

**FERRIS STATE UNIVERSITY  
COLLEGE OF ENGINEERING TECHNOLOGY**

Transfer Guide for  
**Muskegon Community College**  
Associate in Applied Science Degree – Welding Technology  
**into Welding 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**

The welding program is designed to produce plant-level welding engineering technology graduates who are involved in the concept, design, and engineering of weldments and implementation of welding process. This overall knowledge of weldments and the ability to engineer welding and joining systems produces graduates who are in great demand and highly compensated.

**ADMISSION REQUIREMENTS FOR TRANSFER STUDENTS**

1. Associate in Welding Technology
2. Minimum 3.0 GPA
3. MATH 050 + MATH 111 or TMAT 201 required,  
(MATH 111 + 112 or TMAT 201 + 202 preferred)
4. PHY 201 required
5. DFT 100 required
6. ELTC 101 required
7. MET 201 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**

Application for admission submitted by February 15<sup>th</sup> prior to fall term requested. Applications will include fall semester grades and current winter schedule (if applicable). Transfer students will be admitted in the order they are received provided all admissions requirements are met and program space is available. Admission status will be tentative pending review of graduation and final grade/course information status. Should space in the program not be available, qualified transfer applicants will be placed on a waiting list and admitted as openings occur in the order they were received.

**TRANSFER GUIDE**

- Coursework in WELE 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 residency and graduation requirements.

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

FSU Course	Muskegon Comm. College	FSU Course Title	Cr. Hrs.
Major Courses for AAS Degree	AAS Degree in Welding Technology	AAS Degree courses in the major and related technical areas.	
ENGL 150	ENG 101 or BCOM 101	English I	3
ENGL 250	ENG 102 or BCOM 102	English 2	3
MATH 116	MATH 050 + MATH 111 or TMAT 201	Intermediate Algebra and Trigonometry	4
PHYS 211	PHY 201	Introductory Physics I	4
ETEC 140	DFT 100	Engineering Graphics Comprehension	3
MATL 240	MET 201	Material Science	4
EEET 201	ELTC 101	Electrical Fundamentals	3
Gen. Ed. Elective		<b>*Cultural Enrichment:</b> Complete one course from the following subject areas: Art, History, Humanities, Literature, Music, Foreign Language, etc.	3
Gen. Ed. Elective		<b>*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	Muskegon CC Equivalent	
<b>Fall</b>				
WELD 311	4	Welding Automation and Robotics 1	N/A	Junior Status
WELD 312	3	Design of Weldments	N/A	Junior Status
WELD 212	4	Quality Testing	N/A	Junior status
EEET 301	3	Controls for Automation	N/A	EEET 201
MATH 126	4	Algebra and Analytical Trigonometry	TMAT 201 + 202 or MATH 111 + 112	MATH 116
CHEM 121	5	Intro to General Chemistry	CHEM 101 + 101A	CHEM 103 or HS Chem.
<b>Spring</b>				
WELD 321	4	Welding Automation and Robotics 2	N/A	WELD 311
WELD 322	3	Advanced Resistance Welding	N/A	Junior Status
MATH 216	4	Applied Calculus	MATH 161	MATH 126
MECH 340	4	Statics and Strengths of materials	N/A	MATH 126 PHYS 211
ENGL 311	3	Advanced Technical Writing	N/A	ENGL 250
<b>Summer</b>				
WELD 393	4	Internship	N/A	WELD 321 and 322
<b>Fall</b>				
MFGE 353	3	Statistical Quality Control	N/A	MATH 116
WELD 412	4	Computer Aided Weldment Design	N/A	MECH 340 WELD 393
WELD 411	3	Advance Welding Processes	N/A	WELD 393
COMM 121	3	Fundamentals of Public Speaking	COM 201	
ELECTIVE	3	*Social Awareness Elective		
<b>Spring</b>				
WELD 422	3	Material Science	N/A	WELD 393
WELD 499	3	Project Engineering and Management	N/A	WELD 412
ELECTIVE	3	*Social Awareness (200 or higher)		
ELECTIVE	3	*Cultural Enrichment		
ELECTIVE	3	*Cultural Enrichment (200 or higher)		

You may visit the Ferris Transfer Equivalency website at: <http://www.ferris.edu/admissions/transfer/webpages>