

Heavy Equipment Repair (HER.AAS)

Associate in Applied Science

Engineering/Manufacturing and Industrial Technology

Auburn Hills Campus

A heavy equipment repair technician is responsible for the efficient, timely, and proper repair on a variety of heavy-duty construction and road equipment. The technician must be knowledgeable in repair of all systems used in heavy equipment including diesel engines, fuel systems, powertrain, electronics, and hydraulics. The technician must be able to diagnose problems, plan repairs including required labor and parts, and then complete the repair. Repairs must be completed, with consideration to safety, MIOSHA, and environmental guidelines. A repair technician must be able to work with a minimum of supervision, as repairs may be made off-site. Attention to detail and a sense of responsibility are required. Students completing the major requirements are eligible to apply for a certificate in Heavy Equipment Repair.

Program Plan Example - Click Here (<https://www.oaklandcc.edu/programs/plans/2021/H/her.aas.2021.pdf>)

Code	Title	Credit Hours
Major Requirements		
AUT 1000	Automotive Fundamentals	4
AUT 1800	Automotive Air Conditioning & Heating Service	4
HER 1100	Service Writing and Equipment Orientation	6
HER 1120	Heavy Engine Rebuild Orientation	6
HER 1250	Heavy Equipment Electronics Orientation	5
HER 1300	Equipment Hydraulics Orientation	6
HER 1350	Diesel Fuel Systems Orientation	4
HER 1400	Equipment Powertrain Orientation	5
WEL 1111	Welding for the Non-Career Welder	3
Required Supportive Courses		
BUS 1100	Introduction to Business	4
or HER 2000	Heavy Equipment Cooperative Internship Orientation	3
Total Credit Hours for Program-Related Courses		46-47
General Education Requirements		
Communication / English (3-credits)		3

Complete 3 credits from Communication/English courses listed in the General Education Distribution List (http://catalog.oaklandcc.edu/graduation-requirements/general-education-distribution/#communication-english)	3
Fine Arts / Humanities (3-credits)	3
Complete 3 credits from Fine Arts/Humanities courses listed in the General Education Distribution List (http://catalog.oaklandcc.edu/graduation-requirements/general-education-distribution/#fine-arts-humanities)	3
Mathematics / Science (3-credits)	3
Complete 3 credits from Mathematics/Science courses listed in the General Education Distribution List (http://catalog.oaklandcc.edu/graduation-requirements/general-education-distribution/#mathematics-science)	3
Social Science (3-credits)	3
Complete 3 credits from Social Science courses listed in the General Education Distribution List (http://catalog.oaklandcc.edu/graduation-requirements/general-education-distribution/#social-science)	3
Written Communication (3-credits)	3
Complete 3 credits from Written Communication courses listed in the General Education Distribution List (http://catalog.oaklandcc.edu/graduation-requirements/general-education-distribution/#written-communication)	3
Total Credit Hours	61-62

A minimum cumulative 2.00 grade point average (GPA) overall is required for graduation.