

## Career Education

### Air Conditioning, Heating and Refrigeration Technology-TC

Jobs in refrigeration and air conditioning installation, maintenance, service, sales and operation can be found in every aspect of the commerce, industry, and home ownership. The skills obtained from this program will prepare you for jobs ranging from that of the semi-skilled worker who performs the operational and maintenance tasks, to a plant superintendent who is responsible for the operation and maintenance of mechanical systems that may cost several million dollars.

An obstacle that lies in the path of the individual who hopes to acquire the needed basic and technical education to qualify for a good job in refrigeration and air conditioning is the fact that this is an industry with many specialized branches. In fact, the field is so broad that no one person could encompass it in its entirety. For this reason, the ambitious individual who seeks a career in this field should acquire a basic education that will form a solid foundation for the technical education needed to qualify for a good job.

This technical certificate can be applied toward an Associate of Applied Science in General Technology degree.

#### Technical Certificate

### Air Conditioning, Heating, and Refrigeration Technology

**Total Program = 34 Credit Hours**

*The fourth digit in the course number indicates the number of credit hours.*

### Requirements - 34 hours

#### Requirements

ACR	1103	Electrical Motors and Components
ACR	1203	Gas Heating Systems
ACR	1204	Electric Circuits and Controls
ACR	2102	Air Distribution
ACR	2204	Materials
ACR	2304	Air Conditioning and Refrigeration Systems
ACR	2404	Air Conditioning and Refrigeration Components
COM	1003	Career Communications
IET	1002	Introduction to General Electronics I
IET	2002	Introduction to General Electronics II
MATH	1013	Technical Mathematics A, B, C, D, E, J, M and V

#### Department

Air Conditioning
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Career Communications
Industrial Electronics
Industrial Electronics
Mathematics

*Students may take a MATH course higher than MATH 1013. Students may take a COM course higher than COM 1003.*