

Heavy Equipment Repair (HER)

HER 1100 Service Writing and Equipment Orientation6 Credit Hours

English/ESL Placement: Placement into ENG 1060 or higher (or placement into ESL 2510 or higher for students taking the ESL sequence of courses).

Prerequisite: AUT 1000

This course is intended to give the student an overall review of legal and work responsibilities of an operator of heavy construction equipment. Safety, inspections, and orientation of equipment and operation standards for all major pieces of equipment will be stressed. BILLABLE CONTACT HOURS: 8

HER 1120 Heavy Engine Rebuild Orientation6 Credit Hours

English/ESL Placement: Placement into ENG 1060 or higher (or placement into ESL 2510 or higher for students taking the ESL sequence of courses).

Prerequisite: AUT 1000

This course will teach students how to disassemble, inspect, and reassemble a heavy-duty diesel engine. BILLABLE CONTACT HOURS: 9

HER 1250 Heavy Equipment Electronics Orientation5 Credit Hours

English/ESL Placement: Placement into ENG 1060 or higher (or placement into ESL 2510 or higher for students taking the ESL sequence of courses).

Prerequisite: AUT 1000

Students will learn how to diagnose and repair electrical problems on heavy-duty equipment. BILLABLE CONTACT HOURS: 6

HER 1300 Equipment Hydraulics Orientation 6 Credit Hours

English/ESL Placement: Placement into ENG 1060 or higher (or placement into ESL 2510 or higher for students taking the ESL sequence of courses).

Prerequisite: AUT 1000

Students will learn to diagnose and repair hydraulic problems found typically on heavy-duty construction equipment. BILLABLE CONTACT HOURS: 8

HER 1350 Diesel Fuel Systems Orientation4 Credit Hours

English/ESL Placement: Placement into ENG 1060 or higher (or placement into ESL 2510 or higher for students taking the ESL sequence of courses).

Pre- or Corequisite: AUT 1000

Students will learn how to diagnose and repair common fuel system failures found on heavy-duty diesel engines. BILLABLE CONTACT HOURS: 5

HER 1400 Equipment Powertrain Orientation 5 Credit Hours

English/ESL Placement: Placement into ENG 1060 or higher (or placement into ESL 2510 or higher for students taking the ESL sequence of courses).

Pre- or Corequisite: AUT 1000

Students will learn how to identify, inspect, disassemble, assemble, and repair powertrain components in heavy-duty equipment. BILLABLE CONTACT HOURS: 7

HER 2000 Heavy Equipment Cooperative Internship Orientation3 Credit Hours

English/ESL Placement: Placement into ENG 1060 or higher (or placement into ESL 2510 or higher for students taking the ESL sequence of courses).

Prerequisite: HER 1100 HER 1120 HER 1250 HER 1300 HER 1350 HER 1400 and consent of program coordinator.

Students earn credits while employed performing duties associated with the heavy equipment operator or repair technician occupations. The student will work under the general supervision of an experienced equipment operator or repair technician and will learn current industry practices. The program coordinator must approve the training station and working conditions. BILLABLE CONTACT HOURS: 3