HEATING, AIR CONDITIONING AND REFRIGERATION

A college-level program that offers Associate Degree and Certificate options to prepare you for a career in heating, air conditioning and refrigeration servicing.

SOUTH PLAINS COLLEGE

HEATING, AIR CONDITIONING AND REFRIGERATION TECHNOLOGY

South Plains College provides a two-semester or four-semester technical program in heating, air conditioning, and refrigeration technology. Participating students receive hands-on training from qualified faculty that gives them the skills necessary to succeed in this career field. There are three training options - a certificate of proficiency in air conditioning technology, a certificate of proficiency in commercial refrigeration technology or an associate of applied science degree in air conditioning and refrigeration technology.

Students spend approximately one-fourth of class time in lecture on areas including electrical theory, heating and cooling theory and other related technical subjects. The remaining three-fourths is spent in the program's well equipped laboratory which features 3,200 square feet of floor space for basic and advanced studies of refrigeration equipment and air conditioning mechanics. The lab contains a wide variety of modern refrigeration equipment and air conditioning equipment. Students also have access to several training systems which add a different dimension to the program.

Through troubleshooting experiments and other class projects, students receive hands-on training in servicing and repairing equipment that is used in homes, businesses and industry.

PROGRAM OF STUDY

Because of expanding technology in both the refrigeration and air conditioning fields, the program has maintained its pace with industry trends. SPC focuses on general instruction in both refrigeration and air conditioning mechanical service techniques. The program also emphasizes the practices required in the industry by the Clean Air Act of 1990.

The course of study involves two or four semesters of specialized study for the full-time students. It also can accommodate students who attend college on a part-time basis. Part-time students generally complete the course work in four to eight semesters.

Upon completion of the certificate or associate degree courses of study, students are prepared for immediate employment in either the refrigeration or air conditioning field, depending upon the area of specialization.

Additional information on the back

PROGRAM COURSES

The program includes the following technical courses and topics of study:

- Electric Principles
- Alternating Current Control Principles
- Refrigeration Principles
- Resident Air Conditioning
- Commercial Refrigeration
- Gas and Electric Heating
- Alternate Refrigerants and Lubricants
- Advanced Electricity
- v• Advanced A/C Controls
- Commercial and Industrial Energy Management Systems
- Building Efficiency
- Advanced Troubleshooting
- Air Conditioning Installation
- Refrigerators, Freezers, Window Air Conditioners

For a detailed description of the curriculum pattern and course of study, please consult SPC's General Catalog.

PROGRAM FACULTY

The faculty of the heating, air conditioning and refrigeration technology program have more than 40 years experience in the industry and more than 20 years teaching experience in the refrigeration and air conditioning mechanics. Faculty members care about your success in college.

The faculty is guided by an advisory committee which reviews the program curriculum each year to ensure that it keeps pace with industry changes and demands. The committee is comprised of prominent persons in the refrigeration and air conditioning industry, including professional engineers, business owners, service technicians and system designers.

SCHOLARSHIPS

There are a number of scholarships available for students enrolled in the Heating, Air Conditioning, Refrigeration Technology Program. Through donations from industry organizations and individuals, a scholarship endowment fund is maintained for deserving students in the program through the South Plains College Foundation. Additional scholarships are available through the Preston Burks Memorial Fund, generously endowed and maintained by the South Plains Chapter of the Refrigeration Service Engineers Society; the Alvin Walker Memorial Fund, endowed by the Alvin Walker family; the Kenneth Neagle Memorial Fund, endowed by the Kenneth Neagle Family and the South Plains Chapter of the Texas Air Conditioning Contractors Association.

FOR MORE INFO:

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