

**FERRIS STATE UNIVERSITY
COLLEGE OF ENGINEERING TECHNOLOGY**

Transfer Guide for
MOTT COMMUNITY COLLEGE
Into Automotive Engineering Technology

Home Page	Contact	Phone
http://www.ferris.edu/cot/	Russell Leonard, Program Coordinator School of Automotive & Heavy Equipment College of Engineering Technology AUT-101 Big Rapids MI 49307 E-Mail: leonardr@ferris.edu	1-800-4-FERRIS or (231) 591-2655

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.

ADMISSION REQUIREMENTS FOR TRANSFER STUDENTS

1. 2.5 GPA
2. Math Placement: (FSU MATH 116)

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.

GENERAL EDUCATION REQUIREMENTS

*1 Scientific Understanding: Complete one lab science course from the following subject areas: Biology, Chemistry, Geography, Physics, Physical Science, etc.
*2 Cultural Enrichment: Complete one course from the following subject areas: Art, History, Humanities, Literature, Music, Foreign Language, etc.
*3 Social Awareness: Complete one course from the following subject areas: Anthropology, Economics, Political Science, Psychology, Sociology, etc.

For further information regarding general education requirements, please see the link below.
<http://www.ferris.edu/htmls/academics/gened/courses.html>

FERRIS STATE UNIVERSITY
COLLEGE OF ENGINEERING TECHNOLOGY
Recommended courses to take in preparation for transfer into
Automotive Engineering Technology Degree

REQUIRED DEGREE COURSE WORK				FSU Prerequisites
Term / Course	Credit Hours	FSU Course Title	Community College Equivalent	
Year 1-Fall				
AUTO 111	4	Manual Transmissions & Drivelines	AUTO 118 or 131	
AUTO 112	4	Automotive Brake Systems	AUTO 116 or 151	
AUTO 113	4	Automotive Electricity/Electronics	AUTO 110 or 161	
ENGL 150	3	English 1	ENGL 101	
FSUS 100	1	FSU Seminar	Not Needed if transferring 12+ credits	
Year 1-Spring				
AUTO 114	4	Automotive Engines	AUTO 111 or 212 or 214	
AUTO 115	4	Suspension, Steering, Alignment Services	AUTO 115 or 141	
AUTO 117	4	Electronic Fuel Management Systems	AUTO 182	AUTO 113
MATH 116	4	Intermediate Algebra/Numerical Trig.		ACT 19 or MATH 110
Year 2-Fall				
AUTO 213	4	Chasis Electrical/Electronics	AUTO 210	AUTO 113
MATL 240	4	Intro to Material Science		MATH 116
ENGL 250	3	English 2	ENGL 102 or 104	ENGL 150
CHEM 114	4	Introduction to General Chemistry	CHEM 118	
Year 2-Spring				
AUTO 200	6	Service Area		C- in AUTO 111, 112, 113, 114, 115, 117
PHYS 211	4	Introductory Physics 1	PHYS 281	C- in Math 116
Elective	3	Cultural Enrichment	*2	
Elective	3	Social Awareness Elective	*3	
Year 3- Fall				
AUTO 310	3	Engine Air Flow Analysis		AUTO 114, 117 MATH 116
MATL 341	3	Material Science Metals		MATL 240
MFGE 341	3	Quality Science Statistics		MATH 116
MATH 126	4	Algebra & Analytical Trig.		MATH 116
ENGL 311	3	Advanced Technical Writing		ENGL 250
Year 3-Spring				
AUTO 320	3	Dynamometer Analysis		AUTO 114, 117, 310 MATH 116
MFGE 342	3	Statistical Process		MFGE 341 MATH 116
COMM 221	3	Small Group Decision Making		
MATH 216	4	Applied Calculus		C- in MATH 126 or 130
Elective	3	Cultural Enrichment Elective	*2	
Year 4-Fall				
AUTO 450	3	Automotive Fuels & Lubes		Senior Status CHEM 114, MATH 126
MFGE 442	3	Design of Experiments 1		MFGE 341, MATH 116
PDET 322	2	Model & Prototype Development		
PDET 413	3	Fluids/Thermodynamics		MATH 116
Elective	3	Cultural Enrichment (200 level or above)	*2	
Elective	3	Social Awareness	*3	
Year 4-Spring				
AUTO 460	3	Emission Systems		Senior Status CHEM 114, MATH 126
AUTO 480	3	Alternate Fuel and Vehicle System		Senior Status

				CHEM 114, MATH 126
MECH 212	2	Kinematics & Mechanisms		MATH 216, PHYS 211
MFGE 321	3	Metrology		
PDET 415	2	Advanced Solid Modeling CAD		PDET 322
Elective	3	Social Awareness (200 level or above)	*3	
Year 4-Summer				
AUTO 493	4	Internship		

*Contact the College of Engineering Technology educational counselor at Ferris State University if you have questions on specific transfer requirements. 231-591-2890.