

READINESS FOR THE SKILLED TRADES LEVEL 2

HYDRAULICS AND ELECTRICAL | FIVE APPRENTICESHIP CREDITS

Applications due September 9

PROGRAM DESCRIPTION

Students who are interested in learning more about Heavy Equipment Technician will navigate through Electrical Circuits, Magnetism, Test Equipment, Battery Fundamentals and Service, Electronic Control Systems, Hydraulic Fundamentals, Hydraulic System Components such as Reservoir, Filters, Hoses and Coolers, as well as Hydraulic System Components such as Pumps, Valves and Cylinders.



Student Eligibility & Prerequisites

This program is available to all CESD students:

Prerequisite- Readiness for the Skilled Trades Level 1

1. Who are excited about learning and sharing their ideas
2. Who are in grades 10, 11 or 12 and who have an interest in learning about the Trades.
3. Who are able to commit to the duration of the program, participating in learning activities and completing assignments and tests as scheduled, and who can meet regularly with the Facilitating Teacher to communicate about progress in the course and to identify strategies for success.

Course Outline

1. Electrical Circuits
2. Magnetism
3. Test Equipment
4. Battery Fundamentals and Service
5. Electronic Control Systems
6. Hydraulic Fundamentals
7. Hydraulic System Components such as Reservoir, Filters, Hoses and Coolers
8. Hydraulic System Components such as Pumps, Valves and Cylinders

ADDITIONAL INFORMATION

- Students' marks will appear on their high school transcript as well as their post-secondary transcript.
- Students should have the support and guidance of their parents if they are to pursue online dual credit opportunities.
- Deadlines Matter! Students must be able to communicate with the instructor and the key school contact when alternative arrangements need to be made.
- The student understands the expectations of the dual credit program



Cost

Tuition - \$0
(savings of approx \$500)

Textbooks and materials - \$100-250

5 Apprenticeship credits