

WE135

Pre-employment Welder Practicum

3 Credits

Instructor: Roxene Lockhart
Phone: 780 853 8536
Original Developer: Wayne Gochee
Current Developer: Roxene Lockhart
Reviewer: Graham Hammel
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2602 - 59 Avenue, Lloydminster, Alberta, Canada T9V 3N7. Ph: 780 871 5700
5707 College Drive, Vermilion, Alberta, Canada T9X 1K5. Ph: 780 853 8400
Toll-free in Canada: 1 800 661 6490



WE135 Version: 2



Pre-employment Welder Practicum

Calendar Description

This course is a 4 week block of work experience upon the completion of initial classroom studies. The student is assigned to a training position within the welding industry. This practicum provides the student an opportunity to observe and contribute to the day-to-day operations of a welder under normal operating conditions. The primary objective is to obtain the basic skills necessary to function safely in the workplace and complete assigned tasks.

Rationale

This is a required course for Pre-employment Welding students. This course is designed to allow the student to transfer the skills developed in the classroom/lab setting to an actual work site. The practical work skills developed are essential to finding permanent employment.

Prerequisites

MA116, SA120, WE115, WE117, WE118, and WE119

Co-Requisites

None

Course Learning Outcomes

Upon successful completion of this course, students will be able to (under the supervision of a qualified journeyman)

1. perform on-the-job tasks utilizing learned safety skills.
2. perform on-the-job tasks including cutting, light duty fabrication, use of SMAW, GMAW, FCAW, or OAW process, and other duties as assigned by the industry supervisor.

Resource Materials

Textbook materials are not required.

For reasons of safety, the student requires all personal protective equipment as needed by industry. Generally this includes:

- CSA approved steel toe boots
- Safety glasses or goggles
- Coveralls
- Welding helmet
- Welding beanie

- Hearing protection
- Welding gloves

Conduct of Course

Lakeland College instructional staff will assign suitable training facilities for each student. Under the direction of the location supervisor, the student participates in the operation of the job site.

The student is expected to serve in much the same fashion as would be required of an entry level employee. There is no remuneration for the work experience gained through this course.

Transportation to the work site is the responsibility of the student.

The student is covered by Workers' Compensation and the Lakeland College General and Umbrella Liability Insurance policies.

Evaluation Procedures

Successful completion is on a Pass/Fail basis determined jointly by Lakeland College and the industry supervisor. A Work Experience form is completed by the industry supervisor.

Using a grading key:

1. Needs Practice
2. Average
3. Proficient

The industry supervisor grades the student in the performance of the following Skills & Knowledge:

- A. Safety** – Applies accident prevention principles and practices to promote injury-free work performance.
- B. Quality Control** – Complies with company quality control standards.
- C. Cutting Process** – Demonstrates ability to cut metal with power tools or with oxy-acetylene and/or plasma arc cutting.
- D. General Welding** – Demonstrates ability to weld with Shield Metal Arc Welder or Gas Metal Arc Welder or Flux Cored Arc welder.
- E. Communication Skills** – Shows ability to communicate with co-workers, to listen to supervisor(s), and to ask questions when in doubt. Shows ability to work as a team member.
- F. General Attitude** – Demonstrates appropriate work ethics, attitude, and self-motivation. Demonstrates stamina and desire to perform in the work situation. Maintains a standard of dress and grooming acceptable to the work situation and company.

Monitoring of work experience in the Pre-employment program is completed by the respective instructor. During the work experience each student is visited a minimum of one time on-site and each student and industry supervisor is also contacted by phone. More on-site monitoring is provided if necessary to address concerns raised by the student or the industry supervisor.

Grade Equivalents and Course Pass Requirements

This is a pass/fail course.

Attendance

Attendance is absolutely essential to achieve the field experience and the interpersonal skill development intended in this course. Punctual, uninterrupted daily attendance is a job expectation. Exceptions are at the discretion of the field supervisor, and ultimately Lakeland College.

A 90% attendance in the program is required to pass this course.

Course Units/Topics

The student is given duties as assigned by a supervisor of the work place for this practicum.



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