

LANSING COMMUNITY COLLEGE

Computer, Engineering/Manufacturing Industrial Technologies

Curriculum Code:
1055 (Effective Fall
2017 – Summer 2022)

Heavy Equipment Repair Technician A.A.S. Pathway

All Heavy Equipment Repair (HERT) courses are taught at AIS Construction, 3600 N. Grand River Ave. in Lansing. In addition, one of the courses may be taught by the AIS Construction staff.

Semester I	Course Title	Prerequisites	Credit/ Billing Hours
Writing Core Area - <i>Select 1</i>			
ENGL 124 (formerly WRIT 124)	Technical Writing	(Reading Level 5 and Writing Level 6) or AASD 105 concurrently	3 / 3
Program of Study Requirements			
HERT 110	Equipment Introduction	None	5 / 5
HERT 120	Heavy Engine Rebuild	None	6 / 6
WELD 102	Industrial/Construction Safety	Reading Level 3 and Writing Level 2	2 / 3
Credits			16 / 17
Semester II	Course Title	Prerequisites	Credit/ Billing Hours
Program of Study Requirements			
HERT 125	Heavy Equipment Electronics	None	5 / 5
HERT 140	Equipment Powertrain	None	5 / 5
WELD 103	Combination Welding	Reading Level 3 and Writing Level 2	4 / 6
Credits			14 / 16
Semester III	Course Title	Prerequisites	Credit/ Billing Hours
Program of Study Requirements			
HERT 135	Diesel Fuel System	None	4 / 4
HERT 145	Equipment Service Writing	None	4 / 4
Credits			8 / 8

Semester IV	Course Title	Prerequisites	Credit/ Billing Hours
Math Core Area - <i>Select 1</i>			
MATH 115	Technical Math II	(Minimum 2.0 in MATH 114 within 2 years or Math Level 5 within 2 years) and Reading Level 5	4 / 4
Communication Core Area - <i>Select 1</i>			
COMM 110 (formerly SPCH 110)	Oral Comm in the Workplace	(Reading Level 5 and Writing Level 6) or AASD 104 concurrently	3 / 3
Program of Study Requirements			
HERT 130	Equipment Hydraulics	None	6 / 6
Credits			13 / 13
Semester V	Course Title	Prerequisites	Credit/ Billing Hours
Science Core Area - <i>Select 1</i>			
BIOL 120	Environmental Science	(Reading Level 5 or AASD 105 concurrently) and Writing Level 6	4 / 6
Global Perspectives and Diversity Core Area - <i>Select 1</i>			
MGMT 234	Diversity in the Workplace	Reading Level 5 and Writing Level 6	3 / 3
Related Electives - <i>Select 1</i>			
HERT 210	Heavy Equipment Internship	Department Approval	3 / 3
MGMT 150	Managing Customer Relations	Reading Level 5 and Writing Level 6	3 / 3
WELD 105	Advanced ARC Welding	Minimum 2.0 in WELD 103 and Reading Level 3 and Writing Level 2	4 / 6
Credits			10-11 / 12-15
Total Credits			61-62 / 66-69