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

		Course completers will be able to determine make-up air requirements for various commercial applications
AIRC 34	**Advanced Mechanical Refrigeration**	AIRC 34 course completers will evaluate the opertion of a commercial refrigeration system AIRC course completers will modify the operation of a commercial refrigertion system.
AIRC 61	**Building Automation Fundamentals**	AIRC 61 completers will understand the operation and function of the major components of a Central Plant. Method of Evaluation: Students will properly identify the major components that are critical to a Central Plant. AIRC 61 course completers will understand the application and use of general purpose controllers and application specific controllers.
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**	AIRC 67 completers will successfully understand the proper use and application of a light level meter. AIRC 67 completers will understand the design of an energy model.
AIRC 95	**Work Experience in Air Conditioning and Refrigeration**	Employers of Air Conditioning and Refrigertion Work Experience Students will rate the work habits of their students as above average. Employers of Work Experience students will rate the technical skills of AIRC students as above average.