

**FERRIS STATE UNIVERSITY**  
**COLLEGE OF ENGINEERING TECHNOLOGY**

Transfer Guide for

**MOTT COMMUNITY COLLEGE**

Associate Degree - Mechanical Engineering Technology  
**Into Mechanical 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**

A product designer begins with a concept, and then transforms it into a working design that specifies the size, shape, style, dimensions, and materials needed. Because this skill is needed for the production of millions of industrial and consumer goods, designers are in great demand. Their knowledge of design, engineering analysis manufacturing processes and communication techniques are valued in industries across the United States.

**ADMISSION REQUIREMENTS FOR TRANSFER STUDENTS**

1. Associate degree in related program.
2. 2.75 GPA in major coursework
3. 2.5 GPA in Math
4. MATH 164 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](mailto:chambers@ferris.edu)

**APPLICATION DEADLINES**

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

**TRANSFER GUIDE**

- Coursework in MECH 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  
**Mechanical Engineering Technology Degree**

FSU Course	MOTT Community College	FSU Course Title	Cr. Hrs.
Major Courses for AAS Degree	Associates Degree in Mechanical Engineering Technology	AAS Degree courses in the major and related technical areas.	
ENGL 150	ENGL 101	<b>Communications Competence:</b> English I	3
ENGL 250	ENGL 102	English 2	3
MATH 216	MATH 164	<b>Quantitative Skills:</b>	6
PHYS 211	PHYS 281	<b>*1 Scientific Understanding:</b> Complete one lab science course from the following subject areas: Biology, Chemistry, Geography, Physics, Physical Science, etc.	4
Gen. Ed. Elective		<b>*2 Cultural Enrichment:</b> Complete one course from the following subject areas: Art, History, Humanities, Literature, Music, Foreign Language, etc.	3
Gen. Ed. Electives		<b>*3 Social Awareness:</b> Complete one course from the following subject areas: Anthropology, Economics, Political Science, Psychology, Sociology, etc.	3

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

REQUIRED DEGREE COURSE WORK				FSU Prerequisites
Course	Cr. Hrs.	FSU Course Title	MOTT Equivalent	
<b>Fall</b>				
MATL 240	4	Introduction to Material Science	MATL 150	
PHYS 212	4	Introductory Physics 2	PHYS 282	
MFGE 341	3	Quality Science Statistics		C- in MATH 116, 120, or 126
MECH 330	3	Heat Transfer		MATH 216 or 220, MECH 223
COMM 121	3	Public Speaking	COMM 131 or 132	
<b>Spring</b>				
MECH 360	3	Dynamics		MATH 216 or 220, JR MECH
MATH 226	4	Fourier Series & Appl Dif. Eqn.		MATH 216
MECH 332	3	Mechanical Measurements/Mechatronic		MECH 211, MFGE 341, EEET 201
MFGE 423	2	Engineering Economics		MATH 116, 120, or 126
MECH 322	2	Computer Application 2 for MET		MECH 340; MECH 122 or ISYS 105; MATH 216 or 220
<b>Summer</b>				
MECH 393	4	Industrial Internship		
<b>Fall</b>				
MECH 440	3	Noise & Vibration		MATH 216
MECH 421	4	MET Senior Lab		MECH 330, EEET 215
MFGE 341	3	Quality Science Statistics		MATH 116
ELECTIVE	3	Approved Technical Elective		
ELECTIVE	3	Social Awareness (200 level or above)	<b>*3</b>	
<b>Spring</b>				
MECH 499	3	MET Senior Project		Senior Status, MECH 421, ENGL 311 co-req
ENGL 311	3	Advanced Technical Writing		ENGL 250 or 211
ELECTIVE	3	Approved Technical Elective		

ELECTIVE	3	Cultural Enrichment Elective (200 level or above)	*2	
ELECTIVE	3	Social Awareness Elective	*3	