

HEATING VENTILATION & AIR CONDITIONING TECHNOLOGY

CAREER PATHS

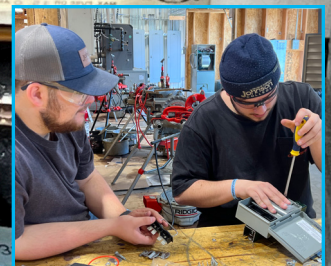
AIR CONDITIONING SERVICE TECHNICIAN
FIELD SERVICE TECHNICIAN
CONTROLS TECHNICIAN
HVAC/R INSTALLER
FURNACE FITTER/INSTALLER
REFRIGERATION SYSTEMS INSTALLER

SALARY

\$51,390*
MEDIAN ANNUAL INCOME

JOB GROWTH

2022-2032: 6%*



SCAN FOR YOUR FUTURE

HEATING, VENTILATION & AIR CONDITIONING TECHNOLOGY



PROGRAM OBJECTIVE

The Heating Ventilation and Air Conditioning program is to provide students with the skills needed for entry-level positions in the installing, repairing and troubleshooting various heating and cooling equipment. Students will work with industrial standard tools associated with equipment such as oil and gas furnaces, refrigeration units, and air conditioning equipment.

READY. SET. WORK.

- Goal 1:** Graduates will possess the skills necessary to obtain an entry-level HVAC Technician position.
- Goal 2:** Graduates will demonstrate safe HVAC practices and obtain an understanding of the significance of safety procedures in the HVAC environment.
- Goal 3:** Graduates will be able to perform entry-level troubleshooting and preventative maintenance on various Heating, Air Conditioning and Refrigeration systems.

Applicants are encouraged to arrange a campus visit and a personal information session with a Recruitment Advisor. Appointments may also be made to meet with appropriate faculty and current students.

CAREER OPPORTUNITIES

Employment opportunities consist of HVAC installers, controls technicians, service technicians, maintenance mechanics, plumbers, engineers, programmers, research development, management, sales, and dispatch. But let's be clear – this is an exciting, evolving field that requires hard work, dedication, innovation and creative problem solving.

PROGRAM COURSES

CREDITS

SEMESTER 1

Introduction to Pipefitting	2
Introduction to Electricity for the Trades	1
Introduction to Electricity for the Trades Lab	2
Microcomputer I	3
English Composition I	3
or Industry Communication	
College Algebra I and Trigonometry	3
First-Year Experience	1

SEMESTER 2

Fundamentals of Electricity	2
Fundamentals of Electricity Lab	2
Construction Elective	3
Refrigeration	2
Refrigeration Lab	4
Science Elective	3

SEMESTER 3

Contract Drawings	3
Communication Elective	3
Heating System Design & Installation	2
Heating System Design & Installation Lab	4
Air Conditioning Systems	2
Air Conditioning Systems Lab	2
EPA Section 608 Certification	1

SEMESTER 4

Introduction to Business	3
or Customer Service and Our World	
Motors and Controls	2
Motors and Controls Lab	4
Applied Practice and Special Topics Lab	4
or Internship	
Commercial HVAC/R	3
or Introduction to Building Automation Systems	

MINIMUM CREDITS TO GRADUATE **64**

This semester layout is based off of a fall start. Students who start in the spring will be required to attend an additional semester to complete their degree.

There may be special admission requirements for this program. Please speak with a Recruitment Advisor by calling **570-702-8856** or visit our website johnson.edu to review our requirements.