

PLUGGED INTO ELECTRICAL/ ELECTRONICS?



Fanshawe
College
WE DO THAT!™





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 $B = 10,0875 \text{ cm}$
 $C = 10,3100 \text{ cm}$
 $\alpha = 3,9920$
 $\beta = 7,1072$

Fanshawe College

A COLLEGE EDUCATION WILL SET YOU UP FOR LIFE

It will mean higher income, more opportunities and the kind of future you choose. At Fanshawe College, we emphasize success, excellence and access. We offer over 110 programs and lots of support to help students succeed.

If your plans include college,
consider Fanshawe -
where your success
is our top priority.

ELECTRIFYING CAREERS IN ELECTRICAL/ELECTRONICS

ELECTRICAL ENGINEERING TECHNICIAN – a two-year Ontario College Diploma program. You will develop your math skills, an understanding of Programmable Logic Controllers (PLCs) and electronic instruments. You will apply theoretical knowledge to wiring systems and building complex logic circuits in our labs. This program leads to careers in the manufacturing of electrical equipment, working on equipment for general manufacturing operations and in the power generation and distribution industries.

ELECTRICAL ENGINEERING TECHNOLOGY – a three-year Ontario College Advanced Diploma co-op program that includes two co-op placements, 8 months and 12 months. Graduates design electrical systems, control applications (PLC) and energy management systems. They also find work in product evaluation and testing, technical sales, maintenance or supervision.

ELECTRICAL TECHNIQUES – a one-year Ontario College Certificate program where math requirements are not onerous and there is lots of hands-on learning. Graduates work as alarm technicians, continue to study to become a Telecommunication Cabling Specialist or apply for an apprenticeship as an industrial or construction/maintenance electrician.



ELECTRONIC ENGINEERING TECHNICIAN - INDUSTRIAL CONTROLS – a 52-week Ontario College Diploma (offered in St. Thomas) with classes from September to August. This is a pre-apprenticeship program that focuses on electricity and electronics as it relates to industrial controls and factory automation. The emphasis is on practical, hands-on training as you design and troubleshoot electronic circuits and control equipment and actually design and build control systems. This program will give you the skills to maintain, program and troubleshoot Programmable Logic Controllers (PLCs), industrial sensors and motor control circuits.

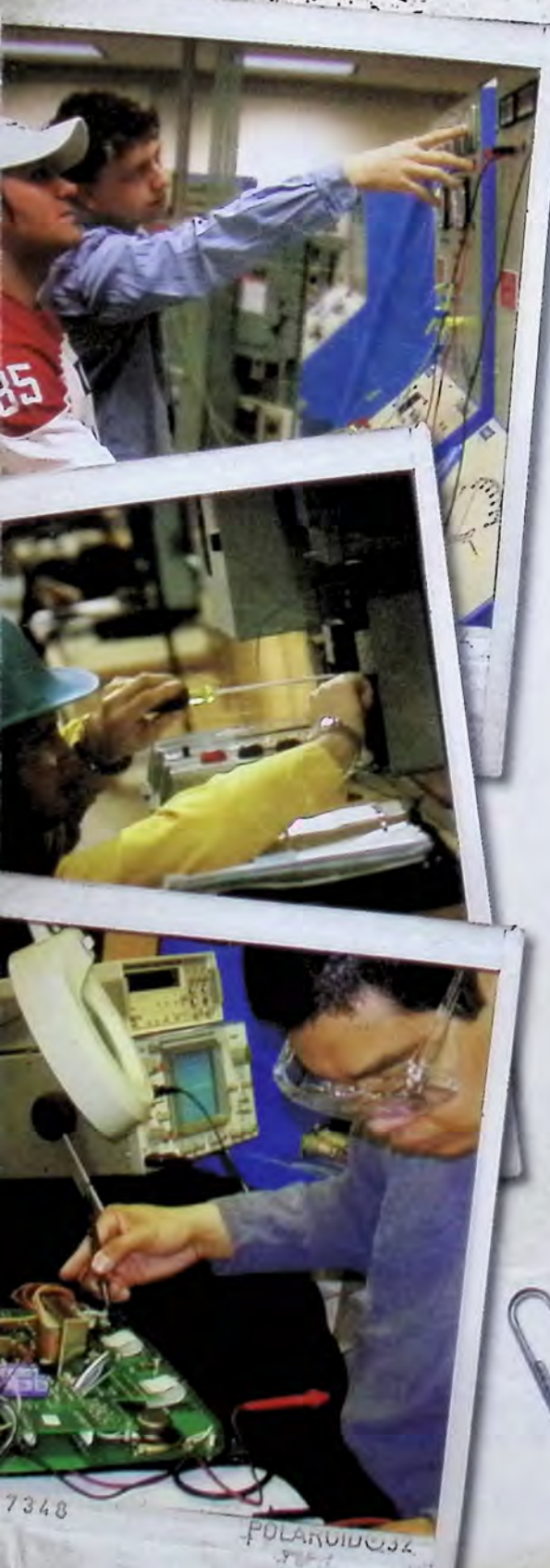
ELECTRONICS ENGINEERING TECHNICIAN - ROBOTICS AND AUTOMATION – a two-year Ontario College Diploma program that combines programming, work on process control and micro-robots and covers the intricacies of electrical machines and instrumentation. Graduates work with manufacturers and distributors of industrial controls and in industries that use state-of-the-art equipment.

ELECTRONICS ENGINEERING TECHNOLOGY – a three-year Ontario College Advanced Diploma co-op program that requires an aptitude for math and physics and the creativity to solve complex electronic problems. The program includes electrical and electronics fundamentals and deals in-depth with communications and computers. You will learn about modern semiconductor devices, digital techniques and microwave and telecommunications systems. By the time you graduate, you will have completed four programming courses and be conversant in three programming languages and be designing circuits and systems. Graduates find work, often design-oriented, in electronics, manufacturing, communications and telecommunications and in research and development. Graduates may also transfer at least 60 credits to the Bachelor of Science post-diploma program at Athabasca University.

PRE-TECHNOLOGY – a one-year Ontario College Certificate program for people interested in trades or technology but not certain about which career path to follow. Completing the program with a B average and meeting all program requirements guarantees admission to Fanshawe programs in Building Technology, Electrical/Electronics, Manufacturing or Transportation.

ADMISSION REQUIREMENTS

The minimum requirements for admission to all post-secondary programs is an Ontario Secondary School Diploma with courses from the College (C), University (U), University/College (U/C) or Open (O) stream or equivalent or mature student with the stated academic requirements. Graduate programs require a College Diploma or University Degree or equivalent. For more information, please visit www.fanshawec.ca or refer to the Fanshawe College Program Guide.



| Program | Academic Requirements |
|--|-----------------------|
| ONE-YEAR PROGRAMS (CERTIFICATE) | |
| Electrical Techniques | NIL |
| Pre-Technology | NIL |

| | |
|--|---------------------------------------|
| TWO-YEAR PROGRAMS (DIPLOMA) | |
| Electrical Engineering Technician | • Any Grade 12 Mathematics (C) OR (U) |
| Electrical Engineering Technician - Robotics and Automation | • Any Grade 12 Mathematics (C) OR (U) |
| Electronics Engineering Technician - Industrial Controls (52-week program) | • Any Grade 12 Mathematics (C) OR (U) |

| | |
|---|--|
| THREE-YEAR PROGRAMS (ADVANCED DIPLOMA) | |
| Electrical Engineering Technology | <ul style="list-style-type: none"> • Grade 12 Mathematics for College Technology (C) OR Grade 12 College and Apprenticeship Mathematics (C) with a minimum final grade of 65 • Grade 11/12 Physics (C) or (U) <p>Note: In lieu of Grade 12 Mathematics (C) courses, either of the following is acceptable: Grade 12 Geometry and Discrete Mathematics (U) or Grade 12 Advanced Functions and Introductory Calculus (U). (Grade 12 Mathematics of Data Management (U) is not acceptable.)</p> |
| Electronics Engineering Technology | <ul style="list-style-type: none"> • Grade 12 Mathematics for College Technology (C) OR Grade 12 College and Apprenticeship Mathematics (C) with a minimum final grade of 65 • Grade 11/12 Physics (C) or (U) <p>Note: In lieu of Grade 12 Mathematics (C) courses, either of the following is acceptable: Grade 12 Geometry and Discrete Mathematics (U) or Grade 12 Advanced Functions and Introductory Calculus (U). (Grade 12 Mathematics of Data Management (U) is not acceptable.)</p> |

GROUND YOUR CAREER AT FANSHAWE



PLUG IN, LOG ON

If electrical controls and hydroelectric power interest you, consider our electrical programs. If communications and data are your focus and you want to explore how computers drive the world, consider our electronics programs.

ONE, TWO, THREE YEARS . . . YOUR CHOICE

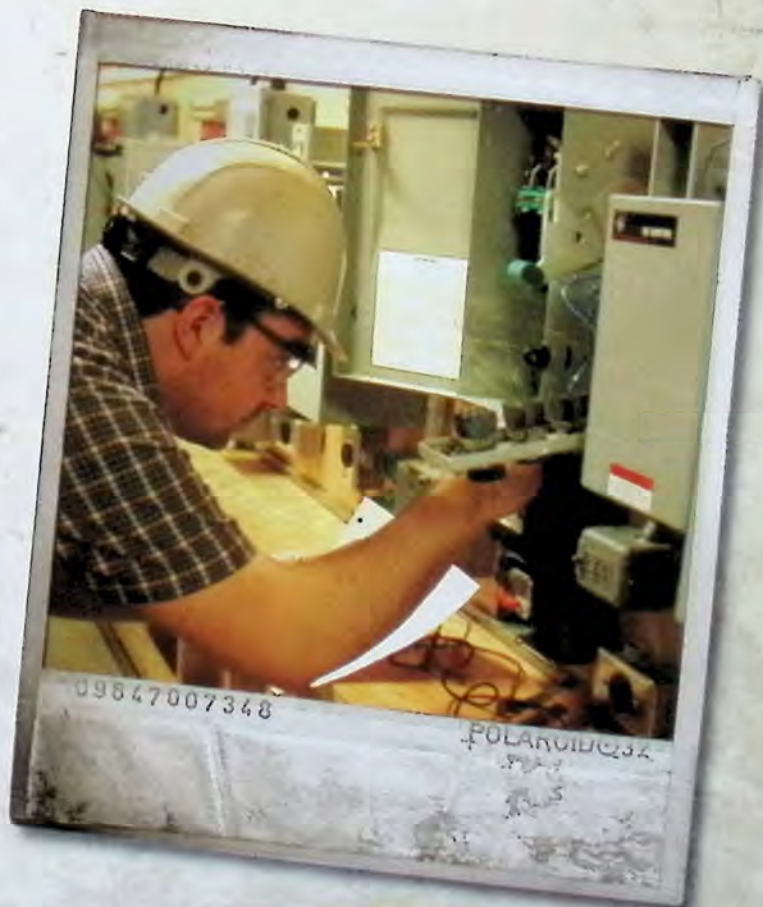
Fanshawe College offers everything from a one-year, entry level program in Electrical Techniques to three-year technology programs in electronics or electrical engineering. Some programs offer general studies in the first year with specialization in years two and three. Graduates of our three-year Electronics Engineering Technology program have the option of transferring at least 60 credits to the Bachelor of Science Post-Diploma program at Athabasca University.

GET READY TO WORK

Many of Fanshawe's electrical/electronics programs have a co-op component, but all of them include time in our state-of-the-art labs where students work with professionals to build, test and troubleshoot to solve real-world problems so that when you graduate, you're ready to work.

APPRENTICESHIP TRAINING

Fanshawe offers the in-school component for electrical/electronics skilled trades programs: Electrician-Construction Maintenance and Industrial Electrician. While on the job working for an employer willing to train you, you will be supervised by a qualified tradesperson. In the classroom, you will study theory and learn to apply your skills to practical assignments.





FANSHAWE COLLEGE

Community Driven... Student Focused

LONDON CAMPUS

1460 Oxford Street East, P.O. Box 7005, London, ON, Canada N5Y 5R6
519 452-4277

WOODSTOCK CAMPUS

369 Finkle Street, Woodstock, ON, Canada N4V 1A3
519 421-0144

ST. THOMAS/ELGIN CAMPUS

120 Bill Martyn Parkway, St. Thomas, ON, Canada N5R 6A7
519 633-2030

JAMES N. ALLAN CAMPUS

634 Ireland Road, P.O. Box 10, Simcoe, ON, Canada N3Y 4K8
519 426-8260

TILLSONBURG CENTRE

90 Tillson Avenue, Tillsonburg, ON, Canada N4G 3A1
519 842-9000

WWW.FANSHAWEC.CA

Printed in Canada 10/06

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Please contact Student Success Services at 519 452-4282.