

Why a career in Heating/Air Conditioning Systems Design?

- ➔ Long term growth in energy saving technologies
- ➔ Heating, Ventilating & Air Conditioning (HVAC) jobs are staying here and not going overseas
- ➔ Graduate employment rate: 100%*
- ➔ Career possibilities are increasing each year
- ➔ You can work almost any place in the world

*Source: This information is based on the 2012 Dunwoody Employment Report

What you should know about a career in the Heating/Air Conditioning Systems Design field

1. Every building and home world-wide has someone who designs a heating and/or air conditioning system for it. The market demand for these design skills is real.
2. There is a growing need for persons to evaluate, create and renovate new and existing HVAC systems to achieve energy savings in our homes and businesses.
3. Buildings and homes account for about 40% of the total energy consumption in the U.S. (DOE 2010 Building Energy Databook).
<http://buildingsdatabook.eren.doe.gov/TableView.aspx?table=1.1.3>
4. Dunwoody's Heating/Air Conditioning Systems Design program is more valuable than ever.

What the Dunwoody Heating/Air Conditioning Systems Design program can do for you

- Prepare you for a long term rewarding career in a growing, fast paced multi-billion dollar industry.
- Provide a quality program recognized by the industry and employers for over 60 years that results in excellent placement opportunities and starting salaries.
- Train you in the technical knowledge required to utilize mechanical engineering skills to design and produce working drawings of HVAC systems.
- Provide the skills you need to perform heating and cooling load calculations, HVAC equipment selections and energy analysis manually and with current industry software programs.
- Give you the ability to be productive the very first day of your career.

What kinds of positions are available for you?

- HVAC Mechanical Designer -design HVAC, plumbing, piping or fire protection systems for commercial and residential buildings.
- Estimator- Mechanical Contracting firm-Submit pricing of HVAC designs for construction projects.
- Project Manager- Supervise the construction and installation of HVAC equipment on building projects.
- Sales and Marketing-represent various HVAC products and equipment to the HVAC industry for use in design and installation.

- Inspectors-Persons employed to ensure that standards and regulations are followed as stated by codes or government agencies.

What is the future outlook for persons employed in the Heating/Air Conditioning Systems Design field?

- Jobs in the HVAC industry are predicted to increase in the 21st century as demand grows for industrial, residential and commercial climate control systems that save energy.
- Continued construction and renovation of residential and commercial buildings requires more individuals who understand the design and operation of HVAC systems.
- Technical jobs are one of the fastest growing segments of the economy. The HVAC industry offers well-paying careers. A secure future awaits you!
- Long term sustainable design (green building) occupations will continue to be in demand well into the future. <http://online.onetcenter.org/link/summary/17-2199.03>

Affiliated HVAC organizations:

1. Active student organizations:
ASHRAE (American Society of Heating, Refrigeration and Air Conditioning Engineers) <http://www.ashrae.org/>
ASHRAE Student Branch: <http://www.ashrae.org/students/>
2. Organizations associated with the Heating/Air Conditioning Systems Design program:
ACCA (Air Conditioning Contractors of America) <http://www.acca.org/>
ASPE (American Society of Plumbing Engineers) <http://aspe.org/>
USGBC (U.S. Green Building Council) <http://www.usgbc.org/>

Links to employers who hire graduates of the Dunwoody Heating/Air Conditioning Systems Design Program:

- AECOM- <http://www.aecom.com/What+We+Do/Building+Engineering>
- Michaud Cooley Erickson <http://www.michaudcooley.com/>
- HGA Architects and Engineers <http://www.hga.com/#home>
- Yale Mechanical Contractors <http://www.yalemech.com/>