

McHenry County College (McHenry)
 Transfer Guide

AET is an instructional program that prepares individuals to apply basic engineering principles and technical skills in support of engineers and other professionals engaged in developing, manufacturing and testing self-propelled ground vehicles and their systems. Includes instruction in vehicular systems technology, design and development testing, instrument calibration, test equipment operation and maintenance, and report preparation.

Course requirements that can be completed at McHenry

McHenry Course	Ferris Equiv	McHenry Course Title	McHenry Credit Hours
AMT 120	AUTO 113	Automotive Electricity/Electronics	4
AMT 140	AUTO 114	Auto Engine Technology	4
AMT 160	AUTO 213	Automotive Electronic Fundamentals	4
AMT 170	AUTO 111	Manual Drive Train & Axles	4
AMT 180	AUTO 115	Auto Steering Chassis Suspension	4
AMT 200 & AMT 260	AUTO 117	Computerized Auto Systems & Adv Diagnostics/Driveability	4
AMT 220	AUTO 112	Auto Brake Systems	4
AMT 250	AUTO 291	Automotive Cooperative Internship	4
MAT 165	MATH 126	College Algebra/Trigonometry	3
SPE 151	COMM 121	Introduction to Speech	3
ENG 151	ENGL 150	Composition I	3
ENG 152	ENGL 250	Composition II	3
PHY 280	PHYS 211	General Physics I	3
CHM 165	CHEM 121	General Chemistry 1	4
Varies	Varies	FSU General Education – Culture Electives	6
Varies	Varies	FSU General Education – Self and Society Electives (At least one Self and Society class must be at Ferris' 200 level or above)	9
Varies	Varies	At least one class or a combination of classes must meet the required designations of FSU General Education - Diversity	Varies

Total McHenry Credits **65**

FSU General Education Requirements can be found at: [Ferris General Education Requirements](#). Students are encouraged to work with an advisor to select appropriate general education courses.

Course requirements that will need to be completed at Ferris State University

Ferris Course	Ferris Course Title	Ferris Credit Hours
AUTO 310	Engine Air Flow Analysis	3
AUTO 320	Dynamometer Analysis	3
AUTO 450	Automotive Fuels & Lubes	3
AUTO 460	Emission Systems	3
AUTO 480	Alternate Fuel & Vehicle Systems	3
AUTO 493	Internship	4
ENGL 311	Advanced Technical Writing	3
MATH 130	Advanced Algebra – Analytical Trigonometry	4
MATH 216	Applied Calculus	4
MATL 240	Intro to Material Science	4
MATL 341	Material Science Metals	3
MECH 212	Kinematics & Mechanisms	2
MFGE 321	Metrology	3
MFGE 341	Quality Science Statistics	3
MFGE 342	Statistical Process MFGE	3
MFGE 442	Design of Experiments	3
PDET 322	Model & Prototype Development	2
PDET 413	Fluids/Thermodynamics	3
PDET 415	Advanced Solid Modeling	2
SURE 331	Ethics-Prof in Engineering Technology	3

Total Credits Required for Degree **126**

Program Offered at:

Main Campus, Big Rapids

College of Engineering Technology

<http://catalog.ferris.edu/catalog/2016-2017/program/4983>

auto@ferris.edu

www.ferris.edu/transfer

General Admission Criteria

Transfer Students – Big Rapids Main Campus

- Combined college or university GPA of 2.50 (on a 4.0 scale) from all institutions attended (GPA is based on completion of 12 credit hours or more). It is highly recommended that transfer credits include the FSU equivalency of ENGL 150, MATH 115, and the FSU equivalency of a social awareness or cultural enrichment course OR general education requirements. Developmental courses are not considered in computing the GPA requirement.
- Transfer equivalency for FSU ENGL 150 or placement during the first semester at FSU that would require an ACT English score of 16 or higher; Compass score 70 – 100.
- Transfer equivalency for FSU MATH 115 or placement during the first semester at FSU that would require an ACT Math score of 19 or higher; Compass Algebra score 46 - 74 and HS Algebra with 2.0.

Advising Notes

It is recommended that potential applicants meet with an advisor to review the degree, course schedule, and have any questions answered prior to completing an application. Students who are completing the MTA may have different general education course requirements for the particular degree selected. Meeting with a Ferris advisor prior to the selection of general education or elective course work may reduce the chance of completing a course that will not apply toward the selected degree. Once admitted, students must continue to meet with an advisor as they work toward graduation. Students are encouraged to work with their Ferris Advisor for selection of any electives, to ensure transferability and to minimize credits taken.

Transfer Student Orientation

All new students to Ferris State University are required to complete an orientation.

Online Learning

Select courses are delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at the Ferris Main Campus or at an off-campus location). The "Online Readiness Tutorial" is required for students who register for an online *course* or are completing an online *degree*. Students must demonstrate competency in Blackboard skills. This may be done by taking a tutorial and quiz, or, for students who have already taken and passed online courses, submitting a waiver request. Students should check with the department that offers the class to determine its particular needs and/or the Ferris advisor regarding registration for online course work.

Disclaimer

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 their community college or Ferris to keep informed of changes. Final responsibility for verifying all transfer information lies with the student. Please refer to effective and/or revised date on the bottom of this guide.