

MGMT566 - Quality Assurance

This course is an introduction to Quality Management principles and the different Quality Assurance programs that currently exist. The course covers the theory of Quality Management, the cornerstones on which a Quality system is built and an analysis of such quality programs as TQM, ISO9000 and QS9000.

MGMT614 - Strategic Business Management

This course is based on the philosophy that today's managers must possess the skills that provide the analytical skills through the use of critical analysis and critical thinking in situations requiring the understanding of the problem, analysis of the problem, developing a recommended course of action and implementation requirements.

MNMT194 - Organizational Behaviour

A course which focuses on describing, understanding and explaining behaviour in organizations in order that this behaviour may be controlled, managed or influenced effectively.

MTHM145 - Management Science Mathematics

In this course common mathematical techniques used in management science are applied with the aid of computer software. Topics include: Linear programming, transportation and assignment methods, decision theory analysis, project management (CPM/PERT), multiple linear regression and time series analysis.

Application Procedure

In order to apply for admission to this program an applicant must complete an "Application for Admission to Ontario Colleges of Applied Arts and Technology" form and submit this form to the:

Ontario College Application Services
P.O. Box 810, Guelph, Ontario, N1H 6M4
1-888-892-2228

Application Forms and Applicant Guidebooks are available at Ontario Secondary Schools, at Ontario Colleges of Applied Arts and Technology and at the Ontario College Application Services office.

Admission to the College

Complete information concerning admission to programs at Fanshawe College may be found in the Central Admission Publication located in the Office of the Registrar, Fanshawe College.

The College reserves the right to make changes in the information in this brochure without prior notice.

The College reserves the right to cancel at any time a program, course, program major or option, change the location and/or term in which a program or course is offered, or withdraw an offer of admission both prior to and after its acceptance by an applicant or student because of insufficient applications or registrations, over-acceptance of offers of admission, budgetary constraints, or for other such reasons. In the event the College exercises such right, the College's sole liability will be the return of any monies paid by the applicant or student to the College.

This brochure is available in alternative formats, upon request, for persons with disabilities.

For further information on admission and registration, contact:
Office of the Registrar, (519) 452-4277

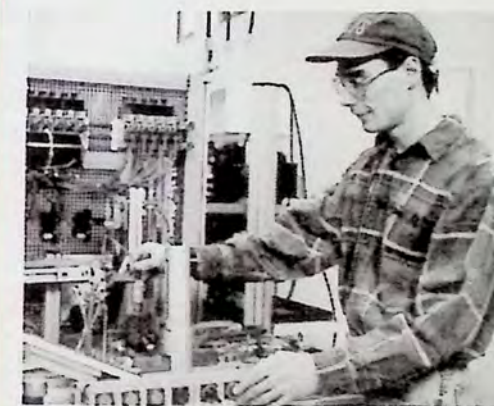
For further specific program information, contact:
Electrical/Electronics Technology Division: (519) 452-4411

Fanshawe College
1460 Oxford St. E. P.O. Box 7005
London, ON, N5Y 5R6 www.fanshawec.on.ca

Fanshawe COLLEGE

Electrical Engineering Technology

A Post-Graduate Program



*Community Driven...
Student Focused*

Electrical Engineering Technology

One Level Following the Control Engineering Technology (Systems) Program

A Post-Graduate Diploma Program

Program Code: ELY1

Electrical/Electronics Technology Division: (519) 452-4411

Average Salary: N/A

This one term program is designed for graduates of the Control Engineering Technology (Systems) program. It includes Electrical Technology items not covered in the Controls Technology program. Topics covered are: distribution, computer-aided drafting, energy management, and industrial psychology. Also, included is a course in professional practice meeting the requirements of OACETT for certification. The program is offered the term immediately following Technology.

Career Opportunities

Graduates will mainly work on design, but may also be involved in technical sales, maintenance and supervision. Job opportunities exist with electrical power utilities, electrical machinery manufacturers, institutional and commercial users of electrical power, the construction industry, government agencies, etc. Graduates who have completed the Control Technology (Systems) Program will be extremely versatile and eligible for work on control systems.

ELY16	Level 6	Hrs/Wk
DIST910	Power Systems	8.0
DRFT910	Electrical Drafting	6.0
ELEC910	Electrical Machines	2.0
ELEC911	Professional Practice	2.0
ENER400	Energy Management	2.0
PSYH700	Industrial Psychology	2.0

Program Eligibility Criteria

Required Academic Preparation

Control Engineering Technology (Systems) Diploma
Or

Mature Applicant with extensive electrical background and appropriate preparation as determined by the Chair of the Electrical/Electronics Technology Division. Mature Applicants are encouraged to contact the Chair prior to application to determine eligibility.

Applicant Selection Criteria

Where the number of eligible applicants exceeds the available spaces in the program, the Applicant Selection Criteria will be:

- Preference for Permanent Residents of Ontario.
- Receipt of Application by February 1st.
- Achievement in the required academic preparation.
- Preference will be given to graduates of the Fanshawe College Control Engineering Technology (Systems) program.

Note:

Applications received by February 1st will be guaranteed consideration. Applications received after February 1st will be considered only if places remain available in the program.

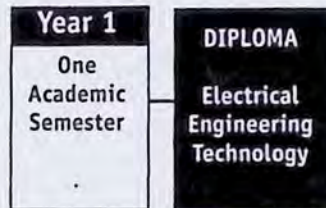
Graduation Requirement

In order to qualify for an Electrical Engineering Technology Diploma, students must successfully complete all of the courses of the Electrical Engineering Technology Program as specified by the Electrical/Electronics Division.

Approximate Costs (2000/2001)

Fees for:	Level 1
	\$1071.95
Books & Supplies:	\$ 285.00

Program Progression



Course Descriptions

DIST910 - Power Systems

This course includes topics such as power and instrument transformers, fuses, switchgear, protective relays, grounding, insulation, power cable termination and fault location, short circuits, instruments and measuring techniques special to the electrical power field. Case studies for various areas of a distribution power system will be completed in detail as to form an acceptable working industrial standard.

DRFT910 - Electrical Drafting

This course will introduce students to the fundamentals of designing electrical systems for buildings. Topics include lighting layouts, branch circuit feeders, motor control centres, etc. Students will prepare a set of electrical drawings for a small office/factory.

ELEC910 - Electrical Machines

A detailed analysis of concepts relevant to a Power Distribution System, using both mathematical models and Computer Simulation.

ELEC911 - Professional Practice

This course explores the and legal implications of practice as a certified Engineering Technologist and meets the admission requirements of the Ontario Ass in this respect.

ENER400 - Energy Management

Energy Management topics include how to conduct an energy audit, how to analyse systems, identify inefficient or wasteful practices/processes and institute corrective measures. Also, included is an investigation of the economics of energy management.

PSYH700 - Industrial Psychology

The student will develop an awareness of the principles of behavior in the following areas: human relations worker, motivation, job satisfaction, supervision/leadership, communication, organizational structures and organizational challenges.