

FERRIS STATE UNIVERSITY
COLLEGE OF ENGINEERING TECHNOLOGY
 Transfer Guide for
WAYNE COUNTY COMMUNITY COLLEGE
 Associate Degree – Heavy Equipment Maintenance Technology
Into Heavy Equipment Service Engineering Technology

| Home Page | Contact | Phone |
|---|---|--|
| http://www.ferris.edu/cot/ | Matthew McNulty, Program Coordinator School of Automotive & Heavy Equipment College of Engineering Technology HEC-101 Big Rapids MI 49307 E-Mail: mcnultm1@ferris.edu | 1-800-4-FERRIS or (231) 591-2810 |

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. MATH 113 required
3. ENG 110; ENG 120 or 134 required
4. PHY 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 | Wayne County Community College | FSU Course Title | Cr. Hrs. |
|------------------------------|--------------------------------------|--|----------|
| Major Courses for AAS Degree | Associates Degree in Heavy Equipment | AAS Degree courses in the major and related technical areas. | |
| ENGL 150 | ENG 110 | Communications Competence: English I | |
| ENGL 211 or ENGL 250 | ENG 134 or ENG 120 | Technical & Career Writing or English 2 | |
| MATH 115 | MATH 113 | Quantitative Skills: | |
| PHYS 130 | PHY 115 | *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 | Wayne County CC Equivalent | |
| Fall | | | | |
| HSET 302 | 4 | Fleet Management | | |
| MATL 240 | 4 | Introduction to Material Science | MGT 205 | |
| ACCT 201 | 3 | Principles of Accounting 1 | ACC 110 | MATH 110 (C-) |
| COMM 221 | 3 | Small Group Decision Making | | |
| MATH 126 | 4 | Algebra and Analytical Trigonometry | MATH 155 & 156 | MATH 116 (C-) |
| Spring | | | | |
| HSET 300 | 4 | Applied Failure Analysis | | MATL 240 |
| PHYS 211 | 4 | Introductory Physics 1 | PHY 235 | MATH 116 or 120 (C-) |
| CAHS 330 | 2 | OSHA Laws & Regulations | | |
| ECON 221 | 3 | Principles of Economics 1 | ECO 101 | MATH 110 (C-) |
| Summer | | | | |
| HSET 393 | 4 | Industry Internship | | |
| Fall | | | | |
| HSET 460 | 4 | Heavy Equipment Advanced Hydraulic Systems | | MATH 126, HEQT 160 |
| MGMT 301 | 3 | Applied Management | | |
| ELECTIVE | 3 | Directed Elective (300 level, consult with advisor) | | |
| ELECTIVE | 3 | Cultural Enrichment (200 level or above) | *2 | |
| Spring | | | | |
| HSET 403 | 4 | Testing Systems and Analysis | | |
| HSET 410 | 4 | Interactive Electronic Controls | | 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>