

MEDIA SYSTEMS ELECTRONICS TECHNICIAN

CLASS SUMMARY

Under direction – analyzes, constructs, integrates, installs, repairs, modifies and operates a wide variety of electronic equipment to include audio-visual and multi-media equipment. Trains faculty and staff on equipment use. Performs related duties and responsibilities as required.

REPRESENTATIVE DUTIES

Performs repairs, maintenance and modifications to all audio-visual and multi-media equipment. Sets up and operates public address systems, computers and projectors; troubleshoots problems that can occur in the computer/projector systems in the classroom and other venues. Maintains and services electronic whiteboards and display panels, video servers, A/V electronic switchers, and other analog and digital video broadcasting equipment. Installs software and maintains computers on integrated systems. Determines and tests the compatibility of new equipment with existing inventory. Maintains and repairs overhead projectors, flat or smart televisions, LCD Projectors, TV/DVD combo systems, public address systems, microphones, and speakers; utilizes electronic test equipment and tools in making repairs; determines and orders parts; operates TV analyzers, radio frequency generating and measuring units, and such mechanical equipment as drill press, soldering, and similar equipment; analyzes existing systems to plan for upgrades and modifications or to create requirements for new systems; participates in the design, engineering, construction and installation of audio-visual and related electronic multi-media systems; communicates with instructional personnel and other users to assess problems and propose modifications and to keep them informed of work status; provides guidance and training to the faculty/managers in the use of media systems and applications; maintains or assists in maintaining parts and stock inventory.

ORGANIZATIONAL RELATIONSHIPS

Positions in this class report to the designated manager.

DESIRABLE QUALIFICATIONS GUIDE

Training and Experience

Any combination of training and experience equivalent to five years of skilled, audio-visual, computer based multimedia equipment repair at the component level.

MEDIA SYSTEMS ELECTRONICS TECHNICIAN (continued)

Knowledge and Abilities

Knowledge of: classroom mediated equipment is required, maintenance, overhaul, and repair of all types of electronic audio-visual equipment, computer based multi-media equipment, and of the related use of electronic repair and test equipment; circuitry and mechanical operation of monitors, waveform, vector scope, video monitors, video projectors, DVD playback and recorder of all formats, digital video cameras, and other types of audio-visual equipment; radio and sound theory, television repair principles and techniques; principles of electricity; record keeping, safety principles and practices.

Ability to: diagnose defects in electronics equipment and make necessary major or minor repairs; maintain simple records; interpret system schematics and technical service manuals; work cooperatively with others; follow oral and written directions; work under peaks of pressure and interruption; assist in demonstrating proper audio-visual, computer based equipment operation; follow safety practices in electrical work and the use of tools and equipment.

Physical Requirements: Ability to lift 50 pounds.