

Liebert CRAC Units

To dependably operate and maintain computer room air conditioner [CRAC] units requires some key resources. The key resources necessary to experience success are skilled and knowledgeable personnel. Without the knowledge of these concepts the dependable operation of the CRAC unit is at risk. This CRAC operation and troubleshooting program will provide the student with the information required to ensure proper maintenance, troubleshooting, and repair. The site's technology and equipment are incorporated into this hands on interactive workshop. Course includes a hands-on lab with control simulators.

Duration: 16 Hour Program

Large Systems Identification

Identify the large environmental products and model number definition breakdown

Installation/Start-Up/Maintenance Schedules

Review and discuss installation and start-up guidelines and general maintenance schedules

Procedures for the various Liebert environmental products

Microprocessor Theory/Basic Electronics

Discuss basic microprocessor concept and operational theory

Discuss basic electronic components as they relate to Liebert microprocessor controlled equipment

Deluxe System 3 and Challenger 3000 units with AM Controls (1994 - 2006)

Discuss Liebert control product line with hardware and programming

Hands-on lab exercises with control simulators

Control sequence of operation will be covered

AM Wiring Diagrams

Discuss and trace circuit layout with sequence of systems operation

AM Hardware and Control Operation

AM Programming and Wiring Lab

AM Diagnostics and Troubleshooting Lab