

HOTTEST CAREER COOLEST PROGRAM

Get on the path to a hot career with our HVAC/R Technology program. You'll get the hands-on experience you need to master heating, cooling, ventilating and refrigeration systems – and prepare yourself for a wide variety of employment opportunities – in just two years.



WHY SHOULD I ENROLL IN THE NDSCS HVAC/R PROGRAM?

HVAC/R technicians are in high demand around the country, and that demand is expected to stay strong. With job availability expected to increase by 60% over the next 10 years, this sizzling career has great earning potential. So what are you waiting for? Earn your associate's degree in our hands-on program and jump into a rewarding career. You'll be ready to do anything from repairing heating units and maintaining supermarket refrigeration systems to troubleshooting electrical problems and planning indoor air quality systems for hospitals. Plus you'll earn a great salary while you're at it.

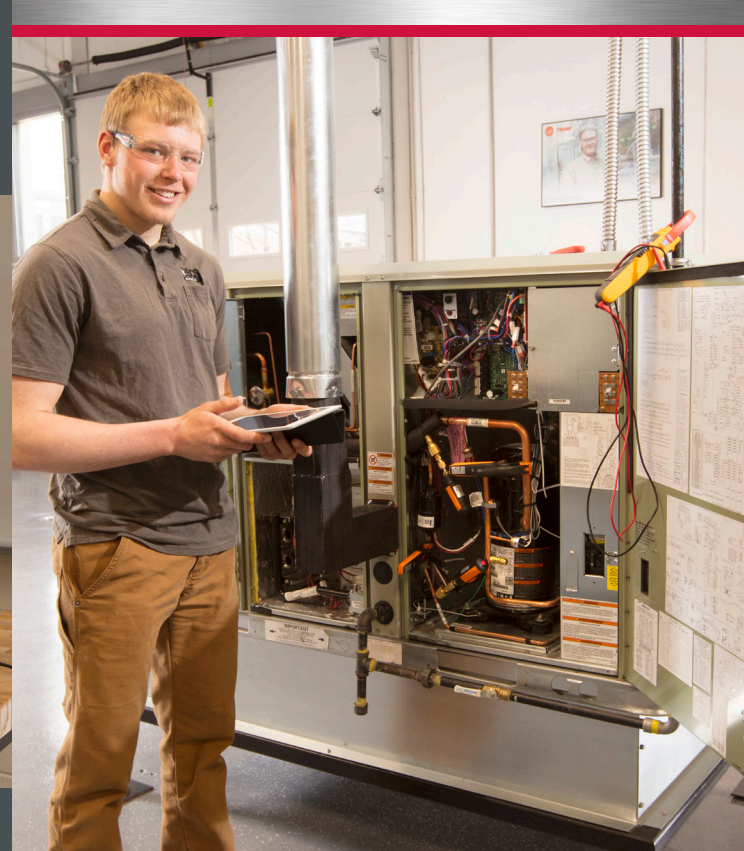
MEET THE FACULTY



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NDSCS

HVAC/R

The Science of Success.

NDSCS.edu/HVACR

HVAC/R TECHNOLOGY

Heating, Ventilating,
Air Conditioning & Refrigeration

NDSCS.edu/HVACR

NDSCS

NORTH DAKOTA STATE COLLEGE OF SCIENCE

HVAC/R TECHNOLOGY



WORLD-CLASS EDUCATIONAL FACILITIES

NDSCS HVAC/R Trane® Center for Excellence Labs

In 2017, NDSCS opened a state-of-the-art instructional facility for its Heating, Ventilating, Air Conditioning and Refrigeration Technology program. The world-class lab and classroom were made possible through a combination of public and private funds and donations. Students in the HVAC/R Technology program now train on the latest technology used by industry, enabling them to gain the skills needed for technically advanced careers.

The NDSCS HVAC/R instructional areas boast:

- 8 rooftop units
- 6 water source heat pumps
- 5 commercial air handlers
- 10 variable air volume boxes
- Air-Fi™ wireless controls
- Tracer® SC system controllers
- 12,000 square feet of lab space
- 36 residential furnaces & air handlers
- 17 residential air to air heat pumps
- 25 residential air conditioners
- Over 80 commercial refrigeration systems

INDUSTRY CERTIFICATION

Through a partnership with the National Coalition of Certification Centers (NC3), NDSCS offers its HVAC/R students many certifications to demonstrate that they have been educated to industry standards. Our HVAC/R program instructors are NC3 Certified Master Instructors and are certified to deliver Trane Residential (4), Copeland Refrigeration (3), Ridgid Threading and Press Fitting (3) Building Automation Systems (BAS 1-5) curriculum to students.



Additional Certifications Available

- Environmental Protection Agency (EPA 608) Refrigerant Handling Certification



Total of 16 certifications inside of the Associate Degree program.

WHAT YOU'LL LEARN

- Electrical – control circuits, schematic diagrams, problem solving with electrical test equipment
- Sheet metal fabrication and piping
- Oil, gas and electrical heating system design, installation and service
- Air conditioning and refrigeration design, installation and service
- Heat pump system design, installation and service
- Building control system design, installation and service
- Hydronics
- Geothermal water source heat pumps



90% PLACEMENT*

HVAC/R CAREER PATHS

- Commercial installation and service
- Industrial installation and service
- Residential installation and service
- Sales
- Design
- Maintenance
- Self-employment

SALARY POTENTIAL

- \$4,333 – highest starting monthly salary of a 2022 NDSCS HVAC/R graduate*
- \$3,929– average starting monthly salary of a 2022 NDSCS HVAC/R graduate*
- Salaries advance rapidly as the technician gains experience and skills with the opportunity to earn \$75,000-\$100,000 annually

*Based on the 2022 North Dakota State College of Science Placement Report.