

Course ID	Course Name	Course Outcome
AIRC 10	Technical Mathematics in Air Conditioning and Refrigeration	<p>Course completers will apply Fan Laws to assess and successfully adjust air flow</p> <p>Course completers will be able to determine the correct refrigerant charge of a non-critcally charged system based on receiver design.</p>
AIRC 11	Welding for Air Conditioning and Refrigeration	<p>Course completers will safely operate welding equipment.</p> <p>Course completers will successfully join refrigerarant lines.</p>
AIRC 12	Air Conditioning Codes and Standards	<p>AIRC 12 course completers will be able to apply building codes to the installation of air conditioning and refrigeration equipment.</p> <p>Course completers will understand the structure and organization of the Uniform Mechanical Code</p>
AIRC 20	Refrigeration Fundamentals	<p>AIRC 20 course completers will evaluate the mechanical operation of an air conditioning system.</p> <p>AIRC 20 course completers will properly handle refrigerants</p>
AIRC 25	Electrical Fundamentals for Air Conditioning and Refrigeration	<p>AIRC 25 Course completers will understand the electrical sequence of operation for a five ton air conditioning system.</p> <p>Course completers will successfully use electrical meters commonly used in the Air Conditioning and Refrigeration industry.</p>
AIRC 26	Gas Heating Fundamentals	<p>AIRC 26b course completers will correctly evaluate the sequence of operation for a high efficiency</p> <p>AIRC 26B course completers will properly evaluate furnace installations</p>
AIRC 30	Heat Load Calculations	<p>AIRC 30 course completers will properly conduct a Heat Load calcualtion</p> <p>Course completers will properly select air conditioning equipment</p>
AIRC 31	Commercial Electrical for Air Conditioning and Refrigeration	<p>Completers will understand electrical sequence of operations of commercial refrigeration equipment.</p> <p>Students will monitor proper phasing for 3 phase power</p>
AIRC 32A	Air Properties and MEasurement	<p>AIRC 32a course completers will evaluate the operation of an air conditioning system based on the treatment of air across the evaporator.</p> <p>Course completers will be able to determine make-up air requirements for various commercial</p>
AIRC 34	Advanced Mechanical Refrigeration	<p>AIRC 34 course completers will evaluate the opertion of a commercial refrigeration system</p> <p>AIRC course completers will modify the operation of a commercial refrigertion system.</p>

AIRC 61	Building Automation Fundamentals	<p>AIRC 61 completers will understand the operation and function of the major components of a Central Plant.</p> <p>Method of Evaluation: Students will properly identify the major components that are critical to a AIRC 61 course completers will understand the application and use of general purpose controllers and application specific controllers.</p>
AIRC 65	Building Automation Networks and Programming	AIRC 65 completers will successfully understand the setup procedure for a general purpose controller.
AIRC 67	Energy Management	<p>AIRC 67 completers will successfully understand the proper use and application of a light level meter.</p> <p>AIRC 67 completers will understand the design of an energy model.</p>
AIRC 95	Work Experience in Air Conditioning and Refrigeration	<p>Employers of Air Conditioning and Refrigeration Work Experience Students will rate the work habits of their students as above average.</p> <p>Employers of Work Experience students will rate the technical skills of AIRC students as above</p>