



Office of Human Resources
Television Engineer - CI2335
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General Statement of Duties

Performs full performance, professional level work maintaining and repairing, to the component level, all types of electronic new gathering (ENG) equipment and information systems used to record and transmit a television program.

Distinguishing Characteristics

Television Engineer is distinguished from the Television & Video Production Support Technician, which level production support work by setting up studio and locations for video production and operating and maintaining television equipment.

Level of Supervision Exercised

By position, performs lead work.

Essential Duties

Monitors strength, clarity, and reliability of incoming and outgoing signals, and adjusts equipment as necessary to maintain quality broadcasts.

Designs, configures, installs, troubleshoots, repairs, and operates new and existing television equipment and information systems, which includes closed-circuit/cablecast television systems and related electronic equipment.

Recommends and implements technical requirements for transmitting all large, live, or mobile multi-camera broadcasts.

Develops and oversees a television equipment maintenance program to ensure minimal downtime due to component failure, which includes making decisions about repair, replacement, and warranty work.

Researches new television equipment and systems to determine feasibility; collects quotes and recommends purchases for new equipment and/or repair of existing equipment.

Creates and maintains engineer workflow processes and standard operating procedures (SOPs); trains staff in the proper operation of television production and test equipment.

By position, monitors and controls the budget for repair and maintenance for all television equipment and systems.

Performs other related duties as assigned or requested.

Any one position may not include all of the duties listed. However, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

Competencies

Decision Making – Specifies goals and obstacles to achieving those goals, generates alternatives, considers risks, and evaluates and chooses the best alternative in order to make a determination, draw conclusions, or solve a problem.

Oral Communication – Expresses information to individuals or groups effectively; taking into account the audience and nature of the information; makes clear and convincing oral presentations; listens to others, attends to nonverbal cues and responds appropriately.

Planning and Evaluating – Organizes work, sets priorities, and determines resource requirements; determines short- or long-term goals and strategies to achieve them; coordinates with other organizations or parts of the organization to accomplish goals; monitors progress and evaluates outcomes.

Problem Solving – Identifies problems; determines accuracy and relevance of information; uses sound judgment to generate and evaluate alternatives, and to make recommendations.

Technical Competence – Uses knowledge that is acquired through formal training or extensive on-the-job experience to perform one's job; works with, understands, and evaluates technical information related to the job; advises others on technical issues.

Reading – Understands and interprets written material, including technical material, rules, regulations, instructions, reports, charts, graphs, or tables; applies what is learned from written material to specific situations.

Writing - Writes in a clear, concise, organized, and convincing manner for the intended audience.

Knowledge & Skills

Skill in operating, adjusting, and maintaining a broadcast television transmitter.

Skill in designing and maintaining television equipment devices.

Education Requirement

Bachelor's Degree in Telecommunications, Electronic Engineering Technology, Computer Information Systems, Electrical Engineering, or a related field.

Experience Requirement

Three (3) years of professional experience designing and installing video broadcast facilities and repairing other telecommunication devices to the component level.

Education & Experience Equivalency

Additional appropriate education may be substituted for the minimum experience requirement except for two years of experience designing and installing video broadcast facilities and repairing other telecommunication devices to the component level. Additional appropriate type and level of experience may be substituted for the minimum education requirement on a one year for one year basis.

Licensure & Certification

By position, requires a valid Driver's License at the time of application.

Licenses and certifications must be kept current as a condition of employment.

Working Environment

Handles absentee replacement on short notice.
Occasional pressure due to multiple calls and inquiries.
Pressure due to multiple calls and inquiries.
Subject to long, irregular hours.
Subject to many interruptions.

Subject to pressure for multiple calls, inquiries, and interruptions.

Level of Physical Demand

3-Medium (20-50 lbs.)

Physical Demands

(Physical Demands are a general guide and specific positions will vary based on working conditions, locations, and agency/department needs.):

Agility: bends, stretches, twists, or reaches out with the body, arms, or legs.

Balancing: maintaining body equilibrium to prevent falling over.

Carrying: transporting an object; usually by hand, arm, or shoulder.

Color vision: ability to distinguish and identify different colors.

Crawling: moving about on hands and knees or hands and feet.

Crouching: bending body downward and forward by bending legs.

Depth Perception: ability to judge distances and space relationships.

Eye/Hand/Foot Coordination: performing work through the use of two or more.

Feeling: perceiving attributes of objects by means of skin receptors.

Feeling: perceiving attributes of objects by means of spoken word.

Field of Vision: ability to adjust vision to bring objects into focus.

Field of Vision: ability to see peripherally.

Fine Dexterity: Coordinate eye-hand to operate a vehicle, reach, hold, grasp and turn objects.

Fingering: picking, pinching, or otherwise working with fingers.

Handling: seizing, holding, grasping, or otherwise working the hand(s).

Handling: seizing, holding, grasping, or otherwise working with fingers.

Hearing/Talking: Hear and determine direction of sound.

Hearing: perceiving the nature of sound by the ear.

Kneeling: bending legs to come to rest on one or both knees.

Lifting: raising or lowering objects weighing no more than 50 pounds, from one level to another.

Mathematical reasoning

Memorization

Mental Demands: mathematical reasoning, memorization, oral comprehension, spatial orientation, and written comprehension.

Neck Flexion: Moving neck upward/downward.

Oral Comprehension

Pulling: Exerting force upon an object so that it is moving to the person

Pushing: exerting force upon an object so that the object is moving away from the person.

Reaching: extending the hand(s) and arm(s) in any direction.

Repetitive motions: Making frequent movements with a part of the body.

Sitting: remaining in the normal seated position.

Standing: remaining one one's feet in an upright position.

Stooping: Bending the body by bending the spine at the waist.

Talking: Expressing or exchanging ideas by means of spoken words

Vision Far acuity: ability to see clearly at 20 feet or more.

Vision Near acuity: ability to see clearly at 20 inches or less.

Vision: To observe animal behavior, read signs, and reading colors.

Walking: moving about on foot on uneven surfaces.

Walking: moving about on foot.

Written Comprehension.

Background Check Requirement

Criminal Check
Education Check
Employment Verification
By position, Motor Vehicle Record

Assessment Requirement

None

Probation Period

Six (6) months.

Class Detail

Pay Grade: I-811
FLSA Code: Y
Established Date: 9/21/2018
Established By: LS
Revised Date:
Revised By:
Class History: