

Sound Engineering



Summary

A Sound engineering technician operates, assembles and maintains technical equipment that records, amplifies, enhances, mixes or reproduces sounds. Sound engineers work in pan domains like advertising, music, movies, live performances and broadcasting. They assess the requirement of sound at any given location and then produce the appropriate decibels of sound.



Career Opportunities in Sound Engineering

Recording
Internet audio broadcast
Mastering CD + DVD live sound
Audio software + hardware
Quality Assessment
Music restoration/preservation
Forensic audio



How to Pursue a Career in Sound Engineering?

	Stream	Graduation	After Graduation	After Post Graduation
Path 1	Clear Class XII with Science Stream	Pursue B.Tech for 4 years	Pursue M.Tech for 2-3 years	-
Path 2	Clear Class XII with Science Stream	Pursue Different Courses(duration ranging from 1 month to 3 years)	-	-



Important Facts

- Most college have eligibility criteria of minimum 50% aggregate marks in Class XII / and some of minimum 60%.
- Must have passed class 12th or senior secondary examination with at least 50% marks including English.
- Some colleges/ universities also have an age limit.
- Sound Engineering is also called as Audio Engineering.



Leading Institutes

Top Sound Engineering Institutes in India

College	Location	Website
Department of Film & TV Studies, Bharatiya VidyaBhavan New Delhi	Delhi	www.film-tvstudies.com/ Copy
IIT Kharagpur	Kharagpur	www.iitkgp.ac.in/ Copy
Deviprasad Goenka Mangement College of Media Studies	Mumbai	rset.edu.in/dgmc/ Copy
Film and Television Institute of India, Pune	Pune	www.ftiindia.com/ Copy
Biju Patnaik Film and Television Institute	Cuttack	http://www.bpftio.org.in/ Copy
CRAFT Film School	Delhi	log2craft.org/ Copy
ZEE Institute Of Media Arts (ZIMA) Mumbai	Mumbai	www.zimainstitute.com/ Copy
National Institute of Film and Fine Arts NIFFA, Kolkata	Kolkata	www.niffa.org/ Copy
Digital Academy The Film School Mumbai	Mumbai	www.dafilmschool.com/ Copy
Department of Music, University of Mumbai	Mumbai	mu.ac.in/portal/department-of-music/ Copy
Sri Aurobindo Centre for Arts and Communication,School of Arts New Delhi	Delhi	www.sac.ac.in/ Copy
ARM Academy of Radio Management	New Delhi	www.arm.net.in/ Copy
Asian Academy of Film & Television	Noida	aaft.com/ Copy
Vijaybhoomi University	Maharashtra	https://vijaybhoomi.edu.in/ Copy

Top Sound Engineering Institutes in the World

College	Location	Website
Yale University (Postgrad)	United States	www.yale.edu/ Copy
University of Michigan- Ann Arbor	United States	https://umich.edu/ Copy
University of Edinburgh (Postgrad)	United Kingdom	www.ed.ac.uk/ Copy
University of Illinois At Urbana Champaign (Postgrad)	United States	illinois.edu/ Copy
Australian National University (Both)	Australia	www.anu.edu.au/ Copy
University of Manchester (Postgrad)	United Kingdom	www.manchester.ac.uk/ Copy
Boston University (Postgrad)	United States	www.bu.edu/ Copy
University of Southern California	United States	www.usc.edu/ Copy
University of New South Wales	Australia	https://www.unsw.edu.au/ Copy



Sound Engineering Entrance Exams

Undergraduate

College	Tentative Date	Important Elements	Website
Joint Entrance Examination Main (JEE Main)	April	Mathematics, Physics, Chemistry,	jeemain.nic.in/ Copy
Joint Entrance Examination Advanced (JEE Advanced)	May/June	Mathematics, Physics, Chemistry,	www.jeeadv.ac.in/ Copy

College	Tentative Date	Important Elements	Website
Birla Institute of Technology and Science Admission (BITSAT)	May	Mathematics/Biology Physics, Chemistry, Logical Reasoning English	bitsadmission.com/bitsatmain.aspx Copy
Education Promotion Society of India National Admission Test (ENAT)	April/May	Mathematics, Physics, Chemistry, English	www.epsfi.org/ Copy
Vellore Institute of Technology Engineering Entrance Exam (VITEEE)	April	Mathematics/Biology Physics, Chemistry, English	www.vit.ac.in/ Copy
University of Delhi Combined Entrance Exam (DU-CET)	June	Mathematics, Physics, Chemistry,	www.dtu.ac.in/ Copy
Consortium Medical, Engineering & Dental Colleges of Karnataka (COMEDK)	May	Mathematics, Physics, Chemistry,	https://www.comedk.org/ Copy
Admission Test for ICFAI Science & Technology (ATIT)	May	Mathematics, Physics, Chemistry, English	www.icfaiuniversity.in/atit/btech_program.html Copy
Combined Written Admission Test (CWAT)	May/June	Botany Zoology Physics, Chemistry,	acds.co.in/ Copy
SRM University Engineering Exam (SRMUEE)	April	Mathematics, Physics, Chemistry, Biology	www.srmuniv.ac.in/ Copy
Manipal University Online Entrance Exam (MU-OEE)	March/April	Mathematics, Physics, Chemistry, Biology	manipal.edu/ Copy

College	Tentative Date	Important Elements	Website
Indraprastha University Common Entrance Test (IPUCET)	May	Mathematics, Physics, Chemistry,	www.ipu.ac.in/ Copy

Postgraduate

College	Tentative Date	Important Elements	Website
Graduate Aptitude Test in Engineering (GATE) (Postgraduate)	Jan/Feb	All Branches of engineering	www.gate.iisc.ernet.in/ Copy



Work Description

- Consult and advise producers, directors and performers to identify the sound requirements
- Apply technical knowledge & experience in the domain of sound recording to help clients achieve the desired artistic objectives
- Evaluate the audibility of region and also manage the overall assembly of the required equipments
- Integrate and synchronize audio effects with visual content
- Create sound effects which are used in shows, movies, broadcasting and television
- Mix and balance music, special effects, speech and video graphics



Pros & Cons of a Career in Sound Engineering

Pros

- Will find opportunities to work with TV and Film Personalities, editors, directors, singers
- Combines passion for music and engineering
- Great prospects in the near future

Cons

- Need additional certification and experience to move ahead
- Can be confused with jobs like DJing and Music Composer
- May not make enough money at initial stages

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