



VIDEO SYSTEMS TECHNICIAN

SALARY GRADE: [C1-55](#)

DEFINITION:

Under the direction of an assigned supervisor, perform engineering support services for the successful implementation of analog and digital video/audio systems, personal computers, data network equipment, remote control systems and other advanced instructional technology. Perform maintenance and repair of instructional video/audio technical equipment; train and provide work direction to assigned personnel.

EXAMPLE OF DUTIES AND RESPONSIBILITIES:

Depending upon assignment, duties may include, but are not limited to, the following:

1. Support installation, maintenance and operation of professional analog and digital audio/video/data systems for the successful production and delivery of instructional and student support content. Supported analog and digital audio/video/data systems includes, but is not limited to: video servers, web encoding stations, personal computer hardware and software, data network equipment, large flat screen displays, film, television and theater production systems and other systems as assigned.
2. Communicate with administrators, deans, faculty, staff, students and other service groups to identify instructional technology support requirements.
3. Perform additions and upgrades to the instructional technology systems to accommodate the changing campus requirements. Technology support includes, but is not limited to: multi-camera distance learning classrooms, video conferencing, multimedia classroom consoles and audiovisual technologies.
4. Perform maintenance and repair of audio/video analog and digital equipment including video disk servers, DVD players and recorders, videotape recorders, audio/video switchers, pan/tilt cameras, non-linear edit systems, audio mixing boards, audio/video conferencing systems, network video distribution systems, audio playback and recording systems, lighting systems, and other related equipment; identify vendors and order parts as necessary; send equipment to outside contractors for repairs as needed.
5. Troubleshoot and perform various computer and peripheral repair duties including diagnosing system failures and isolating faulty parts; repair or replace parts.
6. Utilize Computer Aided Design (CAD) software to document equipment and cabling requirements. Document projects utilizing databases, spreadsheets and word processor applications.
7. Train and provide work direction to assigned personnel; assist in identifying and assigning jobs.
8. Provide advanced computer hardware and software support as needed; identify operator errors or repair damaged software programs; perform hardware diagnostic and software backup functions as necessary.
9. Operate and troubleshoot a variety of equipment including a computer, Ethernet network devices, printers, oscilloscope, volt/ohm multimeter, various hand tools, video switchers, audio boards, video-audio routing systems and other related equipment.
10. Prepare and maintain a variety of records and reports related to assigned activities.
11. Work with outside consultants and installation vendors.

12. Coordinate with the Client Services Technical Services Supervisors in maintaining the equipment.
13. Perform related duties as assigned.

EMPLOYMENT STANDARDS:

Knowledge of:

1. Broadcast television analog and digital video systems including terminology, procedures and operations.
2. LCD, DLP and Plasma large flat screen display and projections systems.
3. Methods and procedures of operating electronic computers and peripheral equipment.
4. Diagnostic techniques, procedures, equipment and tools used in electronics and computer repair.
5. Cable television distribution systems.
6. Data network systems and operations
7. IR and RS232C remote control systems.
8. Video conferencing systems.
9. Satellite antenna systems
10. Fiber-optic transmission systems.
11. Video surveillance systems.
12. Digital audio/video communications on an ATM and IP based computer network.
13. Computer hardware, software and network systems and operations.
14. Technology requirements for instructional labs and classrooms, including but not limited to, video and data projectors, computer systems, various AV equipment, and related wiring requirements for installation of such systems.
15. Interpersonal skills using tact, patience and courtesy.
16. Principles of training and providing work direction.
17. Record-keeping techniques.
18. Technical aspects of field of specialty.

Ability to:

1. Demonstrate understanding of, sensitivity to, and respect for the diverse academic, socio-economic, ethnic, religious, and cultural backgrounds, disability, and sexual orientation of community college students, faculty and staff.
2. Design and implement audio/video systems required for delivery of instructional content.
3. Operate broadcast television and satellite antenna equipment including audio/video recorders, character generator, cameras, video editing equipment and satellite control and receivers.
4. Perform maintenance and repair of video analog and digital equipment.
5. Create documentation for broadcast and instructional systems.
6. Train and provide work direction to others.
7. Provide computer hardware and software support as needed.
8. Communicate effectively both orally and in writing.
9. Establish and maintain cooperative and effective working relationships with others.
10. Maintain current knowledge of technological advances in the field.
11. Maintain records and prepare reports.
12. Meet schedules and time lines.
13. Work independently with little direction.
14. Plan and organize work.

Education and Experience

Any combination equivalent to:

1. Associate's degree.
2. Two (2) years related experience in a related field i.e. computer/electronic service and repair, audiovisual equipment repair, and systems support.

WORKING CONDITIONS:

Environment:

1. Office environment.

Physical Abilities:

1. Hearing and speaking to exchange information in person and on the telephone.
2. Dexterity of hands and fingers to operate computer keyboard and audio and video equipment.
3. Seeing to read various materials.
4. Standing for extended periods of time.
5. Walking.
6. Pushing or pulling equipment carts and dollies.
7. Climbing ladders to repair equipment and systems.
8. Reaching overhead, above the shoulders and horizontally.
9. Bending at the waist, kneeling or crouching.
10. Lifting, carrying, pushing or pulling objects up to 60 lbs.

Date Approved: February 21, 2007; Revised: May 8, 2007

EEO Code: H-30