

# HEAVY EQUIPMENT OPERATOR



Central Okanagan  
Public Schools  
Together We Learn



Thompson Rivers University and Central Okanagan Public Schools are partnering for this 10-week fully accredited Road Builder and Heavy construction Foundation (RB) and Equipment Operator (HEO) program. Students will receive the theoretical and practical skills needed to become an entry-level equipment operator.

## Career Opportunities

Heavy equipment operators run heavy equipment used in the building and maintenance of roads, bridges, airports, gas and oil pipelines, tunnels, buildings and other structures. As well, they operate heavy equipment used in surface mining and quarrying activities and in material handling work. People in this career work for heavy equipment contractors, public works departments, as well as construction, pipeline, logging, cargo-handling and other companies.

WorkBC - [www.workbc.ca](http://www.workbc.ca)

## Admission Requirements

Grade 12 students with good attendance and academic standing on a Dogwood graduation plan.

## Program Outline

This program combines theory and hands-on training in the following courses, with a minimum passing grade of 70% per course.

Worksite Health and Safety Practices / Environmental Requirements  
OFA Level 1  
Basic Road Building and Heavy Construction Equipment  
RSTS Course Online  
Small Road Building Construction Equipment  
Surveying and Construction  
Drainage / Soil Mechanics and Geology  
Principles of Excavation and Shorting / Aggregates  
HEO Theory  
Heavy Equipment Operations - Practical Training

## Tuition

SD23 and Community Partners sponsor tuition  
Student Pays: \$ 960.00 (Supplies & textbooks)

\*All program costs are approximate and subject to change without notice.



Duration: 10 weeks (April - June)  
Start Date: Semester 2  
Monday - Friday  
Classroom - 8:00am - 4:30pm  
Site: 7:30am - 5:30pm



## Location

Classroom: TBD  
HEO Site: Emil Anderson Quarry  
1620 Stevens Rd, West Kelowna, BC

## Credentials Received

Graduates of this program will receive Level 1 in SkilledTrades BC Roadbuilders and Heavy Construction Foundation and Heavy Equipment Operator. Secondary school students will be given 16 credits towards Grade 12 graduation.

## Physical Requirements

- Lift and carry tools, equipment, supplies and materials weighing up to approximately 30 lbs.
- Able to tolerate sustained sitting periods with exposure to vibration and jarring
- Upper extremity mobility and strength to lift and carry tools and fluids
- Adequate agility including climbing, stooping, crouching and bending

## Recommendations for Success

- Good general health and respiratory condition
- Capable of doing physical work
- Physical strength and stamina compatible with the handling of heavy equipment and materials
- Ability to tolerate noise and vibration
- Good manual dexterity
- Balance and coordination to walk on uneven ground for up to 8 hours per day
- Good hand-eye coordination
- Satisfactory eyesight, line, form and depth perception
- Willing to work in team and individual environments

## Sponsorship Requirements for SD23 Students

- Complete the School District application package and hand it into your Career Programs Coordinator
- Be on track to graduate with a Dogwood diploma
- Meet with Career Coordinator to review program and school district exemptions
- TRU course requirements / admission requirements met for program
- Application approved and accepted by School District
- An interview may be required for potential applicants

## Focus on Safety

TRU and SD23 is committed to providing a safe learning environment for students. All students are responsible for:

- Knowing safe work procedures in classroom, shop and work areas
- Following the safety standards as taught by the instructor. These standards meet or exceed the regulatory requirements of the WorkSafe BC Occupational Health and Safety Regulation.

Failure to do so may result in suspension from the program. Each student is expected to report any unsafe condition or unsafe behavior to their instructor.

**Applications are available at your school  
Career Centre or go to  
[www.dualcredit23.sd23.bc.ca](http://www.dualcredit23.sd23.bc.ca)**



### CONTACTS:

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