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The Refrigeration School, Inc. Program Fact Sheet

Description:

The Refrigeration School, Inc. (RSI) is a leader in technical education, and provides training for students seeking professional careers as heating, ventilation, air conditioning, refrigeration and electrical technicians as well as facility maintenance engineers. RSI refers to the broad array of training specialties with the acronym HVACRE. As the fourth largest single source of HVACRE entry-level graduates in the country, RSI is a top provider of well-qualified technicians and facility maintenance engineers in these fields based on its professional and educational standards, professional and community associations, innovative learning programs, and employment services.

Programs:

At its campus inside the Gateway Corridor of Phoenix, Ariz., RSI offers specialized technical education programs, combining academic work with hands-on training. Four specialty programs are offered, which average three to 20 months in duration: Associate of Occupational Studies in Mechanical Engineering; Electro-Mechanical Technologies; Refrigeration, Air Conditioning and Heating Technologies; and Electrical Technologies.

Trouble-shooting is an essential skill for any technician, regardless of the job or industry. RSI students benefit from the **BINARY STAR System**, a unique troubleshooting training program developed by RSI, which enables students to learn quickly using rapid repetition. Instructors program potential problems into the STAR trainer, and students experience and resolve numerous problem combinations in a short timeframe.

Associate of Occupational Studies in Mechanical Maintenance Engineering – This one-of-a-kind program is designed for students interested in earning an Associate of Occupational Studies in Mechanical Engineering degree in 14 to 20 months. In addition to standard HVACRE courses, this comprehensive program offers courses in pneumatics, load calculations, transformer operations, compression failures, cooling towers, psychrometrics, liquid chillers, boilers, business and computer applications and customer relations. Graduates are immediately qualified to begin a career as a HVACRE technician or a facility maintenance engineer. These graduates are also well suited for positions that entail a high level of understanding of the interrelated workings in commercial and industrial job settings.

Electro-Mechanical Technologies – This specialized program, ranging from eight to 13 months, prepares students as entry-level service and maintenance technicians by combining courses in air conditioning (both heating and cooling) and refrigeration with courses in construction and maintenance electrical applications. Classes teach mechanical and electrical principles, residential and commercial wiring, residential and advanced air conditioning techniques, refrigeration techniques and advanced trouble-shooting. With cross-training in diagnostics, service and maintenance, graduates are qualified for positions in the HVACRE industries as well as for jobs that require skills in both fields.

Refrigeration, Air Conditioning, & Heating Technologies – This six to 10 month program prepares students for entry-level HVACRE service and maintenance jobs. Courses include mechanical and electrical principles, residential and commercial air conditioning, refrigeration techniques and advanced trouble-shooting. Upon completion of this program, students understand and have practical exposure to diagnosing, servicing and repairing common types of problems in mechanical and electrical systems.

Electrical Technologies – This program, ranging from three to five months, prepares students as construction and maintenance electrical technicians. Upon successful completion of the program, students understand electrical principles, residential and commercial wiring applications, and the National Electric Code, and how these concepts apply to common buildings and facilities. Graduates have practical exposure to installation techniques, diagnostics, service and repair of electrical systems.

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