

## THE HVACR MISSION

HVACR provides quality education and training that emphasizes practical skills, and prepares the students to analyze, synthesize and solve problems. This is accomplished in state-of-the-art facilities with highly qualified instructors.

## HVACR PROGRAM REQUIREMENTS ADMISSIONS CRITERIA

Associate Degree: High school graduates with a 2.75 GPA, an ACT composite score of 18 and a minimum ACT math sub score of 19.

Bachelor's Degree: A.A.S. HVACR degree with a 2.5 GPA, including two semesters of English, one lab science course in physics, biology or chemistry (physics preferred), public speaking and intermediate algebra.

## CERTIFICATION

Ferris State University HVACR Institute certification (fully endorsed by the EPA - sections 608 and 609 of The Clean Air Act) are available through the Institute. Since 1993, the Institute has offered highly recognized products and quality services resulting in nearly 350,000 certified technicians and more than 1,000 nationally registered proctors.

## A CHECKLIST FOR ENROLLMENT INTO THE HVACR PROGRAM AT FERRIS STATE UNIVERSITY

1. Apply early. Fill out the online application at [www.ferris.edu/admissions/application](http://www.ferris.edu/admissions/application) and save the \$30 application fee.
2. Send ACT or SAT test scores to Ferris State University.
3. Send transcripts from high school or technical school and/or other college as appropriate.
4. Submit the Free Application for Federal Student Aid (FAFSA) after January 1. Be sure to indicate the FAFSA Ferris State University code, 002260, on the application.
5. Review the HVACR Web site: [www.ferris.edu/hvacr](http://www.ferris.edu/hvacr) for all of the latest information on monetary and tool scholarships.



## Visit

Schedule a visit to tour our facility, meet our faculty and talk to our students. Individual students, high school classes and tech school classes are welcome. Call Jill Trinklein at

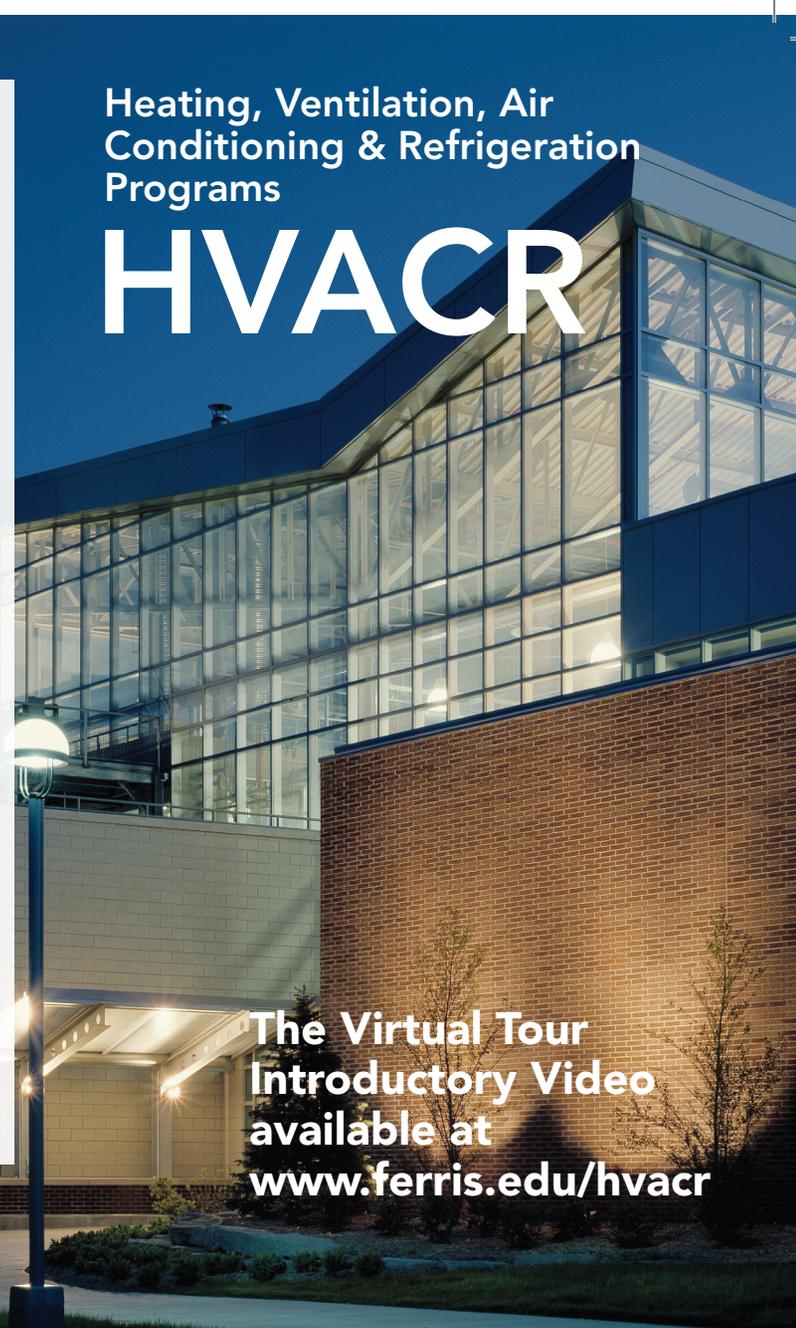
**(231) 591-2695**

or e-mail [trin12@ferris.edu](mailto:trin12@ferris.edu)

to schedule an appointment with Doug Zentz.

Heating, Ventilation, Air  
Conditioning & Refrigeration  
Programs

# HVACR



The Virtual Tour  
Introductory Video  
available at  
[www.ferris.edu/hvacr](http://www.ferris.edu/hvacr)



FERRIS STATE  
UNIVERSITY

Imagine More



FERRIS STATE  
UNIVERSITY

Imagine More

## The Granger Center for Construction and HVACR Virtual Tour

Imagine a building with see-through material, allowing all to observe the inner workings and mechanics of the structure. Plumbing, electrical, heating, cooling and structural components are open and visible in strategic locations. Instead of just learning about building elements, experience the actual components in action.



### HVACR Program Video

#### Learn about

- Associate in Applied Science: HVACR Technology
- Bachelor of Science: HVACR Engineering Technology



### FERRIS HVACR: FAST FACTS

The HVACR associate degree program, founded in 1945, and the bachelor's degree program founded in 1984, have evolved into nationally recognized programs. No other programs have the reputation and resources available.

#### Teacher to student ratio

One of the best student to teacher ratios at 15:1. Gain confidence you will need on the job by getting the one-to-one instruction in the classroom and lab.

#### Experience

Faculty with 120 years of combined industry experience inspire and empower students to become industry leaders.

#### Facility and learning

No other structure reinforces theory with practice. The visible mechanical, electrical and plumbing systems in the Granger Center bring the theory of the textbook to life. Students see and experience the systems in operation by using the new facility as a learning tool.

#### Career planning

HVACR promotes networking within the industry! HVACR students preparing for employment look forward to in-house instruction and counseling on resume preparation. In addition, mock interviews are held with industry representatives. Students enjoy nearly 100% placement after graduation.

### HVACR PROGRAM DEGREES

#### Associate Degree: HVACR Technology

This two-year, hands-on, service-oriented degree leads into careers as service technicians, installers, testing and balancing technicians and control technicians, as well as unlimited opportunities in technical sales, and residential and small commercial design.

#### Students learn

- principles of heating, air conditioning, ventilation and refrigeration.
- thermodynamics of refrigeration and air conditioning systems.
- systematic electrical and mechanical troubleshooting on real HVACR equipment.
- residential and commercial system load calculation and design.
- soldering and brazing techniques, pipefitting, drafting and blueprint reading.

#### Bachelor's Degree: HVACR Engineering Technology

This four-year degree follows the associate degree. Instruction is based on developing students for design or engineering technology careers. Students ladder into the Engineering Technology degree will develop hands on experience integrated with cutting-edge technologies to deliver expertise in

- system selection, load calculations, design, control, commissioning and operations.
- methods of energy efficiency evaluations on building envelopes and mechanical/electrical system operations.
- energy conservation measures (ECM) and operational and maintenance (O&M) items that promote green building design and operation.

[www.ferris.edu/hvacr](http://www.ferris.edu/hvacr)

### WHY FERRIS HVACR?

- It's all in the numbers! For every HVACR graduate, there are multiple jobs. Employment opportunities can be found in every state or country.
- Program graduates enjoy above average annual beginning salaries: Associate Degree – \$37,040  
Bachelor's Degree – \$53,000
- One of only two bachelor's degree programs in the country!

