

Joliet Junior College - IL

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 Joliet Junior College

Joliet Course	FSU Equiv.	Joliet Course Title	Cr. Hrs.
AS 206	AUTO 111	Manual Transmissions & Drivelines	3
AS 204	AUTO 112	Automotive Brake Systems	3
AS 104 & AS 212 & AS 114	AUTO 113 & AUTO 213	Automotive Electricity/Electronics & Chassis Electrical/Electronics	4
AS 102	AUTO 114	Automotive Engines	3
AS 112	AUTO 115	Suspension, Steering, Alignment Services	3
AS 116	AUTO 117	Electronic Fuel Management Systems	3
AS 108 & AS 118	AUTO 200	Service Area	6
ENG 101	ENGL 150	English 1	3
ENG 102	ENGL 250	English 2	3
PHYS 101	PHYS 211	Introductory Physics 1	4
MATH 119	MATH 116	Int. Algebra/Numerical Trigonometry	4
		FSU General Education – Self and Society Electives (At least one Self and Society class must be at the 200 level or above)	3
		FSU General Education – Culture Electives	6
		At least one class or a combination of classes must meet the required designations of FSU General Education - Diversity	

Total Joliet Junior College Credits

52

Please refer to FSU's General Education Requirements at: <http://www.ferris.edu/htmls/academics/gened/index.htm> .

Ferris Course	Ferris Course Title	Cr. Hrs.
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
CHEM 114	Intro to General Chemistry	4
COMM 221	Small Group Decision Making	3
ENGL 311	Advanced Technical Writing	3
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
MATH 126	Algebra & Analytical Trig.	4
MATH 216	Applied Calculus	4
PDET 322	Model & Prototype Development	2
PDET 413	Fluids/Thermodynamics	3
PDET 415	Advanced Solid Modeling	2
Varies	FSU General Education - Self & Society Electives	6
SURE 331	Ethics-Prof in Engineering Technology	3

Total Ferris Credits

74

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.

Transfer Student Orientation

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

Online Learning

Select courses 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, they can submit 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 the effective and/or revised date on the bottom of the guide.