

**IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES ▼**  
**HUMAN RESOURCES ENTERPRISE**  
**STUDIO ENGINEER SENIOR**

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**DEFINITION**

Performs the more complex duties operating, diagnosing, repairing, and maintaining facilities and all electronic equipment for Iowa Public Television at the Network Operations Center (NOC), with specialization in audio, video, digital, remote control, and computer-based engineering; performs related work as required.

**The Work Examples and Competencies listed are for illustrative purposes only and not intended to be the primary basis for position classification decisions.**

**WORK EXAMPLES**

Performs all duties listed in the Studio Engineer.

Operates, diagnoses, and makes major repairs/adjustments on electronic, and electrical equipment associated with the production, editing, archiving, and broadcasting of educational radio/television programs and satellite up/down link equipment.

Responsible for the diagnosis, repair, and maintenance of equipment, observation of federal rules/regulations applicable to assigned area of engineering and day-to-day compliance with Federal Communications Commission (FCC) and Federal Aviation Administration (FAA) regulations applicable to the NOC facilities.

Works with less experienced engineers in the repair of the more complex equipment applicable to the assigned area of engineering.

Conducts performance measurements and assists with training personnel in the operation, diagnosis, and repair of equipment.

**COMPETENCIES REQUIRED**

Knowledge of studio operations and maintenance of studio equipment.

Knowledge of NOC technical operating systems and electronic circuits and systems.

Knowledge of safety as it relates to NOC facilities, including OSHA, non-ionizing radio frequency radiation (RFR), etc.

Knowledge of FCC and FAA rules and regulations applicable to the assigned area of engineering responsibility.

Knowledge of principles of electronics and the ability to perform performance measures applicable to the assigned area of engineering responsibility.

Knowledge of techniques in repairing electronic equipment applicable to the assigned area of engineering responsibility.

Knowledge of types of equipment used in the production, editing, archiving, and transmission of radio/television programs applicable to the assigned area of engineering responsibility.

Ability to diagnose, operate, and repair complex electronic equipment applicable to the assigned area of engineering responsibility.

Ability to assume responsibility in the absence of a supervisor.

Displays high standards of ethical conduct. Exhibits honesty and integrity. Refrains from theft-related, dishonest or unethical behavior.

Works and communicates with internal and external clients and customers to meet their needs in a polite, courteous, and cooperative manner. Committed to quality service.

Displays a high level of initiative, effort, and commitment towards completing assignments efficiently. Works with minimal supervision. Demonstrates responsible behavior and attention to detail.

Responds appropriately to supervision. Follows policy and cooperates with supervisors.

Aligns behavior with the needs, priorities, and goals of the organization.

Encourages and facilitates cooperation, pride, trust, and group identity. Fosters commitment and team spirit.

Expresses information to individuals or groups effectively, taking into account the audience and nature of the information. Listens to others and responds appropriately.

### **EDUCATION, EXPERIENCE, AND SPECIAL REQUIREMENTS**

Graduation from an accredited four-year college or university with a bachelor's degree in broadcast engineering technology, or a closely related field, and one year of experience in operating, maintaining, or repairing complex electronic equipment;

OR

graduation from an accredited two-year college or technical school with an associate's degree in electronics technology, or closely related field, and three years of full-time experience in operating, maintaining, or repairing complex electronic equipment in a radio or television transmitter/translator or network studio;

OR

completion of certificate in electronics technology, or closely related field, from a recognized technical, military, business, area school, junior college, or university, and four years of full-time experience in operating, maintaining, or repairing complex electronic equipment in a radio or television transmitter/translator or network studio;

OR

an equivalent combination of experience and education, substituting one year of the required experience (30 semester hours or one year) of each year of the required education;

OR

employees with current continuous experience in the state executive branch that includes the equivalent of one year of full-time experience as a Studio Engineer at Iowa Public Television.

### **NOTE:**

Positions in the class are exempt from the screening and referral requirements of the Iowa Department of Administrative Services – Human Resources Enterprise. Apply directly to the employing agency.

Iowa Public Television  
6450 Corporate Drive  
P.O. Box 6450  
Johnston, Iowa 50131

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