Broadcast, Sound, and Video Technicians

SOC: 27-4010 • Career Profile Report

■ Key Facts

$56,600 Median Salary	**146,100** Employment	**+1.0%** Growth Rate

■ Requirements & Salary Range

Education: See Requirements (BLS)

■ Automation Risk Assessment

Low Risk - 15.0% probability of being automated in the next 10-20 years.

This job is relatively safe from automation due to its creative, social, or complex problem-solving requirements.

■■ Work-Life Balance

6.3/10 - Good work-life balance

■ Personality Fit (RIASEC)

Higher scores indicate better personality fit for this career type.

Realistic	5.0/10	**Investigative**	5.6/10
Artistic	9.6/10	**Social**	7.4/10
Enterprising	6.2/10	**Conventional**	4.4/10

■ Top Skills Required

Communication skills, Computer skills, Manual dexterity, Problem-solving skills

✓ Strengths

• High Demand
• Flexible Work
• Continuous Learning

■ Challenges

• Burnout Risk
• Rapid Technological Change

■ What They Do

Broadcast, Sound, and Video Technicians typically perform the following tasks: • Report equipment problems, ensure that repairs are made, and make emergency repairs to equipment when necessary and possible. • Monitor and log transmitter readings. • Maintain programming logs as required by station management and the Federal Communications Commission. • Monitor strength, clarity, and reliability of incoming and outgoing signals, and adjust equipment as necessary to maintain quality broadcasts. • Observe monitors and converse with station personnel to determine audio and video levels and to ascertain that programs are airing. • Preview scheduled programs to ensure that signals are functioning and programs are ready for transmission. • Play and record broadcast programs, using automation systems. • Set up, operate, and maintain broadcast station computers and networks. • Select sources from which programming will be received or through which programming will be transmitted. • Install broadcast equipment, troubleshoot equipment problems, and perform maintenance or minor repairs, using hand tools. • Substitute programs in cases where signals fail. • Control audio equipment to regulate volume and sound quality during radio and television broadcasts. • Design and modify equipment to employer specifications. • Record sound onto tape or film for radio or television, checking its quality and making adjustments where necessary. • Schedule programming or read television programming logs to determine which programs are to be recorded or aired. • Edit broadcast material electronically, using computers. • Develop employee work schedules. • Instruct trainees in use of television production equipment, filming of events, and copying and editing graphics or sound onto videotape. • Align antennae with receiving dishes to obtain the clearest signal for transmission of broadcasts from field locations. • Regulate the fidelity, brightness, and contrast of video transmissions, using video console control panels.