



CANADA  
HEAVY  
EQUIPMENT  
COLLEGE™

# HEAVY EQUIPMENT OPERATOR

---

PROGRAM OUTLINE





# COURSE OVERVIEW

## **280 HOURS / 9 WEEKS**

This program consists of 40 hours of in-class theories and 240 hours of on-site practical & observational training. The modules include practical training for Bulldozer, Backhoe, Excavator and Grader. See below for a complete breakdown of skills and theory learned in the program.



# FEES & TUITION

## HEAVY EQUIPMENT PROGRAM



*Students must provide their own safety footwear*

Books	\$250.00
Incidental Fees	\$455.00
Regular Tuition	\$16,500.00
<b><u>Total</u></b>	<b><u>\$17,205.00*</u></b>

*Additional charges will be applied to credit card transactions*

***Students Receive A FREE  
CHEC duffel bag***



# IN CLASS

## THEORY TOPICS

**40 hours**

- Parts Identification for all four pieces of equipment
- Lubricants
- Identification, Inspection Areas & Types of Applicable Fluids
- Rigging & Lifting
- Hand Signals
- Buried Utilities
- Function and Danger of Hydraulics
- Surveying Basics
- Soil, Aggregate & Concrete
- Surface Miner Module U5030, U5031 & U5032
- Basic WHMIS
- Construction Health & Safety Act & Regulations



# PRACTICAL TRAINING

## **BULLDOZER OPERATION**

30 Hours Hands-on Practical

30 Hours Observational

- Checks
- Start-Up and Shut-Down Procedures
- Basic Maintenance
- Blade Control
- Moving Stockpile
- Slot Dozing
- V-Ditching and observational exercises
- Watching videos
- Learning operator's manual
- Observing fellow students
- Answering quizzes







# PRACTICAL TRAINING

## **BACKHOE OPERATION**

**30 Hours Hands-on Practical**

**30 Hours Observational**

- Control Functions & Checks
- Start-Up and Shut-Down Procedures
- Basic Maintenance
- Rear Controls
- Backhoe Maneuvers & Bucket Spins
- Basic Trenching & Backfilling
- Step Trenching & Backfilling Loading using Front Bucket
- Trench Crossing
- Watching videos
- Learning operator's manual
- Observing fellow students
- Answering quizzes



# PRACTICAL TRAINING

## EXCAVATOR OPERATION

30 Hours Hands-on Practical

30 Hours Observational

- Control Functions & Checks
- Start-Up and Shut-Down Procedures
- Basic Maintenance
- Control Exercises
- Crawling to the Bucket
- Three-Point Turns
- Moving Stockpile
- Digging Basic Straight Trench & Backfilling
- Digging Sloped Trench & Backfill
- Digging Step Trench & Backfill
- Manoeuvring Crossing Trenches & Hill Climbing
- Loading from Ground & Stockpile
- Watching videos
- Learning operator's manual
- Observing fellow students
- Answering quizzes







# PRACTICAL TRAINING

## **GRADER OPERATION**

**30 Hours Hands-on Practical**

**30 Hours Observational**

- Control Functions & Checks
- Start-Up and Shut-Down Procedures
- Basic Maintenance
- Leveling
- Ditching
- Road Building Techniques
- Road Maintenance Techniques
- Watching videos
- Learning operator's manual
- Observing fellow students
- Answering quizzes



# ADMISSION REQUIREMENTS



- OSSD Grade 12 or GED\*
- 18 Years or Older or Consent of Parent/Legal Guardian
- Canadian Citizen or Permanent Resident

*\*Admission Test can be completed at office*





# NEED MORE INFO? **CONTACT US**



1-888-934-2432 (CHEC)  
519-650-6040



[www.chectraining.com](http://www.chectraining.com)



[info@chectraining.com](mailto:info@chectraining.com)



1425 Bishop St. N Unit 6  
Cambridge, Ontario, N1R 6J9