"> • Energy Manager • Environmental Consultant • Environmental Consultant • Environmental Impact Assessor • Environmental Officer • Renewable Energy Technician

Green University Programs by Program Title

	Program Title	Pre-requisites	Program Name	Green Jobs
McMaster University	<p>Environmental and Earth Sciences</p> <p>Mechanical Engineering Electrical Engineering Engineering Physics Materials Engineering Mechatronics Engineering</p> <p>4 year degree program (B.Sc or B.Eng)</p>	<p>Environmental and Earth Sciences Completion of High School Diploma plus; Grade 12 U/M requirements - 6 courses in total, including:</p> <ul style="list-style-type: none"> • English (ENG4U) • One of: Advanced Functions(MHF4U), Calculus & Vectors (MCV4U) (Calculus & Vectors is strongly recommended) • 2 of the 4 remaining credits must be at the U level <p>Faculty of Engineering Completion of High School Diploma plus; Grade 12 U/M requirements - 6 courses in total, including:</p> <ul style="list-style-type: none"> • English (ENG4U) • Calculus & Vectors (MCV4U) • Chemistry (SCH4U) • Physics (SPH4U) 	<p>Human life and society depend critically on environmental resources we all too often take for granted: air, water, soil, and the mineral and organic resources of the earth. With the recent attention given to global warming and climate change, there has been a dramatic increase in scientific research and employment opportunities in this area.</p> <p>McMaster's Faculty of Engineering is committed to identifying new trends in the global engineering profession, and to introducing unique programs to cater to these trends,</p>	<ul style="list-style-type: none"> • Design Engineer • Energy Auditor • Energy Utility Industry Officer • Environmental Policy Maker • Field Engineer • Manufacturing Engineer • Renewable Energy Technician
Nipissing University	<p>B.A Environmental Geography 4 year degree program</p> <p>Nipissing University 100 College Drive, Box 5002 North Bay ON Canada P1B 8L7</p> <p>General Information: Phone (705) 474-3450 Fax: (705) 474-1947 tty: (705) 474-3897 nuinfo@nipissingu.ca</p>	<p>OSSD with a combination of a minimum of six 4U and/or 4M courses.</p> <p>An overall average of 70% on a combination of six 4U and/or 4M courses, including required 4U courses is the minimum required for full-time admission consideration.</p>	<p>Environmental Geography courses examine the ecological principles underlying environmental problems such as climate change, pollution and wetland degradation.</p>	<ul style="list-style-type: none"> • City Planner • Environmental Consultant • Environmental Officer • Environmental Impact Assessor

Green University Programs by Program Title

	Program Title	Pre-requisites	Program Name	Green Jobs
Queens University	<p>Bachelor of Science in Environmental Science and Bachelor of Arts in Environmental Studies 4 year degree programs</p> <p>Admission and General Information Email: admission@queensu.ca Phone: (613) 533-2218 Fax: (613) 533-6810</p>	<p>The Ontario Secondary School Diploma (OSSD) and six 4U and M courses. Students in francophone schools may offer the equivalent of English 4U.</p> <p>* Science - English 4U, Advanced Functions 4U, Calculus and Vectors 4U and Biology 4U, Chemistry 4U or Physics 4U</p> <p>* Engineering - English 4U, Calculus and Vectors 4U, Chemistry 4U, Physics 4U, plus one of Advanced Functions 4U, Biology 4U, Data Management 4U, Computer Science 4U, Earth and Space Science 4U. Final grade in English 4U must be a minimum of 70%.</p>	<p>The Earth's environment is under stress, and the search for solutions is anything but simple: It requires an interdisciplinary approach to problem-solving and education. Our program emphasizes the diverse contributions of technology, the natural sciences, humanities, and social sciences to understanding and solving environmental problems.</p>	<ul style="list-style-type: none"> • Environmental Conservationist • Environmental Policy Advocate • Environmental Policy Analyst • Natural Resources Management • Wastewater Management
Trent University	<p>Indigenous Environmental Studies Bachelor of Arts (Environmental Studies) Bachelor of Science (Environmental Science) 2 year diploma</p> <p>The Indigenous Environmental Studies Program 1-705-748-1011 ext 7426 ies@trentu.ca</p>	<p>The two year diploma in IES is open to students of Aboriginal ancestry who have the equivalent of Ontario Grade 12, or qualify as mature students. Applications are reviewed by the Registrar's office and the Indigenous Studies Department.</p>	<p>The Indigenous Environmental Studies Program (IES) is an innovative new program at Trent University. IES is collaboration between the Department of Indigenous Studies (INDG) and the Environmental and Resource Science/Studies Program (ERS), and is designed to give students the necessary skills and knowledge to work in the growing field of Indigenous environmental issues. The Program uses Indigenous knowledge systems, science and information from the social and environmental sciences to explore local, regional, national and international environmental issues impacting Indigenous People.</p>	<ul style="list-style-type: none"> • Environmental Lawyer • Environmental NGO Program Manager • Environmental Protection Specialist • Park Naturalist • Policy Analyst • Water Quality Inspector

Green University Programs by Program Title

	Program Title	Pre-requisites	Program Name	Green Jobs
University of Guelph	<p>Environmental Economics & Policy Environmental Governance Environmental Management 4 year degree program</p> <p>Environmental Governance Program Coordinator Dr. Ben Bradshaw Hutt 519-824-4120 ext. 58460</p> <p>Jonathan Newman Professor & Director, School of Environmental Sciences 519 824 4120 ext. 52147 email: jnewman@uoguelph.ca</p>	<p>Ontario Secondary School Diploma (OSSD), or equivalent, and a minimum of 6 Grade 12 U/M courses including:</p> <ul style="list-style-type: none"> * ENG4U * MHF4U * 2 credits from: SBI4U, SCH4U, SPH4U * 2 additional 4U or 4M credits 	<p>Gain the interdisciplinary expertise needed to deal with the environmental problems facing our world now and those we will face in the future. Balance scientifically grounded solutions with an understanding of the social and economic consequences of environmental change.</p>	<ul style="list-style-type: none"> • Environmental Consultant • Environmental Economist • Environmental NGO Program Manager

Green University Programs by Program Title

University of Guelph	Program Title	Pre-requisites	Program Name	Green Jobs
	<p>Environmental Economics & Policy Environmental Governance Environmental Management 4 year degree program Environmental Governance Program Coordinator Dr. Ben Bradshaw Hutt 519-824-4120 ext. 58460</p> <p>Jonathan Newman Professor & Director, School of Environmental Sciences 519 824 4120 ext. 52147 email: jnewman@uoguelph.ca</p>	<p>Ontario Secondary School Diploma (OSSD), or equivalent, and a minimum of 6 Grade 12 U/M courses including:</p> <ul style="list-style-type: none"> * ENG4U * MHF4U * 2 credits from: SBI4U, SCH4U, SPH4U * 2 additional 4U or 4M credits 	<p>Gain the interdisciplinary expertise needed to deal with the environmental problems facing our world now and those we will face in the future. Balance scientifically grounded solutions with an understanding of the social and economic consequences of environmental change.</p>	<ul style="list-style-type: none"> • Environmental Officer • Environmental Policy Analyst

Green University Programs by Program Title

	Program Title	Pre-requisites	Program Name	Green Jobs
University of Ontario Institute of Technology	<p>Energy Systems Engineering 4 year degree program</p> <p>Joanna Campbell Academic Advisor Faculty of Engineering and Applied Science (905)721-8668 Ext:2971 E-mail: joanna.campbell@uoit.ca</p>	<p>OSSD with a minimum overall average of 70 per cent in six 4U or 4M credits, including:</p> <ul style="list-style-type: none"> * English (ENG4U); * Physics (SPH4U); * Chemistry (SCH4U); * Advanced Functions (MHF4U); and * Calculus and vectors mathematics (MCV4U). 	<p>Graduates will be well prepared to work with systems that involve the generation, transmission or utilization of energy. Career opportunities are increasing for graduates in industry, government and non- government organizations. Graduates may also choose to start their own energy enterprise or pursue graduates studies. This program was developed to meet the requirements of the Canadian Engineering Accreditation Board. Graduates will be eligible to apply for licensure as a professional engineer in any Canadian province or territory.</p>	<ul style="list-style-type: none"> • Energy Manager • Environmental Consultant • Renewable Energy Technician
University of Ottawa	<p>Environmental Law</p> <p>comlaw@uOttawa.ca Tel.: (613) 562-5800 ext.3270 Fax: (613) 562-5124</p>	<ul style="list-style-type: none"> * At least three years of university studies is preferred. Students are strongly encouraged to complete their undergraduate program of study prior to beginning law school. * Successful completion of the Law School Admission Test (LSAT). Students applying to the French program of the Common Law Section of the Faculty of Law do not write the LSAT. 	<p>Environmental issues have always been of concern from the perspective of public interest law and in recent years arise increasingly in relation to other areas of practice including corporate and administrative law, municipal and planning law, and real estate transactions. It is impossible, as Canada and other nations address climate change, global warming and the Kyoto Protocol to read or listen to daily news without encountering significant environmental law issues. Whether you hope to devote a career</p> <p>To some of these matters, expect to encounter them from time to time, or simply wish to pursue a personal interest, environmental law courses are essential.</p>	<ul style="list-style-type: none"> • Environmental Lawyer • Policy Advocate • Policy Analyst

Green University Programs by Program Title

	Program Title	Pre-requisites	Program Name	Green Jobs
University of Toronto	<p>Environmental Engineering - Faculty of Applied Science and Engineering 4-year Bask Undergraduate Program</p> <p>Engineering Undergraduate Admissions Office engineering@ecf.utoronto.ca 416-978-0120</p>	<p>* Completion of Ontario Secondary School Diploma or equivalent, and: Six required courses: * English (ENG4U) * Calculus and Vectors (MCV4U) * Chemistry (SCH4U) * Physics (SPH4U) One of: * Advanced Functions (MHF4U)* * Mathematics of Data Manager (MDM4U) * Biology (SBI4U) * Earth and Space Science (SES4U) * Geometry and Discrete Mathematics (MGA4U) * 1 additional U or M course</p>	<p>Environmental engineers play a pivotal role in improving polluted environments, designing facilities that directly affect our modern economy, public health and safety, and designing environmentally responsible products and processes. Their knowledge of physics, chemistry, and biological processes allows them to address problems such as protecting air, water and land quality; providing safe drinking water; treating and disposing of industrial wastes; preventing environmental problems by designing "cleaner" manufacturing processes; and developing alternative energy sources. Engineers with a firm knowledge of environmental processes and solutions are widely sought after by employers in both industry and government.</p>	<ul style="list-style-type: none"> • Environmental Engineer • Environmental Policy Analyst
University of Waterloo	<p>Environment and Business 3 and 4 year degree programs</p>	<p>OSSD Required courses: Grade 12 U English (at least 70% normally required) Recommended courses: One Grade 12 U Mathematics, one Grade 12 U Science, Principles of Financial Accounting, Analyzing Current Economic Issues Admission average: Low 80s</p>	<p>Addresses the huge need for sustainability professionals by producing knowledgeable and experienced graduates—people who know the tools of business and sustainability and who have experience gained through paid co-op work terms.</p> <p>Graduates leave with all the foundations of a business degree - economics, finance, accounting, management and marketing. They also are provided with an environmental education including field ecology, human geography and environmental research techniques. Most significantly, integrated courses show how businesses can be both sustainable and profitable.</p>	<ul style="list-style-type: none"> • Green Business Development Manager • Green Entrepreneur • Sustainability Manager

Green University Programs by Program Title

	Program Title	Pre-requisites	Program Name	Green Jobs
University of Western Ontario - Center for Environment and sustainability	<p>Environmental Science (Baccalaureate of Science, Faculty of Science)</p> <p>Environmental Engineering (Baccalaureate of Engineering, Faculty of Engineering)</p> <p>Environmental Studies (Major and Minor programs, Faculty of Social Science) 3 and 4 year degree programs</p> <p>Dr. Christie Stewart Email: cstewa26@uwo.ca Phone: 519.661.2111 ext. 89034</p>	<p>Ontario Secondary School Diploma and:</p> <ul style="list-style-type: none"> * Completion of six Grade 12 U and/or M level courses. * Completion of ENG4U. * Completion of required prerequisites as specified by Western. * Satisfactory completion of the Literacy Test. * An admission average including all prerequisite courses as specified by Western. 	<p>The science underlying environmental issues including climate change, waste management, endangered species and spaces, air and water quality, and ecosystem health, is presented and discussed from a variety of perspectives.</p>	<ul style="list-style-type: none"> • Environmental Consultant • Environmental Policy Analyst • Sustainability Manager

Green University Programs by Program Title

Wilfred Laurier University	Program Title	Pre-requisites	Program Name	Green Jobs
	<p>Environmental Science (BSc) Environmental Studies (BES) 3 and 4 year degree programs 1 year graduate courses Marilyn Watson email: Office of the Registrar phone: 519-884-0710 ext: 6095</p>	<p>A minimum of 6 Grade 12U and/or Grade 12M (U/C) courses are required for admission. Laurier will use the top 6 grades from these courses when calculating the admission average, unless otherwise noted. The following course requirements are listed according to the New Ontario Curriculum.</p> <p>PLEASE NOTE: Grade 12U English must be at a minimum of 60% for all programs at Laurier unless otherwise specified. Applicants must also meet program-specific requirements; all required courses, listed below, must be at a minimum of 60% unless otherwise specified</p>	<p>The Department of Geography and Environmental Studies offers eight different degrees in Physical and Human Geography, as well as a degree in Environmental Studies. Regardless of the individual degree pursued, all of our degree programs prepare students to establish themselves in a variety of stimulating careers ranging from environmental consulting to teaching, from planning to intelligence work, and from public administration to development work overseas.</p>	<ul style="list-style-type: none"> • Environmental Lawyer • Environmental NGO Program Manager • Environmental Protection Specialist • Park Naturalist • Policy Analyst • Water Quality Inspector

Green University Programs by Program Title

	Program Title	Pre-requisites	Program Name	Green Jobs
York University	<p>Environmental Studies (BES) with Specialization in:</p> <ul style="list-style-type: none"> • Environmental Politics: Development, Globalization and Justice • Urban & Regional Environments: Analysis, Planning and Design • Environment & Culture: Philosophy, Arts, Technology and Education <p>3 and 4 year degree programs</p> <p>York University Office of Admissions Bennett Centre for Student Services 99 Ian MacDonald Blvd Toronto, ON CANADA M3J 1P3 Tel: 416-736-5000 Fax: 416-736-5536</p>	<p>OSSD and a minimum of six Grade 12 4U or 4M courses, including ENG4U (Francophone applicants can present FRA4U, FEF4U or FIF4U instead of ENG4U)</p>	<p>So what exactly is Environmental Studies? At York, we look at the environment as being everything, and we mean everything, that surrounds us. We define environment broadly to include interdisciplinary understandings of political, social, cultural, natural and organizational issues. Our approach of studying both local and global environments means that we look at the world that surrounds us for ways to incorporate sustainable change in everyday living.</p>	<ul style="list-style-type: none"> • Environmental Consultant • Environmental Impact Assessor • Environmental Officer • Environmental Policy Analyst • Sustainability Manager