

# FOCUS ON

# HVAC MECHANICS AND INSTALLERS

Houston Gulf Coast Region\*

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## GET A GOOD GRIP ON A HANDS-ON CAREER ...

Would you like a job where you can work with your hands and challenge your mind?

Do you like working with high-tech tools, as well as with the old reliable ones – pliers, wrenches, and screwdrivers? If so, you might be a perfect fit for a career as a Heating, Air conditioning & Refrigeration (HVAC) mechanic or installer.

Climate control systems are found in virtually every home and business, especially here in Texas, where the summers are hot and humid.

The demand for qualified HVAC mechanics with advanced skills is on the rise as newer systems become more high-tech. There are many job opportunities working with systems in private homes and in commercial offices, industrial complexes, manufacturing plants, restaurants, hotels, and more.



Qualified heating, air conditioning, and refrigeration mechanics and installers (HVAC mechanics and installers) are in short supply everywhere, especially here in the Gulf Coast region. This shortage translates into outstanding career opportunities for individuals who are just entering the workforce.

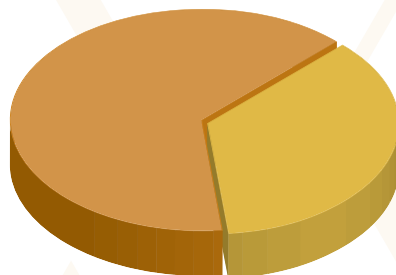
### Factors contributing to the shortage:

- The population is growing and new buildings need HVAC systems
- Commercial and residential building owners want to increase efficiency of their existing HVAC systems because of rising energy costs
- Many HVAC mechanics and installers are approaching retirement age
- Not enough young people are encouraged to seek out technical training in the field

## CONSERVATIVE ESTIMATES SHOW THAT THE REGION NEEDS MORE THAN 300 HVAC MECHANICS AND INSTALLERS EVERY YEAR.

Annual Job Openings – Gulf Coast Region

Due to Growth  
205 Jobs



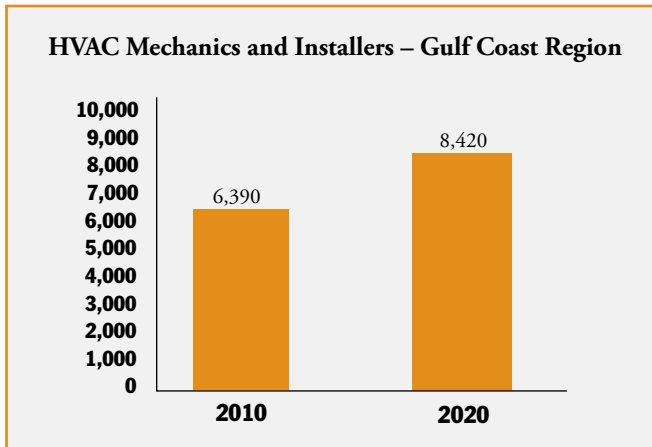
Due to Replacement  
115 Jobs

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For more information, visit us on the Web at [wrksolutions.com](http://wrksolutions.com)  
Latest data available as of June 2013.

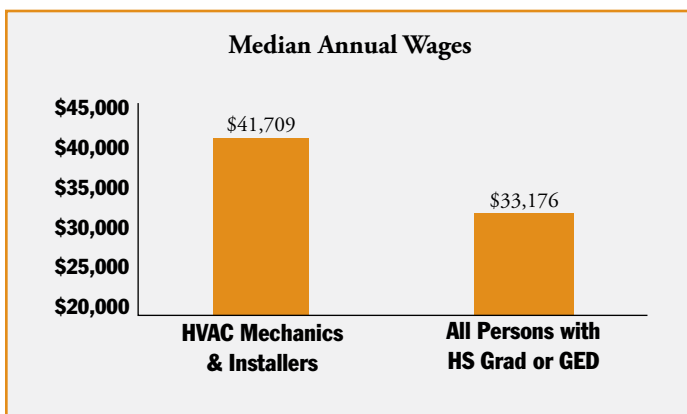
\*Includes the following counties: Austin, Brazoria, Chambers, Colorado, Fort Bend, Galveston, Harris, Liberty, Matagorda, Montgomery, Walker, Waller, and Wharton.

# FOCUS ON HVAC MECHANICS & INSTALLERS

**THERE ARE EXPECTED TO BE MORE THAN 8,000 HVAC MECHANIC AND INSTALLER JOBS IN THE GULF COAST REGION BY THE YEAR 2020.**



**HVAC MECHANICS AND INSTALLERS EARN HIGHER WAGES THAN OTHER PERSONS WITH SIMILAR EDUCATION LEVELS!**

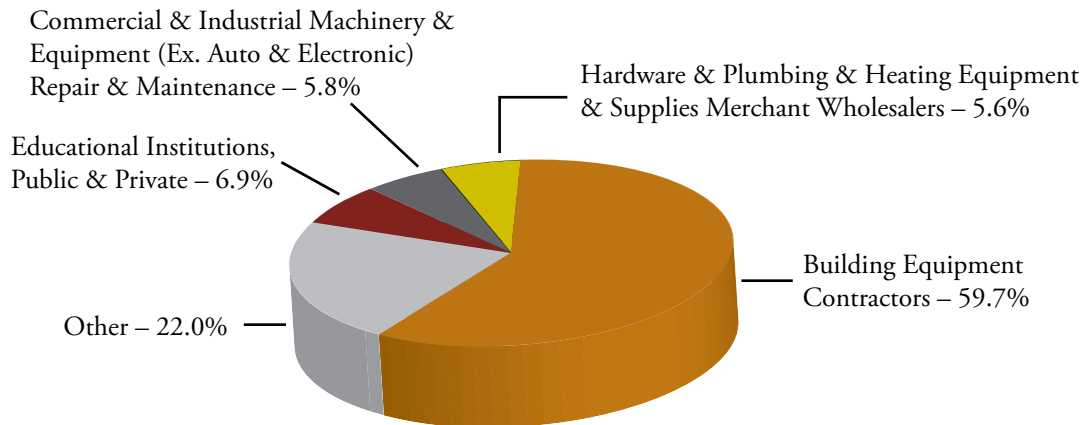


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**HVAC MECHANICS AND INSTALLERS ARE IN DEMAND ACROSS MANY INDUSTRIES.**

## HVAC Mechanic and Installer Jobs – Gulf Coast Region 2020



### WHAT KIND OF HVAC MECHANIC AND INSTALLER CAREERS ARE THERE?

- Residential construction, maintenance, and repair
- Commercial construction, maintenance, and repair
- Industrial construction, maintenance, and repair

### HOW DO YOU BECOME AN HVAC MECHANIC AND INSTALLER?

HVAC mechanics and installers work both indoors and outdoors. They can be found at construction sites, in homes, and in businesses or factories. The work may be strenuous at times and some people may have to travel to job sites. HVAC mechanics and installers are required to obtain a certification from the Environmental Protection Agency ([www.epa.gov](http://www.epa.gov)), and register with the Texas Department of Licensing and Regulation ([www.license.state.tx.us](http://www.license.state.tx.us)). In the Gulf Coast region, there are two options for HVAC mechanic and installer training: (1) Training programs at community colleges; and (2) Training programs at vocational-technical institutes.

# FOCUS ON HVAC MECHANICS & INSTALLERS

## PREPARING FOR A HVAC MECHANIC AND INSTALLER CAREER\*

9th Grade	Suggested Coursework		
	English I	World Geography	<b>Career-Related Electives:</b> Construction Systems or Introduction to Construction Careers
	Algebra I	Languages other than English I	
	Biology	Health/PE or Equivalent	
10th Grade	Suggested Coursework		
	English II	World History	<b>Career-Related Electives:</b> Architectural Drafting I or Architectural Graphics or Home Maintenance & Improvement or Building Maintenance I or Drafting I or Technology Systems
	Geometry	Languages other than English II	
	Chemistry	Technology Applications	
11th Grade	Suggested Coursework		
	English III	United States History	<b>Career-Related Electives:</b> Building Trades I or Architectural Drafting II or Career Preparation or Building Maintenance II
	Algebra II	Communication Applications	
	Physics	PE or Equivalent	
12th Grade	Suggested Coursework		
	English IV	Government/Economics	<b>Career-Related Electives:</b> Building Trades II or Career Preparation
	Precalculus	Fine Arts	
	Environmental Systems		

\*Source: AchieveTexas.org

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## GULF COAST REGION HVAC MECHANIC AND INSTALLER PROGRAMS

### COMMUNITY COLLEGES THAT MAY OFFER TRAINING (DEPENDING ON DEMAND)

- Brazosport
- College of the Mainland
- Houston Community College System
- Lee College
- Lone Star College
- San Jacinto College
- Wharton County Junior College



### MAJOR EMPLOYERS IN THE GULF COAST REGION

- Accurate Air Systems
- American Residential Services
- Atlas Comfort Systems
- Carrier Corporation
- Encompass Mechanical Service
- Graco Mechanical, Inc.
- Graves Mechanical, Inc.
- Houston Comfort Air Conditioning
- J R Hobbs Air Conditioning
- Letsos Company
- Mesa Mechanical Inc
- Raven Mechanical Inc
- RDS Air Conditioning & Heating
- Systems Commissioning Inc
- TD Industries

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