

PROGRAM OF STUDY

COMMERCIAL GAS HEATING Certificate of Achievement

The COMMERCIAL GAS HEATING CERTIFICATE offers the students the opportunity to learn the academic, occupational, communication, and technical training skills needed by entry level technicians in the COMMERCIAL Heating, Air Conditioning, and Refrigeration industry. Students completing this certificate will develop multiple skills that include real-world knowledge of: Combustion theory and application, combustion analysis, equipment tools, heating systems and components, electrical troubleshooting, heating safety, fuel properties, carbon monoxide measurements, safety, and health effects, building pressure measurements, static pressure, pressure imbalances, combustion appliance zone testing, furnace installation and service. This curriculum was developed in collaboration with several community colleges and industry partners to provide a path to various COMMERCIAL Heating, Air Conditioning and Refrigeration career areas including, but not limited to: facilities maintenance, building engineer, manufacturing, design, installation, service, sales, and entrepreneurship.

Career Opportunities in Air Conditioning/HVAC

facilities maintenance, building engineer, manufacturing, design, installation, service, sales, and entrepreneurship.

Required Courses:

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| ACR 060 | Air Conditioning & Refrigeration I | 3 |
| ACR 064 | Air Conditioning & Refrigeration Electricity I | 3 |
| ACR 065 | Air Conditioning & Refrigeration Electricity II | 3 |
| ACR 076 | Facilities Maintenance - Chillers | 3 |
| ACR 080 | Gas Heating | 3 |
| ACR 084 | Boiler and Hydronic Heating | 3 |

Total Units

18

PID 265