

Ontario College Diploma

2 years

Starts September

PROGRAM OUTLINE

Semester 1

ELET 100	Electrical Theory 1 Electrical Fundamentals
WTEC 102	Electronics I
WTEC 103	Electrical Circuits
WTEC 104	Instrumentation I
ELET 106	Canadian Electrical Code
MATH 2	Mathematics for Technicians
GENE 106	Wind Power in Canada – Solution or Problem?

Semester 2

WTEC 201	Electrical Theory 2 DC and AC Fundamentals
WTEC 202	Electronics II
WTEC 203	Installation Methods
WTEC 204	Instrumentation II
ELET 202	Electrical Prints II
ELET 203	Monitoring and Communication Systems
ELET 206	Canadian Electrical Code II
GENE	General Education Elective
WTEC 406	Safety Training (PPE and High Tower Rappelling)

Semester 3

WTEC 300	Electrical Distribution
WTEC 301	Instrumentation III
WTEC 302	Electronics III
INDE 301	Canadian Electrical Code III
INDE 304	Installation Methods: Transformers
WTEC 305	Mechanical Blueprints
GENE	General Education Elective

Semester 4

WTEC 400	Mechanical Systems 3 (Wind Turbines)
WTEC 401	Electrical Theory 3 (Wind Turbines)
WTEC 402	Rotor Blade Repairs
WTEC 403	Installation Inspection and Non-Destructive Testing
WTEC 404	Wind Turbine Assembly/Disassembly
WTEC 405	Hydraulics
WRIT 19	Technical Writing
WTEC 406	Work Planning & Computer Applications

FOR MORE INFORMATION

CONTACT RECRUITING

Call: 1-800-463-0752

Email: dreamit@sl.on.ca

Visit: www.stlawrencecollege.ca

Program Coordinator:

Romy Baur, 613-544-5400, ext. 1463

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PROGRAM HIGHLIGHTS

The Wind Turbine Technician program will provide students with a sound knowledge of the electrical and mechanical field as they relate to wind turbines. You will also learn about fiberglass blade repairs, electronics, instrumentation, and computer applications as they relate to wind turbines. You will receive complete safety training for working at heights and in confined spaces. In order to complete this program, you must have no fear of heights and you must be physically fit.

Note: This program will follow the same course curriculum as the wind turbine technician/industrial electrician diploma apprenticeship program; however it is not an electrician apprenticeship training program. Students who are interested in the electrical field and who successfully complete the program may be exempt from the in-school portion of the Industrial electrician apprenticeship certification.

CAREER HIGHLIGHTS

The Wind Power Industry is one of the fastest growing industries in Canada. The demand for trained and certified Wind Turbine Technicians is also growing rapidly.

As a Wind Turbine Technician you will be at the forefront of a new and growing industry. You will be working with modern technology in a demanding environment. It will be your responsibility to install and carry out scheduled preventative maintenance on large size wind turbines as a member of a maintenance team. This will include performing inspections, taking measurements and providing documentation. You will be called upon to diagnose and repair any fault and as such contribute to the on-going safe operation of the Wind Turbine.

You will be engaged in a career in green energy, contributing in a significant way to improving our environment and providing needed clean electrical power to Canadians

FEES

2009-10 tuition fees are \$2219.00. Compulsory fees are \$982.15. All fees are subject to change for 2010-11.

ADMISSION REQUIREMENTS

Ontario Secondary School Diploma or equivalent with the following prerequisite:

- Grade 12 Math at the C or U level (or MCR3U or MCF3M)

UNIQUE LEARNING OPPORTUNITIES

As part of our program, we will provide our students the opportunity to be certified by BZEE, the German wind industry training institute. This internationally recognized certification will ensure wide access to wind turbine technician jobs. We will also be working toward inclusion of training for working on off-shore wind turbines. We will have a classroom on-site at the nearby Wolfe Island Wind farm, one of the largest wind farms in Ontario.