

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

Transfer Guide for  
**Fox Valley Technical College**  
Associate Degree – Industrial Welding Technician  
**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 804-115 required, 804-116 recommended
4. PHYS 806-143 required
5. 457-156 required (engineering graphics)
6. 621-150 required (electrical fundamentals)
7. 621-116 required (material science)

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 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 graduation requirements.

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

FSU Course	Fox Valley Technical College	FSU Course Title	Cr. Hrs.
Major Courses for AAS Degree	Industrial Welding Technician	AAS Degree courses in the major and related technical areas.	
ENGL 150	801-195	<b>Communications Competence:</b> English I	3
ENGL 211	801-197	Technical & Career Writing	3
MATH 116	804-114 or 804-115	<b>Quantitative Skills:</b>	4
PHYS 211	806-143	<b>*1 Scientific Understanding:</b> Complete one lab science course from the following subject areas: Biology, Chemistry, Geography, Physics, Physical Science, etc.	4
ETEC 140	606-113	Engineering Graphics Comprehension	3
MATL 240	621-116	Material Science	4
EEET 201	621-150	Electrical Fundamentals	3
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. Elective		<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	Fox Valley Equivalent	
<b>Fall</b>				
WELD 212	4	Quality Testing (Transfer Students Only)		Junior Status
WELD 311	4	Welding Automation & Robotics 1		Junior Status
WELD 312	3	Design of Weldments		Junior Status
EEET 301	3	Computers for Automation		EEET 201
MATH 126	4	Algebra & Analytical Trigonometry	804-116	MATH 116 or ACT 24
CHEM 114	4	Intro to General Chemistry		CHEM 103 or H/S Chemistry
<b>Spring</b>				
WELD 321	4	Welding Automation and Robotics 2		WELD 311, 312
WELD 322	3	Advanced Resistance Welding		WELD 311, 312
MECH 250	2	Fluid Power with Controls		MATH 116
ENGL 311	3	Advanced Technical Writing		ENGL 250 or 211
MATH 216	4	Applied Calculus	804-181	MATH 126 or ACT 26
<b>Summer</b>				
WELD 393	4	Internship		WELD 321 and 322
<b>Fall</b>				
MFGE 353	3	Statistical Quality Control		MATH 116
WELD 412	4	Computer Aided Weldment Design		MECH 340
WELD 411	3	Advance Welding Processes		WELD 393
COMM 121	3	Fundamentals of Public Speaking	801-198	WELD 393
ELECTIVE	3	Social Awareness Elective	<b>*3</b>	
<b>Spring</b>				
WELD 422	3	Material Science		WELD 411, 412
WELD 499	3	Project Engineering & Management		WELD 411, 412
ELECTIVE	3	Social Awareness (200 level or above)	<b>*3</b>	
ELECTIVE	3	Cultural Enrichment	<b>*2</b>	
ELECTIVE	3	Cultural Enrichment (200 level or above)	<b>*2</b>	

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