AIR CONDITIONING AND REFRIGERATION (903)

About Our Program

The Air Conditioning & Refrigeration program is designed to provide you with the job skills necessary for employment as a beginning electrician or as repairer of air conditioning equipment. Special emphasis is placed upon the installation and repairing of residential and commercial air conditioning units.

This program is offered during the day and on a part-time basis in the evening.

Opportunities for Employment

The Certificate in Air Conditioning & Refrigeration is designed to prepare you for occupations such as Air Conditioning Services & Installation Technician, or beginning Electrician (residential, commercial or industrial wiring).

Special Considerations

Entry into this program requires the meeting of the general admission requirements of the College. Technical courses and shop experience comprise the major part of the program. The remaining courses are in related subjects and general education. Opportunities for EPA and HVAC Technician Certification are available. Students should consult with a faculty advisor and a College counselor in planning an appropriate program.

Program Contacts

Mr. Tommy Clements, Dean
Faculty Contacts: Mr. Silas Qualls,
Mr. Jerry Ramey

		Lec Hrs.	Lab Hrs.	Crse Cr.
First Semester				
AIR 111	Air Conditioning & Refrigeration Controls I	2	2	3
AIR 121	Air Conditioning & Refrigeration I	3	3	4
ELE 133	Practical Electricity I	2	2	3
ELE 150	A.C.& D.C. Circuit Fundamentals	3	2	4
MTH 105	Survey of Technical Mathematics I	2	0	2
SDV 100	College Success Skills	1	0	1
	Total	**13**	**9**	**17**
Second Semester				
AIR 112	Air Conditioning & Refrigeration Controls II	2	2	3
AIR 116	Duct Construction and Maintenance	1	2	2
AIR 154	Heating Systems I	2	2	3
ELE 134	Practical Electricity II	2	2	3
ELE 135	National Electrical Code - Residential	2	4	4
ENG 100	Basic Occupational Communication	3	0	3
	Total	**12**	**12**	**18**
Third Semester				
AIR 235	Heat Pumps	2	2	3
AIR 298	Seminar and Project	3	0	3
ELE 110	Home Electric Power	2	2	3
ELE 151	Electrical Troubleshooting	2	3	3
Social Science Elective		3	0	3
	Total	**12**	**7**	**15**

50 credits required to graduate