

DIPLOMA

- Three years
- September start
- Corner Brook Campus

COURSES

CODE **TITLE** **Hrs/wk**
Semester 1 and 2 – Refer to Engineering Technology (First Year)

	Cr	Le	La
ES1300	4	6	6
MA1670	4	8	0
SP2400	2	5	0

	Cr	Le	La
C11400	3	2	2
FM2320	4	3	2
MA2100	5	5	0
MT2400	2	2	0
PE2430	3	2	3
TD2100	3	3	1
EC1710	3	3	0

	Cr	Le	La
CH2720	3	2	2
C11210	3	2	2
EN2220	4	3	2
ES1301	4	3	2
PE2800	4	3	2
SI2300	4	3	1
TD3110	3	2	2

	Cr	Le	La
ES2300	4	6	6
ES2301	4	6	6

	Cr	Le	La
C11401	4	3	2
C12520	4	3	3
EN2601	4	3	2
ES3300	4	4	0
MT2410	4	4	0
PR2680	3	0	3
SP2300	3	3	0

	Cr	Le	La
EN2600	3	3	0
C12610	3	2	3
CR1340	3	2	2
PR2681	3	2	3
PS2340	4	4	0
SP2301	3	3	1
MT2650	4	3	2

ENGINEERING TECHNOLOGY

Process Operations Engineering Technology

The Process Operations Engineering Technology program is designed to train graduates to operate and optimize modern industrial plants and processes. Typically, the graduates will work as process operators, process technologists and supervisors in pulp and paper, mineral processing, and petroleum related industries. They will graduate with the knowledge and skills needed to optimize manufacturing processes, improve product quality, and reduce costs.

ACCREDITATION:

This program is accredited by the Canadian Technology Accreditation Board under the mandate of the Canadian Council of Technicians and Technologists.

The academic credentials of graduates of accredited technology programs are recognized internationally by the signatories of the Sydney Accord.

OBJECTIVES

Upon completion the graduates will:

1. Understand the process industries, focusing on pulp & paper, mineral processing, and petroleum refining,
2. Evaluate and apply chemistries underlying industrial processes,
3. Be able to apply the principles of process control and process optimization,
4. Demonstrate technical competence in environmental protection, balanced by an appreciation of market forces and cost control,
5. Work and communicate as members of a team with other professionals, as well as supervise the work of technical and non-technical persons,
6. Think and work independently.

CURRICULUM

General education consisting of English (written and oral), Mathematics, Physics, Chemistry, Electrotechnology, Computers and Engineering Graphics.

The training program has a strong focus on Process Optimization, Quality Management, and Environmental Abatements. This core curriculum is supported by courses which bring together technological concepts and competencies from the fields of process control, automation, chemical and environmental engineering, mechanical systems, and information technology.

EMPLOYMENT OPPORTUNITIES

Career opportunities for graduates of this program exist with pulp and paper companies, mineral processing plants, oil & gas refining, petrochemical plants, and specialty chemical companies. Previous graduates have been successful in obtaining employment with Corner Brook Pulp & Paper, Voisey's Bay Nickel Co. (Hydromet plant), Iron Ore Company of Canada, and Syncrude, as well as with mineral processing operators.

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

