

SCHOOL OF  
**ENGINEERING  
TECHNOLOGY**



COLLEGE OF THE  
**North Atlantic**

*So much more.* [www.cna.nl.ca](http://www.cna.nl.ca) 1 888 982 2268



## Engineering Technology

Engineering Technology diploma programs are designed to produce graduates with a diverse technical background, good hands-on skills, and team mentality. In addition, technology training promotes independent thinking and problem solving – critical factors when preparing individuals for troubleshooting, analysis and design, supervision and management roles.

Engineering Technology programs have a solid scientific and mathematical basis. All students are required to complete courses in physics, chemistry and electrotechnology. In addition, mathematics, oral and written communications and engineering graphics are emphasized.

Students enrolled in a technology co-op program are required to complete paid, program-relevant work-terms as part of their graduation requirements. Co-op work-terms allow students to gain real life experience in their chosen fields, which gives them a distinct edge when looking for graduate employment. The college assists in securing these placements.



## Defining the workplace

Those who are part of the technology workplace include scientists, engineers, technologists, technicians and tradespeople. All have specialized education or training beyond the high school level and often work together as a team. As on any team, these players have differing but important roles.

- Scientists are concerned with advancing our understanding of the laws of nature and our knowledge of scientific principles. The scientist primarily works in research.
- Engineers employ the scientific knowledge developed by scientists in planning, designing, and constructing new products and systems. Engineering programs typically require four or five years of training.
- Technologists often coordinate people, material, and machinery to achieve the specific goals of a particular project. While technologists study math, engineering theory and scientific principles, it is not as theoretical as that required in engineering. It is more focused on applications. Technologists work in practical design, problem solving, complex troubleshooting, planning, project management and decision making. Technology training programs are usually two or three years in length.
- Tradespeople and technicians will typically install, troubleshoot, maintain, service, repair and/or operate equipment. Their initial training is generally one or two years in length and stresses practical skills.



## Accreditation

Technician and technology programs are developed with reference to national standards. Program advisory committees, comprised of representatives from local industries, provide practical guidance to ensure that training meets industry standards and expectations.

Our engineering technician and technology programs are accredited by the Canadian Technology Accreditation Board (CTAB). Upon graduation, individuals are eligible for membership in the Association of Engineering Technicians and Technologists of Newfoundland and Labrador (AETTNL), and following two years of approved post-graduate work experience, may receive the designation of Professional Technologist (P. Tech). Designated technicians and technologists are recognized internationally through the Dublin Accord and Sydney Accord.

## Faculty

The School of Engineering Technology has over 120 faculty, consisting of professional engineers, architects, geologists, technologists, technicians, mathematicians, physicists, chemists and communication specialists.

## Learner Services

CNA's Division of Learner Services provides services to help students learn and develop. These services include:

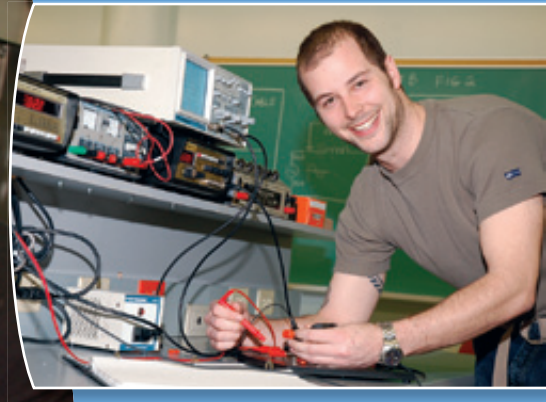
- Counselling and personal development
- Student development services
- Library services
- Peer tutoring program
- Financial advising
- Disabilities services
- Career and employability services
- Registration services
- Health services
- Award program (scholarships and bursaries)
- Social and recreational activities
- Student government

## Partnerships

The school has formalized training partnerships with large international industrial companies such as Schlumberger, Halliburton and Siemens.

## Transferability

Agreements are in place with other colleges and universities where students can obtain advanced



standing in engineering, science and technology degree programs:

- Memorial University
- Lakehead University
- University of Victoria
- Athabasca University
- Indiana University Purdue University at Indianapolis
- Cape Breton University
- University of New Brunswick
- University of Montana

### Employment Opportunities

Job prospects for engineering technologists and technicians remain strong. Some frequent employers of our graduates are:

- Government of Newfoundland and Labrador
- NL Hydro
- Aliant
- IOCC
- Schlumberger
- Voisey's Bay Nickel Company Limited
- Government of Canada
- City of St. John's

### Corporate Services

For business, for industry, for governments, CNA develops customized training options tailored to fit the training requirements of our clients. CNA prides itself in responsiveness to clients' needs; training can vary in duration - from one-day sessions to programs of several weeks - offered anytime, anywhere.

### Testimonials

*"The Industrial Engineering Technology program is a broad based program that has effectively prepared me for my career. In this program, I was exposed to many subjects that enabled me to effectively communicate with members of a design and construction team, no matter what their discipline. I have found this to be absolutely key in my career as a project planner. Additionally, program emphasis on the business and management side of engineering technology has provided me with a focus that fits very well in the project controls realm."*

Tony Scott,  
Industrial Engineering Technology Graduate

*"Engineering Technology at College of the North Atlantic is the thing to do! I found that the work-term experiences were great, the course load was intense, and I met a lot of amazing people who I am still friends with today. I enjoyed my time at the college, but what I really enjoyed was the job offers I had when I graduated."*

Sarah Churchill,  
Safety Engineering Technology Post Diploma Graduate

*"A world-renowned, nationally accredited institution that offers a quality education, an inviting atmosphere, the best in technology advancement, and opportunities to make your dreams come true. That is why I chose the College of the North Atlantic Engineering Technology Centre."*

Craig Rogers,  
Petroleum Engineering Technology Graduate

*"We have always found your graduates to be of a high calibre, consequently most of our staff are College of the North Atlantic graduates."*

Beaton Sheppard, FRAIC  
Sheppard Case Architects Inc.

*"The Civil Engineering Technology program at College of the North Atlantic (CNA) not only prepared me for the workplace, it provided me with the knowledge and abilities required to advance technically at Lakehead University (LU) in Ontario. The courses I completed in the Engineering Technology program were completely transferable to the engineering program at LU. This enabled me to complete my undergraduate studies in Civil Engineering within two and a half years of graduating from CNA."*

Lee Bennett, B.Eng.  
E.I.T. - Project Engineer, Davis Engineering and Associates Limited





*"The Manufacturing Technology program exposes students to a wide variety of manufacturing processes, opening up job opportunities at home (NL) and away."*

Jason Legge,  
Class of 2000, Mechanical (Manufacturing) Engineering  
Technology

*"Attending the Electronics Technology (Biomedical) program at College of the North Atlantic was one of the best decisions I've ever made! I've progressed from being a graduate in 1997, to National Technical Service Manager today. For success I strongly recommend this program."*

Austin Whittle,  
National Technical Service Manager,  
MAQUET-DYNAMED INC.

- Electronics Engineering Technology (General)
- Electronics Engineering Technology (Biomedical)
- Electronics Engineering Technology (Instrumentation)
- Geomatics Engineering Technology (Co-op)
- Industrial Engineering Technology (Co-op)
- Mechanical Engineering Technology
- Mechanical Engineering Technology (Manufacturing) Co-op
- Petroleum Engineering Technology (Co-op)
- Process Operations Engineering Technology
- Safety Engineering Technology (Post Diploma)
- Software Engineering Technology (Co-op)
- Telecommunications Engineering Technology
- Welding Engineering Technician

## Programs

- Engineering Technology (First Year)
- Architectural Engineering Technology
- Civil Engineering Technology
- Electrical Engineering Technology (Industrial Controls)
- Electrical Engineering Technology (Power and Controls) Co-op



## CONTACT

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