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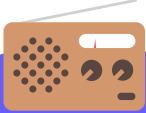
If you're interested in a career in engineering, did you know it could launch you into the world of radio stations and podcasts, not to mention festivals and sporting events all over the world?

ENGINEERING FOR RADIO STATIONS?!

Broadcast engineers, sometimes called **Audio Engineers or Technicians**, are needed to make sure the audio reaches the listeners in the highest quality, and with no interruptions! As audio specialists, they can be found in related industries such as the music business, TV and film.

IT engineers install, maintain and fix office equipment at radio stations and in the studios, for everyone from the Managing Director to the presenters, to keep the station running smoothly.

Some engineers will do a mixture of the two types of job, especially when the station is smaller, others might specialise.



BROADCAST ENGINEERS

Purchase and install studio hardware such as microphones and audio processors

Adjust processing to achieve the right sound for the station and keep it consistent

Work with transmission companies to ensure the audio is carried to transmitters without interruption

Install and maintain production and presentation software - known as 'playout'

Set up and operate links between studios and OB's (Outside Broadcasts)

Purchase or make recommendations about office electrical equipment such as PCs, laptops, printers and mobile phones for the members of the team

Install and maintain software, troubleshooting problems and fixing things when they go wrong

Make sure the station has the connectivity it needs to the internet - such as wifi

Write and develop software and applications to help the business run smoothly.

RADIO I.T. ENGINEERS



Radio's great because it's not one size fits all - stations come in all shapes and sizes from community based to large national brands. Some stations are funded by the government (the BBC), others make money by advertising.

Enthusiasm and an understanding of the technology come first. That might be enough to get your first job in a local or community station, or in hospital radio. If you can show you've got experience as a volunteer, that can be really helpful to show you're keen, when you apply for jobs.

Many professional engineers in radio have science based A Levels and may have a degree in Engineering or Computer Science, or a broadcast speciality.



WANT TO GET INVOLVED?

Some companies run training courses and internships, which can help you get your foot in the door. These can be following A Levels or a Degree.



BBC Trainee & Apprenticeships
bbc.co.uk/careers



Bauer Academy
baueracademy.co.uk



Global Academy
globalacademy.com



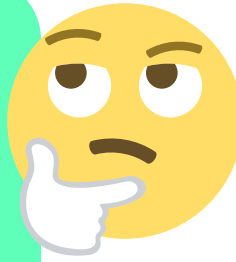
The Radio Academy
radioacademy.org.uk



Creative Access
creativeaccess.org



The Young Audio Awards
youngaudioawards.co.uk



WHAT KINDS OF PEOPLE ARE RADIO STATIONS LOOKING FOR?

Because engineers in a radio station work across every department, one way or another, it's important to be good at dealing with all sorts of people - from the big bosses to the presenters on air.

Radio stations HATE being off air - so if there's a problem with the technology you might be under pressure to fix things fast - so a cool head in a crisis is a must.

Engineers frequently work in teams, especially in larger radio stations so being able to work with others is an important quality to have.

QUICK CROSSWORD

Become a Broadcast Engineer and you'll be hearing these words a lot more often!

RACKS ROOM
ON AIR
MICROPHONE
TRANSMITTER
STUDIO
ENGINEER
PLAYOUT
AUDIO
HARDWARE
SOFTWARE
PROCESSOR
ROUTER
PRESENTER
ACOUSTICS
RADIO WAVE
DAB

C	R	E	T	T	I	M	S	N	A	R	T	X	A	X	V
O	H	X	A	U	D	I	O	Z	K	W	D	C	R	D	G
W	E	R	E	E	N	I	G	N	E	G	O	A	M	R	C
O	R	N	V	M	H	W	T	P	A	U	D	S	B	J	I
P	A	T	Z	O	H	X	X	J	S	I	C	Z	V	K	W
L	W	N	U	O	Z	E	C	T	O	E	X	B	P	B	N
A	T	O	U	R	J	U	I	W	E	G	E	Y	R	R	F
Y	F	H	X	S	M	C	A	G	X	N	G	C	E	F	S
O	O	K	S	K	S	V	P	R	O	C	E	S	S	O	R
U	S	L	T	C	E	W	L	H	S	U	D	L	E	M	N
T	R	J	U	A	T	M	P	Q	H	X	S	H	N	B	L
R	R	C	D	R	F	O	G	O	R	U	Y	O	T	Q	A
H	C	I	I	H	R	W	J	B	N	W	D	A	E	J	J
J	V	L	O	C	E	R	A	W	D	R	A	H	R	X	Z
K	K	J	I	N	K	Y	C	D	V	F	D	C	M	D	J
A	T	M	J	R	O	U	T	E	A	R	I	A	N	O	Q

GOT QUESTIONS?



theiet.org/career/career-support/early-career



prospects.ac.uk/job-profiles/broadcast-engineer

You can find out about other jobs within the radio station at FunKidsLive.com/inside