

Course Modules

If you want a great career in
Mechanical Engineering Technology
this is the course for you

1st Term (Weeks: 12, Hours: 246)

- Computer Application for Engineering
- Business Communication
- Physics
- Mathematics

2nd Term (Weeks:12, Hours: 246)

- Drawing
- Mechanics of Materials
- Mechanics
- Machine Elements Design

3rd Term (Weeks: 28, Hours: 574)

- AutoCAD
- AutoDesk Inventor
- SolidWorks
- Catia
- Unigraphics
- Microstation
- GD&T
- Engineering Design and Drawing
- Career Management
- Engineering Project

Career Opportunities

Graduates of Mechanical Engineering Technologists and Technicians Diploma can work as:

- Mechanical (Machine) Designer;
- Tool & Die Designer;
- Mould Designer;
- H.V.A.C Technologist;
- Mechanical Engineering Technologist (Technician)
- Heating Designer;
- Piping Engineering Technologist



North American College

730 Yonge Street, Suite 207,
Toronto, ON, M4Y 2B7
(One Block South of Bloor)

Call: 416-960-6024

Visit us at www.nacollege.com
email: info@nacollege.com

Convenient from East, West, North and South. At the intersection of Yonge and Bloor Subways

NAC information offices also located at

Scarborough Office
2100 Ellesmere Ave #101, Scarborough, M1H 3B7,
Phone: 416-960-6024

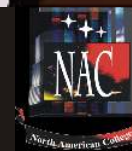
Lawrence Square Office
700 Lawrence Square W. (Lawrence Square)#428,
Toronto, M6A 3B4, Phone: 416-960-6024

Laid off, underemployed, EI active, EI reach back and Non EI-eligible recipients, maternity or parental benefit, SA and ODSP recipients may be eligible for funding for training.

Diploma in Mechanical Engineering Design & Technology



Financial Assistance may be available to those who qualify



North American College
Information Technology

Registered as a private career college
under the Private Career Colleges Act 2005

Objectives and Description of the Program

Programs Offered at NAC

Graduates of Mechanical Engineering Technology Programs carry out mechanical engineering functions within an engineering environment. Graduates have demonstrated achievement of vocational learning outcomes which relate to engineering in general and mechanical engineering in particular. Graduates of the Mechanical Engineering & Design Technology diploma program are trained to:

- perform design in the production of components in a mechanical engineering environment,
- perform analysis in the production of components in a mechanical engineering environment,
- perform supervisory functions in the production of components in a mechanical engineering environment,
- carry out manufacturing and quality control procedures, and
- apply communication, documentation, computer applications, information technology, and teamwork skills to support the engineering activities of an organization.

The graduates work in a wide range of settings in both large and small organizations and in a variety of sectors in the mechanical engineering industry. Their activities could range from computer-aided design and manufacturing, to industrial sales, or to junior management in the mechanical field.

A special feature of this program is the “capstone” Engineering Project course taken at the end of the third term which includes such topics as: project management concepts; needs identification techniques; proposed solutions

preparation; the project life cycle; the project manager’s responsibilities and skills; the effective project team; types of project organizations; project communications and documentation; project planning, scheduling, and control; resource considerations; and cost planning and performance evaluation. In this course, students have the opportunity to replicate an actual mechanical engineering project under the direction of NAC’s instructors who are also practicing professional engineers.

Another feature is the Career Development for Engineers course also taken in the final term which focuses on career planning and effective job search strategies, the techniques of researching companies, the basics of interviewing including a review of typical interview questions and role-playing, with all of this being presented and directed by senior practicing engineers who have direct and current experience with interviewing and hiring engineering technicians.

Admission Requirements

Applicants are to have an Ontario Secondary School Diploma or equivalent, although provision can be made for those who do not meet this requirement, are 18 years of age or older, and pass a qualifying test. Advance standing for up to 40% of the program is possible depending upon an applicant’s previous education and/or work experience.

The amount of credit to be awarded is determined on an individual basis after an interview with the Program Director, a review of the applicant’s history, and, if applicable, the applicant’s results on a challenge examination.

Diploma Programs

Approved as a vocational program under Private Career Colleges Act 2005

Business

Accounting and Finance
Computerized Accounting
Business Administration
Administrative Assistant
Legal Administrative Assistant

Health Sciences

Electrolysis
Esthetics
Esthetics/New Technologies
Esthetics/Electrolysis
Pharmacy Assistant
Medical Office Assistant
Personal Support Worker
Early Childcare Assistant

Engineering

Mechanical Engineering Design & Technology
Civil Engineering Design & Technology

Professional Development & Skill Upgrading Software

Does not require approval under the Private Career College Act 2005

Software Training for Mechanical Engineering

AutoCAD
Autodesk Inventor
CATIA
Geometric Dimensioning and Tolerancing (GD&T) and Finite Element Method (FEM)
MicroStation
SolidWorks
Unigraphics

Software Training for Civil Engineering

AutoCAD
Building Science & Home Inspection Software
Construction Estimating
Geo Environment Software
MicroStation
Primavera (P3) Project Management
Staad Pro
Timberline Software

Software Training for PLC & Robotics

Advanced Control Systems
AutoCAD Electrical
PLC and HMI (Allen Bradley)
PLC and Servo Controllers (Allen Bradley)
PLC and Motion Control (Omron)
PLC (Siemens)
Robotics (ABB)

Bank Teller Program

Canadian Banking System
Customer Analysis-Knowing your customers
Deposit Products
Loan Products
Cheques / Travelers Cheques Identification
Deposits and Withdrawals
Money Orders
Credit Card Cash Advance

Giving you the knowledge and skills to compete in today’s highly demanding technology occupations