

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

Transfer Guide for  
**Southwestern Michigan College**  
Associate Degree - Mechatronics Technology  
**Into Electrical-Electronics Engineering Technology**

Home Page	Contact	Phone
<a href="http://www.ferris.edu/cot/">http://www.ferris.edu/cot/</a>	Murry Stocking, Program Coordinator College of Engineering Technology School of Computer, Electrical, Energy, Mechanical & Surveying Systems SWN 405 Big Rapids, MI 49307 E-Mail: <a href="mailto:stockinm@ferris.edu">stockinm@ferris.edu</a>	1-800-4-FERRIS or (231) 591-2388

*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**

Engineering technologists who graduate from this program are in demand to work for manufacturers, consultants, and plant operations in areas of control systems integration, design, research and development, customer relations and sales, testing, instrumentation and design, among others.

**ADMISSION REQUIREMENTS FOR TRANSFER STUDENTS**

1. Associate degree in electronics related area

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 EEET 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

### Electrical-Electronics Engineering Technology Degree

FSU Course	SMC course	FSU Course Title	Cr. Hrs.
	Associate Degree in Mechatronics Technology	AAS Degree courses in the major and related technical areas.	
ENGL 150	ENGL 103	<b>Communications Competence:</b> English I	3
ENGL 250	ENGL 104	<b>English 2</b>	3
MATH 116	MATH 131	<b>Intermediate Algebra</b>	3
MATH 126 or MATH 130	MATH 136	<b>Algebra &amp; Analytical Trigonometry</b>	4
PHYS 211	PHYS 101	<b>*1 Scientific Understanding:</b> Complete one lab science course from the following subject areas: Biology, Chemistry, Geography, Physics, Physical Science, etc.	4
COMM 121	SPEE 102	<b>Fund of public speaking</b>	3
MECH 250	INTE 159	<b>Fluid Power</b>	2
PHYS 212	PHYS 102	<b>Physics II</b>	4
ETEC 140	INTE140+ CADD101	<b>Cad elective</b>	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.	
Gen. Ed. Electives		<b>*3 Social Awareness:</b> Complete one course from the following subject areas: Anthropology, Economics, Political Science, Psychology, Sociology, etc.	

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

REQUIRED DEGREE COURSE WORK				FSU Prerequisites
Course	Cr. Hrs.	FSU Course Title	SMC Equivalent	
<b>Fall</b>				
ELECTIVE	4	EEET Concentration Elective 1		
MATH 216	4	Applied Calculus	MATH 141	C- in MATH 126
ENGL 311	3	Advanced Technical Writing		
EEET 212	4	Digital II (Needed for assoc degree)		
<b>Spring</b>				
ELECTIVE	4	EEET Concentration Elective 2		
MATH 226	4	Fourier Series/Applied Differential Equations		MATH 216
ELECTIVE	3	Cultural Enrichment Elective	*2	
EEET 221	3	Troubleshooting (Needed for assoc degree)		
ECNS 322	3	PC Data Acquisition (Needed for assoc deg)		
<b>Summer</b>				
EEET 393	4	Internship		Dept Approval
<b>Fall</b>				
ECNS 311	3	High Level Programming		MATH 116
EEET 321	3	Network Analysis		MATH 226 pre-req, EEET 124
EEET 418	2	Project Management		Senior or Dept. Approval
ELECTIVE	4	EEET Concentration Elective 3		
ELECTIVE	2	Directed Elective (2 or more credits)		
ELECTIVE	3	Social Awareness Elective	*3	
<b>Spring</b>				
EEET 428	2	Senior Project		EEET 418
ELECTIVE	4	EEET Concentration Elective 4		
ELECTIVE	2	Technical Science Elective (2 or more credits)		
ELECTIVE	3	Cultural Enrichment (200 Level or above)	*2	
ELECTIVE	3	Social Awareness (200 Level or above)	*3	

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

For concentration elective , go to EET website of contact program office.