

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES ▼
HUMAN RESOURCES ENTERPRISE
STUDIO ENGINEER ADVANCED

DEFINITION

Performs/oversees the operation, diagnosis, repair, and maintenance of 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 in the Studio Engineer, Senior.

Trains, oversees, and participates in the work of other studio engineers/technical personnel engaged in the operation, repair, and maintenance of NOC electronic hardware and associated software related to the production and broadcasting of educational radio/television programs.

Advises/collaborates with other engineers and technical personnel involved in testing and repairing NOC equipment and schedules/oversees less experienced engineers in the repair of the more complex equipment.

Performs and verifies the diagnosis, testing, maintenance, and preventive maintenance of NOC electronic production/broadcasting equipment.

Researches, plans, and implements equipment and systems for the NOC.

COMPETENCIES REQUIRED

Knowledge of master control, studio operations, and maintenance of studio equipment.

Knowledge of the Federal Communications Commission (FCC) and Federal Aviation Administration (FAA) rules and regulations in all areas of engineering responsibility.

Knowledge of the signal flow through the facility.

Knowledge of traffic and logging processes.

Knowledge of master control equipment and its use.

Knowledge of television station operation and the delivery of programming to the viewer.

Knowledge of NOC technical operating systems.

Knowledge of electronic circuits and systems.

Knowledge of safety regarding NOC facilities including OSHA, non-ionizing radio frequency radiation (RFR), etc.

Knowledge of computer systems, methods, and techniques related to studio engineering.

Knowledge of principles of electronics related to studio engineering.

Knowledge of techniques of repairing electronic equipment.

Knowledge of types of equipment used in the production, editing, archiving, and transmission of radio/television programs.

Ability to understand budgets and budgetary procedures.

Ability to diagnose, operate, and repair complex electronic equipment.

Ability to assume responsibility in the absence of a supervisor.

Ability to perform equipment performance measurements.

Ability to train and oversee others.

Ability to organize staff, schedules, equipment, and maintenance programs.

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 two years 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 four years of full-time experience in operating, maintaining, and/or repairing complex electronic equipment in a radio or television transmitter/translator or network studio;

OR

completion of a certificate in electronics technology, or closely related field, from a recognized technical, military, business, area school, junior college, or university, and five 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 1 year) for each year of the required education;

OR

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

NOTE:

Positions in this 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.

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