



# 2022-2023 Certificate

**Certificate:** **INDUSTRIAL/MOBILE HYDRAULIC MECHANIC (90-412-1)**

**Credits:** **14 Credits**

**Description:** In this certificate, program students will learn the fundamentals of repairing and maintaining industrial/mobile hydraulic equipment. This equipment includes diesel, gasoline, LPG and electric forklifts and aerial equipment including scissors lifts, straight and knuckle boom lifts, as well as diesel and gasoline powered light duty construction equipment. This certificate will focus on the hydraulic, electrical, and mechanical systems on these various types of equipment. Safety and operation will be stressed in the courses as well.

**Related program:** Diesel Equipment Technology

The sequence shown is the recommended path to completion. Courses will be scheduled in the terms indicated here. All courses should be taken in the order shown to help you stay on track and graduate according to your academic plan. Courses in this program may be offered in a variety or combination of formats (for example: in-person, video conferencing, online, etc.).

### REQUIRED COURSES

NOTE: Requisites (prereq- before/ coreq-with)

**K-E = Kenosha/evening F=Fall, S=Spring, SU=Summer**

| ✓ | Term One                                 | Cr.       | Prerequisite | Corequisite | K-E |
|---|--|-----------|--------------|-------------|-----|
|   | 412-121 Shop Tools and Safety Principles | 2         |              |             | F   |
|   | 461-120 Small Power Equipment            | 3         |              |             | F   |
| ✓ | Term Two                                 | Cr.       |              |             |     |
|   | 412-118 I/C Engines                      | 3         |              |             | S   |
|   | 412-119 Mobile Electrical Systems        | 3         |              |             | S   |
|   | 412-120 Mobile Hydraulic Systems         | 3         |              |             | S   |
|   | <b>Total Credits</b>                     | <b>14</b> |              |             |     |

NOTE: Students must complete a certificate program with a minimum of a 2.0 Program GPA.