



2015-2016 Internal 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

Campuses Available: Horizon Center

REQUIRED COURSES

✓	<u>Semester One</u>	<u>Credits</u>	<u>Prerequisite</u>	<u>Corequisite</u>
<input type="checkbox"/>	412-121 Shop Tools and Safety Principles	2		
<input type="checkbox"/>	461-120 Small Power Equipment	3		
<input type="checkbox"/>				
<input type="checkbox"/>				
✓	<u>Semester Two</u>	<u>Credits</u>	<u>Prerequisite</u>	<u>Corequisite</u>
<input type="checkbox"/>	412-118 I/C Engines	3		
<input type="checkbox"/>	412-119 Mobile Electrical Systems	3		
<input type="checkbox"/>	412-120 Mobile Hydraulic Systems	3	412-121	
<input type="checkbox"/>				
<input type="checkbox"/>				
Total Credits		14		

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

NOTE: Prerequisites can be waived with departmental approval.