



Certified Technology Specialist (CTS) Preparation Training

Certified Technology Specialist (CTS) A Certified Technology Specialist installs and maintains audiovisual systems by:

- Following specifications, schematics, codes, and safety protocols;
- Administering installation process logistics;
- Troubleshooting and problem-solving systems;
- Maintaining tools and equipment; and
- Communicating with clients, designers, other trades, other installers and staff to provide the best audiovisual solutions for client needs, on time and within budget.

Course Content Areas

Termination Experience

- Solders connectors resulting in a shiny appearance with good wetting and flow
- Applies heat shrink for proper strain relief and to prevent future short circuiting
- Selects correct termination materials
- Measures for appropriate connectivity

Rack Build Experience

- Builds racks from technical drawings
- Manages power cables so that equipment can be efficiently removed for service
- Grounds rack
- Maintains proper signal separation

Projector Setup and Installation Experience

- Permanently install projector and adjust display setting resulting in an image with correct geometry
- Calculates and applies throw distances for specific projector installation
- Recognized Courses:

Audio Setup and EQ Experience

- Utilizes test equipment to measure for ambient room noise and determine sound pressure levels
- Sets the gain and equalizes the audio system
- Measures signal-to-noise ratio at various test points in an audio system