

**FERRIS STATE UNIVERSITY
COLLEGE OF ENGINEERING TECHNOLOGY**

Transfer Guide for

Lansing Community College

Associate Degree – Heavy Equipment Repair Technician
Into Heavy Equipment Service Engineering Technology

Home Page	Contact	Phone
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This is a guide for students who plan to transfer to Ferris State University. This guide is not intended to be a contract with Ferris. The information on this guide is subject to change; students should contact Ferris to keep informed of changes (see “contact” above). Final responsibility for verifying all transfer information lies with the student.

CAREER PATH

Increased use of heavy equipment in the agriculture, trucking, construction and auxiliary power industries has created a widespread need for qualified heavy equipment technicians. This need is projected to grow steadily, with a total work force of 150,000 by the year 2002. Estimates suggest less than half of the current demand for technicians in this industry is being met, so skilled graduates are already in high demand. Fleet maintenance, farm equipment, truck rental and construction equipment repair industries as well as independent repair shops are only some of the employers. Heavy equipment technicians also work at stationary power plants, marine engine companies and manufacturers of heavy equipment.

ADMISSION REQUIREMENTS FOR TRANSFER STUDENTS

1. Associate Degree in Heavy Equipment Technology
2. A minimum 2.3 GPA
3. MATH 115 Required

For assistance with the admission process, contact your transfer counselor at the community college or the transfer admissions officer at Ferris State University, Shari Chamberlain, at 1-800-4-FERRIS, chambers@ferris.edu

APPLICATION DEADLINES

It is recommended that students submit applications by January 15th prior to fall entry.

TRANSFER GUIDE

- Coursework in HEQT Major – In addition to the courses completed for the Associate Degree listed above, there may be other courses that can be completed at your college or another accredited college/university prior to transfer to Ferris that will meet requirements for the B.S. major. NOTE: **First, check with a Ferris Faculty Advisor or the Department Chair (listed above) for academic advising prior to completing these courses.**
- General Education Requirements – All students earning a B.S. degree at Ferris State University must complete the Ferris State University *General Education Requirements*. Some of these general education requirements may have been completed as part of your associate degree, while others may be completed in addition to the associate degree at your college or another accredited college/university prior to transfer to Ferris, and others can be completed after transferring to Ferris. **We suggest you first check with a Ferris Faculty Advisor or the Department Chair (listed above) for academic advising prior to completing these courses.**
- Students must complete a minimum of 30 credit hours at Ferris to meet graduation requirements.

FERRIS STATE UNIVERSITY COLLEGE OF ENGINEERING TECHNOLOGY

Recommended courses to take in preparation for transfer into Heavy Equipment Service Engineering Technology Degree

FSU Course	Lansing Community College	FSU Course Title	Cr. Hrs.
Major Courses for AAS Degree	Associates Degree in Heavy Equipment Repair Technician	AAS Degree courses in the major and related technical areas.	
ENGL 150	WRIT 121	Communications Competence: English I	
ENGL 250	WRIT 122	Technical & Career Writing or English 2	
MATH 116	MATH 114 & 115	Quantitative Skills:	
ELECTIVE		*1 Scientific Understanding: Complete one lab science course from the following subject areas: Biology, Chemistry, Geography, Physics, Physical Science, etc.	
Gen. Ed. Elective		*2 Cultural Enrichment: Complete one course from the following subject areas: Art, History, Humanities, Literature, Music, Foreign Language, etc.	
ELECTIVE		*3 Social Awareness: Complete one course from the following subject areas: Anthropology, Economics, Political Science, Psychology, Sociology, etc.	

*Contact the College of Engineering Technology educational counselor at Ferris State University if you have questions on specific transfer requirements. Email: nelsonv@ferris.edu, or call 231-591-2890.

REQUIRED DEGREE COURSE WORK				FSU Prerequisites
Course	Cr. Hrs.	FSU Course Title	LCC Equivalent	
Fall				
HSET 302	4	Fleet Management		
ACCT 201	3	Principles of Accounting 1	ACCG 210	MATH 110 (C-)
MATL 240	4	Introduction to Material Science		
COMM 221	3	Small Group Decision Making		
MATH 126	3	Algebra and Analytical Trigonometry	MATH 121 & 122	MATH 116 (C-)
Spring				
HSET 300	4	Applied Failure Analysis		MATL 240
PHYS 211	4	Introductory Physics 1	PHYS 221	MATH 116 (C-) or MATH 120 (C-)
CAHS 330	2	OSHA Laws & Regulations		
ECON 221	3	Principles of Economics 1	ECON 202	MATH 110 (C-)
Summer				
HSET 393	4	Industry Internship		
Fall				
HSET 460	4	Heavy Equipment Adv. Hydraulic Syst.		MATH 120/126
MGMT 301	3	Applied Management		
ELECTIVE	3	Directed Elective (300 level, consult with advisor)		
ELECTIVE	3	Cultural Enrichment (200 level or higher)	*2	
Spring				
HSET 403	4	Testing Systems & Analysis		
HSET 410	4	Interactive Electronic Cntrls		HEQT 271 HEQT 460
ENGL 311	3	Advanced Technical Writing		ENGL 211 or 250 (C-)
SURE 331	3	Ethics & Professionalism in EGRG/TECH		ENGL 150
ELECTIVE	3	Social Awareness Elective	*3	

You may visit the Ferris Transfer Equivalency website at: <http://www.ferris.edu/admissions/transfer/webpages>