

# Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R)

The Hottest and Coolest Career Opportunities



## Education



Suffolk County Community College offers both a Certificate and an Associate in Applied Science degree program in Heating, Ventilation, Air Conditioning and Refrigeration.

Students will complete courses and gain experience in system design, diagnostics, pneumatics, installation, servicing and controls, troubleshooting and repair of electrical and mechanical systems and accessory units with real-life, hands-on training through internships and intensive laboratory sessions. Courses include Computer Applications in Technology, Refrigeration and Air Conditioning Systems, Heating Systems, Control Systems, Diagnostics and Servicing, Commercial Systems and System Design.

Suffolk County Community College offers affordable tuition, scholarships to eligible students, convenient day, evening and weekend classes, experienced instructors and professional training in the LEED-certified Workforce Development and Technology Center, which houses today's most advanced equipment and state-of-the-art learning spaces. **For more information, please contact the Michael J. Grant Campus Office of Admissions at (631) 851-6719.**

## Job Opportunities



Technicians



Installers



Mechanics

Working for an established corporation or owning your own business, job opportunities for recent graduates continue to be exceptional.

## Industries



Commercial and residential industries

## Work Environment

Homes, schools, hospitals, office buildings, and factories



## Salary



Salaries for this field vary and will be based on a number of factors such as geographic location, years of experience, education, function and job title, employer type, etc. According to the U.S. Department of Labor's Bureau of Labor Statistics (2016), the salaries in New York State range from \$32,000-\$72,000. Those operating their own businesses can earn much more.

Additionally, the Bureau reports that job prospects in the HVAC/R field are expected to be excellent, particularly for those with training from an accredited program, such as the one offered by Suffolk County Community College.

## Tasks



Using efficient and environmentally-friendly equipment, observe and test system operation using gauges and instruments; install, maintain and repair heating, ventilation, cooling and refrigeration systems that control temperature and air quality, including oil burners, hot-air furnaces and heating stoves; discuss system malfunctions with users and repair or service systems to improve efficiency.

## Necessary Knowledge and Skills



Analytical



Installation



Building & Construction



Mechanical



Computer



Operation Monitoring



Customer Service



Problem Solving



Electronics



Professionalism



Equipment Maintenance



Quality Control Analysis



Evaluation & Design



Troubleshooting



Hands-on



Visualization

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