

Our Courses

IHE SCHOOL provides industry-leading training at all four of our training locations throughout Western Canada. Choose from one of our exciting individual machine courses, or any of our combination options listed below. Some students prefer to take specific machine training, while others prefer to cross-train on several depending on their budget, time, and needs. All courses include **five hours machine training each day**, with just two hours classroom theory training. If you are a Company needing specific task training, call us to learn about our custom, mobile offerings.

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| Earth Mover Course | | | | | | 12 weeks \$24,450 |
|  110 Hours Excavator |  25 Hours Articulated Rock Truck |  50 Hours Dozer |  50 Hours Grader |  25 Hours Loader |  25 Hours Rubber Tire Backhoe | 285 Machine Hours 455 Total Course Hours |
| Heavy Equipment Operator Course | | | | | | 10 weeks \$19,950 |
|  110 Hours Excavator |  25 Hours Articulated Rock Truck |  25 Hours Dozer |  25 Hours Grader |  25 Hours Loader |  25 Hours Rubber Tire Backhoe | 235 Machine Hours 380 Total Course Hours |
| 4 Piece Full Equipment Course | | | | | | 8 weeks \$17,500 |
|  115 Hours Excavator | |  25 Hours Dozer |  25 Hours Grader |  25 Hours Loader | | 190 Machine Hours 305 Total Course Hours |
| 3 Piece Combination Equipment Course | | | | | | 6 weeks \$14,000 |
|  95 Hours Excavator |  25 Hours Articulated Rock Truck | | |  25 Hours Loader | | 145 Machine Hours 235 Total Course Hours |
| Excavator Course | | | | | | 5 weeks \$10,500 |
|  | | | | | | 115 Machine Hours 200 Total Course Hours |
| 5 weight Classes from 8,000 kg to 33,000 kg | | | | | | |
| Individual Machine Courses | | | | | | 3 weeks |
|  Articulated Rock Truck \$7,500 |  Dozer \$6,500 |  Grader \$6,000 |  Loader \$6,000 |  Rubber Tire Backhoe \$5,000 | | 50 Machine Hours 110 Total Course Hours |



Safety Tickets

Don't get caught off guard by additional unexpected training costs needed in order to get a job. Each course taken at IHE comes with the four standard safety tickets which will be likely required by any future industry employer.

- Petroleum Safety Training / Construction Safety Training System (PST/CSTS)
- Ground Disturbance Level 2 (GD2)
- Workplace Hazardous Materials Information System (WHMIS)
- First Aid Level 1

Other Safety Tickets

- Hydrogen Sulfide / Sour Gas (H2S Alive)
- Transportation of Dangerous Goods (TDG)

Driver Training

British Columbia

- Class 1 Driver Training – 2 weeks (\$4,000)
 - Semi-trailer trucks
 - All other class 1 to 5 motor vehicles
- Class 3: Driver Training - 21 hours (\$2,500)
 - Trucks with more than two axels
 - Mobile truck crane and tow car hauling a vehicle of any weight
- Class 3: Driver Training - 21 hours (\$2,500)
 - Trucks with more than two axels
 - Mobile truck crane and tow car hauling a vehicle of any weight

Alberta

- Class 1 Driver Training – 6 weeks (\$9,950)
 - Semi-trailer trucks
 - All other class 1 to 5 motor vehicles

TOPCON 3D MACHINE CONTROL

WHAT IS TOPCON

TOPCON is the global leader in developing and manufacturing precision positioning equipment. It provides solutions to the survey, engineering, mapping, construction, mining and agriculture sectors. The whole program works with leading edge technology to ensure grads are ready for real world equipment applications. This course puts you in the operator's seat of a 3D machine control system and covers system components and software, machine calibrations, checks and troubleshooting.

COURSE COST

\$2995.00, less than \$750.00 per day (day courses are usually \$800/day for classroom-based work, the course includes hands-on machine operation also).

COURSE DURATION

Four Days - 8:00am to 5:00pm – with 1 hour for lunch (32 Hours Total Course Time)

Course & Equipment Learning Outcomes

5 Hours Daily Machine Training* & 2 Hours Classroom Theory (Monday - Friday)

**includes pre-start up and post-operating shut down procedures, greasing, & toolbox meeting*

General - All Courses

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|------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <input type="checkbox"/> Read basic drawings | <input type="checkbox"/> Identification of common Aggregates |
| <input type="checkbox"/> Common sloping techniques | <input type="checkbox"/> Grade Stake reading and Identification |
| <input type="checkbox"/> Safe Environmental practices | <input type="checkbox"/> Awareness of the main categories of Hazards |
| <input type="checkbox"/> Hoisting and Rigging techniques | <input type="checkbox"/> Understand rights & responsibilities regarding safety |
| <input type="checkbox"/> Use of Laser Level and Practices | <input type="checkbox"/> Demonstrate safe practices during practical training |
| <input type="checkbox"/> Hand and communication signals | <input type="checkbox"/> Describe common injuries & Hazards specific to Heavy Equipment |
| <input type="checkbox"/> Bulking, Sediment & Swell factors | |
| <input type="checkbox"/> Understand Material management | |



Excavator

- Parts and Control identification
- Common Trenching
- Road Building
- Rockwall/Rip Rap
- Bell Hole
- Loading Ramp
- Loading Trucks
- V-Bucket Trenching
- Basements
- Slope Trimming
- Pipeline Trenching

Articulated Rock Truck

- Parts and Control identification
- Backing into tight corners
- Up and down grades
- Moving fill
- Spreading fill
- Horn signals

Dozer

- Parts and Control identification
- Ramp Building
- Sumps
- Berms
- Lease Development and Reclamation
- Bulking



Grader

- Parts and Control identification
- Windrowing
- Shoulder pulls
- Road Building
- Crowning
- Leveling

Loader

- Parts and Control identification
- Backfilling/Leveling
- Loading Ramp
- Loading Techniques
- Loading Trucks

Rubber Tire Backhoe

- Parts and Control identification
- Vault Pads
- Service Trenching Techniques
- Septic Fields
- Footing