

Heavy Equipment Operator

This program provides training in the safe and effective operation of Heavy Duty Earth Moving Equipment. You will learn 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. Operators work outdoors in all kinds of weather however, the cab may be air conditioned and have dust control. Expect the work to be seasonal with a considerable amount of overtime during peak times and layoffs during the slower months. Employment could be project based which would require you to travel and be away from your family for periods of time. You should have excellent physical condition, good vision and awareness of depth, excellent eye, hand and foot coordinator and fast reflexes; and have the ability to work independently or as part of a team.

EQUIPMENT CATEGORIES

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

Note: If you are under the age of 25 you may encounter problems obtaining employment because of the cost and complications of insurance experienced by employers.

OUTCOMES

1. Demonstrate the knowledge of machine capabilities and industry expectations.
2. Develop servicing procedures and techniques to maximize the life span of construction equipment.
3. Demonstrate skills in basic machine maneuvering, control and operation in work simulated projects.
4. Demonstrate knowledge of standards for road construction as well as other municipal projects.
5. Demonstrate safe work practices and personal protection.

ENTRANCE REQUIREMENTS

Eligibility for admission requires the applicant to meet one of the following academic criteria:

- 1. High School**
High School Graduation
 - 2. Comprehensive Arts and Science (CAS) Transition**
Comprehensive Arts and Science (Transition) Certificate
 - 3. Adult Basic Education**
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:
 - i. Mathematics MA3107A, MA3107B, MA3107C
 - ii. Science 3101, 3102, 3103
 - 4. Mature Student Status**
Applicants who do not meet the educational prerequisites, 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.
- AND
- 5. Drivers License and Medical**
 - i. Students selecting the Equipment Category - Dump Truck (Tandem), must have a valid Newfoundland and Labrador Class 5 driver's license for one year prior to the commencement of the program.
 - ii. Satisfactory medical report for Class 03 is required by the Department of Works, Services and Transportation.

EMPLOYMENT OPPORTUNITIES

You may find employment with general contractors that build highways or install water and sewer, residential and commercial projects, municipal projects, paving companies, pipeline companies, logging companies, mining companies, landscaping companies and demolition companies.

CERTIFICATE

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

COURSES

CODE	TITLE	Hrs
Block 1	Entry Level	
HE1101	Equipment Operation Safety	12
HE1201	Equipment Maintenance	55
HE1301	Regulation/Emergency Procedures	45
HE1120	Grades & Stakes	30
HE1600	Air Brakes	15
HE1610	Professional Driver Improvement Course (PDIC)	15
HE1620	Powerline Hazard	4
HE1630	Transportation of Dangerous Goods	6
HE1640	Trenching Safety	4
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

Three Courses from the following:

HE1501	Bulldozers	80
HE1511	Graders	80
HE1521	Backhoes	80
HE1531	Front End Loader	80
HE1541	Tandem Dump Trucks	80
HE1551	Off Highway Trucks	80
HE1561	Excavators	80

