

HEAVY MECHANICAL TECHNICIAN



Central Okanagan
Public Schools
Together We Learn



This 38-week program provides learners with little or no previous experience in the Heavy Duty Mechanic, Commercial Transport Mechanic, Diesel Engine Mechanic, or Transport Trailer Technician trades with the skills necessary to seek employment in the industry. Instruction in theoretical and practical components of all four trades are included, giving students the opportunity to choose to enter any of the four trades as an apprentice. The program includes a two-week industry work placement.

Career Opportunities

Depending on which of the four trades you decide is your best fit, after graduating from the program you would be looking for work in forestry, mining, railway, busing and trucking companies; transport and automotive dealerships, shops, garages and service stations; and, in agriculture and landscaping companies.

WorkBC - www.workbc.ca

STBC - www.skilledtradesbc.ca

Program Outline

HMFP 111 Industry Work Placement students must receive a "Pass" grade. In all other courses minimum passing grades is 70%

HMFP 101A Occupational Skills (Theory)

HMFP 101B Occupational Skills (Practicum)

HMFP 102A Brakes (Theory)

HMFP 102B Brakes (Practicum)

HMFP 103A Hydraulics (Theory)

HMFP 103B Hydraulics (Practicum)

HMFP 104A Electrical (Theory)

HMFP 104B Electrical (Practicum)

HMFP 105A Frames, Steering, Suspension and Tracks (Theory)

HMFP 105B Frames, Steering, Suspension and Tracks (Practicum)

HMFP 106A Trailer (Theory)

HMFP 106B Trailers (Practicum)

HMFP 107A Heating, Ventilation and Air Conditioning (Theory)

HMFP 107B Heating, Ventilation and Air Conditioning (Practicum)

HMFP 108A Engines and Supporting Systems (Theory)

HMFP 108B Engines and Supporting Systems (Practicum)

HMFP 109A Powertrains (Theory)

HMFP 109B Powertrains (Practicum)

HMFP 110A Structural Components and Accessories (Theory)

HMFP 110B Structural Components and Accessories (Practicum)

HMFP 111 Industry Work Placement

HMFP 112 Final Exam

Admission Requirements

Grade 12 student with good attendance and academic standing on a Dogwood graduation plan. English 10 with a minimum 50%, Math 11 with a minimum 50%.

Tuition

SD23 Pays:

- Tuition: \$4,894.78

Student Pays:

- Mandatory Fees: \$1,295.36 includes:
Activity fee, Health & Dental, Student Association fee, Education Technology fee, Developmental fee
- Textbooks: \$1165

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



Location

Okanagan College
1000 KLO Road, Kelowna, BC



Student for a Day

Arrange your Student for a Day experience by contacting your school Career Coordinator.

Credentials Received

Graduates of this program will receive an Okanagan College program certificate, Level 1 Technical Training credit and 450 work-based training hours towards one of the four trades from Skilled Trades BC.

Secondary school students will earn 32 elective credits (8 Grade 12 courses) towards graduation.

Physical Requirements

- Lift and carry tools, equipment, supplies and materials weighing up to approximately 30 lbs.
- Lift, carry, hold and operate hand, air and power tools from below grade to above shoulders
- Stand on concrete, dirt, rock, asphalt, wood, etc. for extended periods of time
- Bend, stoop, kneel, crawl to perform tasks
- Work in confined spaces
- Work in both indoor and outdoor venues, through all seasonal challenges
- Push/pull and carry tools and troubleshooting equipment
- Climb extension ladders, and work on scaffolding at heights

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

- Attend "Student for a Day"
- 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
- Okanagan College 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

Okanagan College 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**



CONTACTS:

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