

## DIPLOMA

- September start
- Burin, Carbonear, Clarenville, Corner Brook, Gander, Happy Valley-Goose Bay, Labrador West, Ridge Road (St. John's), and St. Anthony Campuses

## COURSES

CODE	TITLE	Hrs/wk		
		Cr	Le	La
<b>Semester 1</b>				
CM1400	Technical Report Writing I	3	3	0
ET1100	Electrotechnology	4	3	2
MA1700	Mathematics*	4	3	2
PH1100	Physics	4	3	2
EG1110	Engineering Graphics	3	2	2
CH1120	Chemistry	4	3	2
SD1170	Technology Awareness I	P/NP	0	0

\*Admission into the appropriate Mathematics course will be decided by the grade in high school math.

### EITHER

Students who received at least 70% in level III Math 3200 or a pass in Math 3201 can be exempted from MA1700

### OR

Students who received a combined average of 70% in 2204 and 3204, or a pass in both of 2205 and 3205 can be exempted from MA1700.

**Note: Students may apply for an exemption from MA1700 provided they meet the appropriate high school level in Mathematics as noted above.**

CODE	TITLE	Hrs/wk		
		Cr	Le	La
<b>Semester 2</b>				
CH1121	Chemistry	4	3	2
PH1101	Physics	4	3	2
MA1101	Mathematics*	5	5	0
ET1101	Electrotechnology	4	3	2
CM1401	Technical Report Writing II	3	3	0
EG1430	AutoCAD Essentials	3	2	2
SD1171	Technology Awareness II	2	2	0

## ENGINEERING TECHNOLOGY

# Engineering Technology (First Year)

The following Engineering Technology Programs are available and follow the first year of Engineering Technology:

### Burin Campus

Electrical Engineering Technology (Industrial Control)

### Corner Brook Campus

Civil Engineering Technology  
Electronics Engineering Technology (General)  
Process Operations Engineering Technology

### Ridge Road Campus, St. John's

Architectural Engineering Technology  
Chemical Process Engineering Technology (Co-op)  
Civil Engineering Technology  
Electrical Engineering Technology (Power & Controls) Co-op  
Electronics Engineering Technology options in:  
• Biomedical  
• Instrumentation  
Geomatics/Surveying 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) Co-op  
Software Engineering Technology (Co-op)  
Telecommunications Engineering Technology

### SELECTION PROCESS

The college offers a common first year in the Engineering Technologies. This initiative allows students to attend the first two semesters of an engineering technology program at the campus nearest their hometown. After completing the first two semesters, students then enter the campus which offers the program of their choice to complete the seven week Spring (May, June) Technical Intersession, and the subsequent years of their program.

Individuals must submit their application to the campus where they intend to complete the first two semesters of their program. This begins a first come, first served provincial process which reserves a seat at the designated campus for the appropriate Technical Intersession, and subsequent years of program study.

After successful completion of the first two semesters, students progress to the Technical Intersession in the program for which a seat has already been reserved. Any student who, after registration, wishes to change his/her original program choice MUST apply for a Program Transfer (see below).

### TRANSFER PROCESS

If a student wishes to change his/her original program choice, he/she MUST request a program transfer and complete the appropriate form (Request to Transfer Form) which is available through the Registrar's Office.

Applicants cannot request a change in program prior to entry into the first year. A request to transfer does not guarantee entry into one's alternate, "new" program choice. Program transfer will be granted only if sufficient space is available. The following conditions apply:

1. The Request to Transfer Form must be received at the Registrar's Office by February 15.
2. Transfers are granted based on 1) space availability and 2) the student's weighted average at the end of semester one. In cases where the student has been exempted from courses in the first semester, the mark(s) obtained by the student at another postsecondary institution or high school will be used in calculating the weighted average.



## ENTRANCE REQUIREMENTS

Eligibility for admission to an Engineering Technology program requires the applicant to meet one of the following four academic criteria:

### 1. High School

High School Graduation Certificate with a 60% overall average in the following (or equivalent):

- i. English (2 credits) (minimum 60%) from: 3201
  - ii. Mathematics (2 credits) chosen from:  
Advanced: 2205, 3205 (50% minimum in each course)  
Academic: 2204 (50% minimum), 3204 (60% minimum)
  - iii. Science (4 credits) chosen from two of:  
Biology: 3201  
Physics: 3204  
Chemistry: 3202  
Earth Systems: 3209
- Note:** The remaining two Science credits to be chosen from the highest Science mark in level 1, 2 or 3

### 2. Comprehensive Arts and Science (College Transition)

Comprehensive Arts and Science Certificate with the following courses:

- i. Math MA1040, MA1041
  - ii. Two Science courses chosen from one of the following three combinations:
    - a. Introductory Biology: BL1020, BL1021
    - b. Introductory Chemistry: CH1030, CH1031
    - c. Introductory Physics: PH1050, PH1051
- Note:** It is strongly recommended that CAS students who intend to enroll in Engineering Technology programs complete both of the Introductory Chemistry courses and both of the Introductory Physics courses.

### 3. Adult Basic Education (ABE)

Adult Basic Education (Level III) Graduation with Degree and Technical Profile including the following courses (or equivalent):

- i. English 3101A, 3101B, 3101C or 3102A, 3102B, 3102C
- ii. Mathematics 1104A, 1104B, 1104C, 2104A, 2104B, 2104C, 3104A, 3104B, 3104C
- iii. Science from one of the following sections:
  - a. Biology 1101, 2101A, 2101B, 2101C, 3101A, 3101B, 3101C
  - b. Chemistry 1102, 2102A, 2102B, 2102C, 3102A, 3102B, 3102C
  - c. Physics 1104, 2104A, 2104B, 2104C, 3104A, 3104B, 3104C

Applicants with Adult Basic Education (Level III) Graduation with a different Profile may be eligible for admission to the program provided the appropriate selection of courses including those outlined above have been completed.

### 4. Mature Student Status

Applicants who do not meet the entrance requirements, are 19 years of age or older, and have been out of school for at least one year may be considered on an individual basis under the Mature Student Clause.

## TRANSFERABILITY

Currently there are a number of agreements in place with other colleges and Universities where students can obtain advanced standing into Engineering and Bachelor of Technology Programs.

- Memorial University – Bachelor of Technology
- Lakehead University – Bachelor of Engineering
- Memorial University – Bachelor of Engineering
- Cape Breton University – Bachelor of Technology
- Athabasca University – Bachelor of Science (Post Diploma)
- Indiana University Purdue University at Indianapolis – Master of Science
- Victoria University – Bachelor of Engineering
- College of the North Atlantic – Other engineering technology programs (on a course by course basis). Every effort has been made to ensure that the maximum numbers of transfer credits are attainable by articulating new and revised courses for common curriculum areas.

Graduates with two years of appropriate work experience may receive the designation of Professional Technologist (P. Tech).

**Note:** Transfer and articulation agreements with other post-secondary institutes are continuing to evolve. To find out about the latest educational opportunities please contact the Registrar's Office or any of the campus program administrators.