

**Western Dakota Technical Institute (WDTI)
Transfer Guide**

The HVEM degree addresses designing, retrofitting, testing, and balancing on a problem-solving level and prepares the HVEM engineering technologist to fill a wide technological gap between the service technicians and engineers. Challenging careers abound on a national level with firms who look for trained HVEM engineering technicians for a variety of positions: application and/or project engineering, systems control, estimating, engineering, field technician, systems reps, marketing, control systems training, and HVEM in-plant engineering.

General Admission Criteria

To be admitted to this degree, students must have completed the Associate of Applied Science Degree in an HVACR Engineering or related technical area or equivalent with a minimum GPA of 2.5 (on a 4.0 scale), and completion or competency in the following Ferris courses or their direct equivalents: ENGL 150, ENGL 250 or ENGL 211, MATH 115 or MATH 116, and four credit hours in a science course (lab or non-lab). Official transcripts from all accredited colleges/universities must be submitted with the Ferris application. Financial aid is available and may include concurrent enrollment at both institutions.

Course Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	WDTI Course	WDTI Course Title	WDTI Cr. Hrs.
HVAC Major Courses	Associate of Applied Science Degree in an HVACR Engineering or related technical area or equivalent (HVAC/Refrigeration Technology AAS)	Varies	HVACR Major Courses for AAS Degree	Associate of Applied Science Degree in an HVACR Engineering or related technical area or equivalent (HVAC/Refrigeration Technology AAS)	Varies
ENGL 150	English I	3	ENGL 101	Composition	3
ENGL 211	Industrial and Career Writing	3	ENGL 108 or ENGL 201	Workplace Communications 2 or Technical Writing 1	3
COMM 121	Fundamentals of Public Speaking	3	SPCM 101	Fundamentals of Speech	3
MATH 115	Intermediate Algebra	3	MATH 101	Intermediate Algebra	3
MATH 120	Trigonometry	4	MATH 120	Trigonometry	3
MATH 130 and MATH 1-Q	Adv. Algebra Analytical Trig and General Credit	3	MATH 102 and MATH 120	College Algebra and Trigonometry	6
MATH 116	Intermediate Algebra – Numerical Trig		MATH 104	Technical Mathematics	3
ECON 221	Principles of Macroeconomics	3	ECON 202	Principles of Macroeconomics	3
FSU	FSU Natural Sciences Electives; one course with a lab; from the following subject areas: Astronomy, Biology, Chemistry, Geology, Physical Science	7-8	WDTI	FSU or WDTI Natural Sciences Electives; one course with a lab; from the following subject areas: Astronomy, Biology, Chemistry, Geology, Physical Science	6 - 7
FSU	FSU Culture Electives (minimum 9 credits from 2 different disciplines with 1 course at 200 level; see advisor for assistance)	9	WDTI	FSU or WDTI Culture Electives (minimum 9 credits from 2 different disciplines with 1 course at 200 level; see advisor for assistance)	9
FSU	FSU Self and Society Electives (minimum 6 credits from 2 different disciplines with 1 course at 200 level; see advisor for assistance)	6	WDTI	FSU or WDTI Self and Society Electives (minimum 6 credits from 2 different disciplines with 1 course at 200 level; see advisor for assistance)	6

FSU General Education Requirements can be found at: [Ferris General Education Program](#)

Students are required to reach the Ferris MATH 126 or MATH 130 level. The path to MATH 126 is Ferris MATH 116 and MATH 126. The path to Ferris MATH 130 is MATH 115, MATH 120, and MATH 130.

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

Refer to HVACR website for current BS degree check sheet (course sequence guide)

Program Offered at:

Ferris Online

Toll Free at (800) 562-9130 | (231) 591-2340 | Ferris Online Email | Ferris Online Website

Main Campus - Big Rapids
College of Engineering Technology

(231) 591-2890 | (231) 591-3773 | HVACR Email | HVACR Website

Transfer Partnerships Website

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.

Effective Spring 2019

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