

Established in 1984, the nationally recognized Welding Engineering Technology program is the largest of its kind in the United States. The 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 processes. This overall knowledge of weldments and the ability to engineer welding and joining systems produces graduates who are in great demand and highly compensated. As recognition of academic excellence and program quality, in August 2008 the Welding Engineering Technology program was granted TAC-ABET Accreditation from the Technology Accreditation Committee (TAC) of ABET.

General Admission Criteria

To be admitted to this degree program, students must have completed an Associate degree in Welding Technology with a minimum GPA of 3.0 (on a 4.0 scale) in major coursework. Completion or competency in the following Ferris courses, or their equivalents is required: MATH 121 & 122, PHYS 221, CADD 104, ELCT 111, and PMMT 190. It is recommended that students submit applications by January 15th prior to fall entry. Official transcripts from all accredited colleges/universities must be submitted with the Ferris application.

Course Requirements

Lansing Community College			
Course	Ferris Equiv.	LCC Course Titles	Cr. Hrs.
Pre-admission Classes			
LCC	Varies	AAS in Welding Technology	
WRIT 121	ENGL 150	English I	4
WRIT 122 or	ENGL 250	English II	4
WRIT 124	ENGL 211	Industrial and Career Writing	3
MATH 112	MATH 115	Intermediate Algebra	4
MATH 121	MATH 130	Precalculus I and II	4
MATH 122		Precalculus	4
PHYS 221	PHYS 211	Introductory Physics I	4
CADD 104	ETEC 140	Descriptive Geometry	3
PMMT 190	MATL 240	Metallurgy & Heat Treat	4
ELCT 111 or	EEET 201	Electrical Fundamentals	6
ELCT 109		Dc Circuits	3
ELCT 110		AC Circuits	3
LCC	Varies	FSU General Education - Culture Elective	3
LCC	Varies	FSU General Education – Self and Society Elective	3
Program Classes			
CHEM 151	CHEM 121	Gen Chem Lec I	5
CHEM 161		Gen Chem Lab I	
MATH 151	MATH 220	Calculus 1	4
SPCH 130	COMM 121	Fundamentals of Public Speaking	3
LCC	Varies	FSU General Education - Culture Elective	3
LCC	Varies	FSU General Education – Self and Society Elective	3
LCC	Varies	FSU General Education - Culture Elective (200+ level)	3
LCC	Varies	FSU General Education – Self and Society Elective (200+ level)	3
Total Lansing Community College Credits Varies			

Ferris State University		
Course	Ferris Course Titles	Cr. Hrs.
WELD 311	Welding Automation & Robotics 1	4
WELD 312	Design of Weldments	3
EEET 301	Computers for Automation	3
WELD 321	Welding Automation and Robotics II	4
WELD 322	Advanced Resistance Welding	3
MECH 250	Fluid Power with Controls	2
ENG 311	Advanced Technical Writing	3
WELD 393	Internship	4
MFGE 353	Statistical Quality Control	3
WELD 412	Computer Aided Weldment Design	4
WELD 411	Advance Welding Processes	3
WELD 422	Welding Metallurgy	3
WELD 499	Project Engineering & Management	3
Total Ferris Credits		42
Credits Required for Degree (Minimum)		134

Program Offered at:
Main Campus, Big Rapids
 College of Engineering Technology
<http://www.ferris.edu/HTML/colleges/>
 (231) 591-2511
 or weldingdegrees@ferris.edu

www.ferris.edu/transfer

FSU General Education Requirements can be found at:

<http://www.ferris.edu/HTMLS/academics/gened/index.htm>.

Students transferring to Ferris with the Michigan Transfer Agreement (MTA) and entering a degree program will have met a 30-hour block of lower-level general education courses. However, this does not exempt students from completing program specific prerequisites or higher-level general education course requirements. Students should contact their advisor regarding classes that meet the MTA.

Students are encouraged to work with their Ferris advisor for selection of any electives, to ensure transferability and to minimize credits taken.

Effective Fall 2017

Ferris State University is an equal opportunity institution. For information on the University's Policy on Non-Discrimination, visit ferris.edu/non-discrimination.

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.

Reverse Transfer Agreement

The Community College and Ferris have entered into a partnership in order to work collaboratively and creatively to increase student completion of associate and bachelor degrees. The partners work together to provide a seamless transfer experience and increase student retention and completion at both the community college and Ferris.

Michigan Transfer Agreement (MTA)

Ferris participates in the Michigan Transfer Agreement (MTA). This agreement will facilitate the transfer of general education requirements from one Michigan institution to another. Students may complete the MTA as part of a degree program or as a stand-alone package. The MTA consists of a minimum of 30 general education credit hours as identified by the college or university.

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.