

## CERTIFICATE

- 24 weeks
- Start date varies
- Bay St. George and Placentia Campuses

### COURSES

CODE	TITLE	Hrs
<b>Block 1</b>	<b>Entry Level</b>	<b>50</b>
HE1100	Equipment Operation Safety	50
HE1200	Equipment Maintenance	45
HE1300	Regulation/Emergency Procedures	45
HE1120	Grades & Stakes	30

#### Three Courses from the following:

HE1500	Bulldozers	75
HE1510	Graders	75
HE1520	Backhoes	75
HE1530	Front End Loaders	75
HE1540	Tandem Trucks	75
HE1550	Off Highway Trucks	75
HE1560	Excavators	75

#### Related Courses

CM2150	Workplace Communications	45
MC1050	Introduction to Computers	30
MR1220	Customer Service	30
SD1700	Workplace Skills	30
SD1710	Job Search Techniques	15
SD1720	Entrepreneurial Awareness	15
SP2330	Quality Assurance/Quality Control	30

## INDUSTRIAL TRADES

# Heavy Equipment Operator

This program provides pre-employment and apprenticeship level training, exposing students to the safe and effective operation of Heavy Duty Earth Moving Equipment. Students study the theory of operation and preventive maintenance and develop the necessary practical skills to become proficient in the use of three of the six available categories of machinery.

The Provincial Apprenticeship and Certification Board through legislative authority is responsible for the registration of apprentices and trade qualifiers into the designated occupations.

The registration of an apprentice will take place when an individual is employed in a field of work directly relating to a designated occupation, and has a Memorandum of Understanding (MOU) signed between the Division of Institutional and Industrial Education, an employer and the apprentice.

After successful completion of this program, and the required work experience, the apprentices qualify to return to complete advanced level training in preparation for writing the Journeyperson's Examination.

### EQUIPMENT CATEGORIES

Tractor/Bulldozer  
Front End Loader  
Grader  
Dump Truck (Off-Highway and Tandem)  
Tractor/Loader/Backhoe  
Excavator

**Note:** Graduates under the age of 25 should note that they may encounter problems obtaining employment because of the cost and complications of insurance experienced by employers.

### OBJECTIVES

1. To expose students to terminology associated with construction equipment.

2. To provide knowledge of machine capabilities and industry expectations.
3. To provide servicing procedures and techniques to maximize the life span of construction equipment.
4. To provide skills training in basic machine manoeuvring, control and operation in work simulated projects.
5. To provide knowledge of standards for road construction as well as other municipal projects.

### ENTRANCE REQUIREMENTS

1. Comprehensive Arts and Science Certificate (College Transition program),  
**OR**  
High School Graduation,  
**OR**  
Grade XI Certificate (Public Examinations or equivalent),  
**OR**  
Adult Basic Education (Level III) Graduation,  
**OR**  
Adult Basic Education (Level III) Graduation with General College Profile (or Business Related College Profile or Degree and Technical Profile). It is strongly recommended that courses include the following:  
1. Mathematics MA3107A, MA3107B, MA3107C  
2. Science 3101, 3102, 3103  
**OR**  
Persons 19 years of age or older who do not meet the educational prerequisite for this program may be considered on an individual basis under the Mature Student Clause.
2. Students selecting the Equipment Category - Dump Truck (Off-Highway and Tandem) must have a valid Newfoundland Class 5 driver's license for one year prior to the commencement of the program.
3. Satisfactory medical report for Class 03 is required by the Department of Works, Services and Transportation.

### EQUIPMENT REQUIRED FOR TRAINING

Safety boots, safety hat, safety glasses, coveralls, and gloves

