

Air Conditioning and Refrigeration - Technical Certificate

The one-year certificate in Air Conditioning and Refrigeration is designed to prepare students for careers in this trade. Students will develop and practice skills for servicing, repairing, installing, and sizing air conditioning and refrigeration equipment for residential applications. All candidates for the Technical Certificate in Air Conditioning and Refrigeration will be required to take the HVAC Excellence Environmental Protection Agency Section 608 Certification Exam. Students wishing to enter this program should discuss their career objectives with the HVAC instructor and/or their advisor to ensure this is the appropriate track for them. A grade of C or above is required in each course.

Credit Hours

Division Requirements:

CE 11003 Workplace Essentials 3

Major Requirements:

HV 17004 Introduction to Air Conditioning 4
 HV 17013 Tubing, Pipe, and Welding 3
 HV 17024 HVAC Electricity 4
 HV 17033 Electrical Components and Motors 3
 HV 17043 Schematics 3
 HV 17054 Fundamentals of Gas and Electric Heat 4
 HV 17073 Residential Systems 3
 HV 17063 Airflow Dynamics 3
Total TC Program Credit Hours 30

TC General Technology – AC&R Minimum Scores Required			
	Math	English	Reading
ACT	13	11	11
Accuplacer	30A	52	33

Air Conditioning and Refrigeration - Certificate of Proficiency Program

The short-term certificate of proficiency in Air Conditioning and Refrigeration is designed to provide students the skills for an entry level technician position. The CP Program is offered both in the Fall and Spring Semesters. It is the first step in the career ladder for HVAC technicians. Students will learn the basics in HVAC electricity and the fundamentals of HVAC. Additionally, students will receive training in workplace skills to make them more employable. A grade of C or above is required in each course.

Requirements if taken in FALL SEMESTER

CE 11003 Workplace Essentials 3
 HV 17024 HVAC Electricity 4
 HV 17033 Electrical Components and Motors 3
 HV 17043 Schematics 3
 HV 17054 Fundamentals of Gas and Electric Heat 4
Total Certificate Hours 17

CP General Technology – AC&R Minimum Scores Required			
	Math	English	Reading
ACT	13	11	11
Accuplacer	30A	52	33

Requirements if taken in SPRING SEMESTER

CE 11003 Workplace Essentials 3
 HV 17004 Introduction to Air Conditioning 4
 HV 17063 Airflow Dynamics 3
 HV 17013 Tubing, Piping, Welding 3
 HV 17073 Residential Systems 3
Total Certificate Hours 16

For more information about ANC graduation rates, the median debt of students who completed the program, and other important information, please visit the ANC website at: <http://www.anc.edu/gainfulemployment/index.htm>