

STATE OF OHIO (DAS)
CLASSIFICATION
SPECIFICATION

CLASSIFICATION SERIES:

Broadcasting Engineer

SERIES NO.:

5261

MAJOR AGENCIES:

Education Broadcasting Commission Only

EFFECTIVE DATE:

02/26/2012

SERIES PURPOSE:

The purpose of the broadcasting engineer occupation is to insure quality of program transmissions to & from network affiliated radio & television stations.

Incumbents monitor quality of program transmissions.

CLASS TITLE

Broadcasting Engineer

CLASS NUMBER

52611

PAY RANGE

28

EFFECTIVE

01/09/2005

CLASS CONCEPT:

The full performance level class works under direction & requires considerable knowledge of television broadcasting techniques & electronic communication equipment operation & Federal Communication Commission rules & regulations in order to insure execution, quality & integrity of program transmissions & operate & monitor equipment used to make program transmissions.

<u>CLASS TITLE</u>	<u>CLASS NUMBER</u>	<u>B. U.</u>	<u>EFFECTIVE</u>	<u>PAY RANGE</u>
Broadcasting Engineer	52611	07	01/09/2005	28

JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)

Monitors quality of program transmissions to & from network operations center (i.e., NOC) via microwave, telephone cable, fiber optics & satellite interconnection, makes equipment adjustments as needed to be in compliance with current Federal Communications Commission (i.e., FCC) & broadcast operating standards, operates videotape recorders, including cueing machines for record, playback &/or editing, prepares & completes program information cards, loads videotape as specified in daily program transmission log, prepares equipment for daily operation & adjusts videotape machine assignments (i.e., designates specific machine for specific program).

Operates audio & video recorders for tape duplication apart from daily program transmissions; performs bulk tape erasing of tape stock prior to record use; puts new tape stock & questionable tape stock through evaluation procedure; operates television & radio uplink & downlink equipment; makes equipment adjustments as needed to comply with current FCC & broadcast operating standards; operates computer terminal for automated machine control & program switching systems; enters program changes as required; operates routing switcher manually as required.

Assists in equipment maintenance; monitors & operates alarm system CRT to assist in ensuring system integrity; maintains safe, clean work environment; reviews, studies & adapts new technologies & equipment to current technologies (e.g., analog; digital; compression); resolves equipment failure on behalf of affiliate &/or Ohio Education Television Network (i.e., OETN); recommends policy changes & work recommendations based upon implementation of interfacing operations with various equipment.

Take phone calls &/or handles in-person communication with various affiliate technical personnel; utilizes computer system to maintain logs, reports, e-mail, local & wide area network communication; assists statehouse news & state office tower feeds; operates & adjusts feeds to & from video teleconferencing facility & remote audio & video programming.

MAJOR WORKER CHARACTERISTICS:

Knowledge of Federal Communications Commission rules & regulations*; television broadcasting techniques & electronic communication equipment operation (e.g., solid state devices & controls, digital computer operations, audio recording systems, video switching systems, electronic circuits & controls). Ability to understand practical field of study (i.e., electronics); understand written & verbal instructions, technical in nature; work alone or in conjunction with co-workers; prepare meaningful, concise & accurate reports.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Completion of two-year technical program in broadcast engineering or electronic engineering.

-Or 9 courses or 24 mos. trg. in electronic communication equipment maintenance, operation & technology (e.g., electronic circuits & instruments, solid state electronics, digital computer communication systems, television systems, electrical circuit & measuring instruments, electronic testing & calibration techniques).

-Or 24 mos. exp. in communication which focused on television engineering techniques.

-Or equivalent of the Minimum Class Qualifications For Employment noted above.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:

Not applicable

UNUSUAL WORKING CONDITIONS:

May work evening & weekend shift; exposed to high voltage area.