

BROADCAST AND SOUND ENGINEERING TECHNICIANS

Broadcast and sound engineering technicians set up, operate, and maintain the electrical equipment for radio and television broadcasts, concerts, sound recordings, and movies and in office and school buildings.

DUTIES

Broadcast and sound engineering technicians typically do the following:

- Operate, monitor, and adjust audio and video equipment to regulate the volume and ensure quality in radio and television broadcasts, concerts, and other performances
- Set up and tear down equipment for events and live performances
- Record speech, music, and other sounds on recording equipment
- Synchronize sounds and dialogue with action taking place on television or in movie productions
- Convert video and audio records to digital formats for editing
- Install audio, video, and sometimes lighting equipment in hotels, offices, and schools
- Report and repair equipment problems
- Keep records of recordings and equipment used

These workers may be called broadcast or sound engineering technicians or operators or engineers. At smaller radio and television stations, broadcast and sound technicians may do many jobs. At larger stations, they are likely to specialize more, although even their job assignments may change from day to day. They set up and operate audio and video equipment, although the kind of equipment they use may depend on the particular type of technician or industry.

The following are examples of types of broadcast technicians and sound engineering technicians: *Recording engineers* operate and maintain video and sound recording equipment. They may operate equipment designed to produce special effects for radio, television, or movies.

Sound mixers, or *rerecording mixers*, produce soundtracks for movies or television programs. After filming or recording is complete, these workers may use a process called dubbing to insert sounds.



SALARY INFORMATION

Location	2018				
	10%	25%	Median	75%	90%
California	\$25,420	\$29,490	\$39,440	\$57,880	\$79,070

*Pay period based on yearly amount.

EMPLOYMENT OUTLOOK

Stable growth rate is estimated to be **2%**

430 estimated annual job openings

Field technicians set up and operate portable equipment outside the studio—for example, for television news coverage. This coverage requires so much electronic equipment, and the technology is changing so rapidly, that many stations assign some of their technicians exclusively to news.

Chief engineers, *transmission engineers*, and *broadcast field supervisors* oversee other technicians and maintain broadcasting equipment.

RELATED OCCUPATIONS

Audio and Video Equipment
Broadcast Technicians
Film and Video Editors
Diagnostic Medical Sonographers 🌞🌱

