

TRAINING

Safety Through Knowledge

SUMMER SCHOOL 2017

A week of Technical Theatre Training

Warwick Arts Centre
University of Warwick, Gibbet Hill Road,
Coventry, CV4 7AL

Monday 31 July – Saturday 5 August
Start time each day 10.00am

SILVER Certificated* Award for *Theatre Sound Technicians*
Your Passport to Safety

SILVER courses are open to successful BRONZE Award candidates or those who have achieved equivalent skill and knowledge.

Work at height with PPE

This is intended as an introduction to working at height in the entertainment industry. The module includes methods and best practice in using personal protective equipment for working at height. Its aim is to impart knowledge about using PPE when working at height and an understanding of the *Work at Height Regulations*.

Electronics Fundamentals Part 1

The course covers basic electrical/electronic theory and soldering skills, culminating in the analysis and assembly of a battery powered impedance/continuity tester. The course covers voltage, current, power, resistors. Ohms Law, sine wave, square waves, alternating current, direct current, capacitors, inductors, fuses, MCBs, RCDs, diodes and transistors.

Electronics Fundamentals Part 2

This course builds on the theory of Part 1 with an analysis of the components of an integrated circuit, voltage divider, operational amplifier, logic gates and output drivers and looks at typical equipment application within a theatre environment. This course looks at electronics applications within dimmers, lighting and sound control systems which utilise DMX and Ethernet.

Portable Appliance Testing

See Stage Electricians outline for full details on this course element.

Communications

The good sound technician needs to be proficient in sound communication systems used today. The module looks at the different types of communication systems used in theatre to keep the show running reliably: Wired headsets systems; show relay and paging; cue lights; CCTV; analogue and digital wireless talkback systems and how to interface several systems together effectively.

Sound Essentials

Sound Essentials covers the important theoretical knowledge that a competent sound technician needs to understand. Topics covered include: understanding the fundamentals of sound; making the right connections; gain structure; signal to noise ratio; loudspeaker impedance; microphone types and a brief introduction to digital theory.

Advanced Sound

This course covers the more advanced theoretical and practical skills that a sound technician requires. Topics include: sound wave theory; digital theory; MIDI; harmonic series; acoustics; reverberation time and Haas effect. Different styles of sound system plans will be examined and there will be a practical exercise using a computerised playback system. The course will also look at the knowledge required to design sound systems for musical theatre. Aspects discussed will be: different approaches to using microphones and loudspeakers; the use of radio microphones and in-ear monitoring; the effect that the venue acoustics will have on the sound and finally the part that the audience plays in the process.

Followed by Silver Award Sound Test

** Royal Conservatoire of Scotland accreditation*

NB: All payments are non-refundable; please contact ABTT as soon as possible if you anticipate any problems in attending the course for which you have booked and we shall do our utmost to assist you in finding a suitable opportunity to participate in the training you desire.



Web: www.abtt.org.uk
Tel: 020 7242 9200
Email: office@abtt.org.uk



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BOOKING FORM

The cost of this Award for those with ABTT membership is £720 + VAT added at the current rate.
(The cost includes RCS certification, copies of relevant ABTT Codes of Practice & Training Log book)

Individuals should enclose a deposit of £100 made payable to THEATRICAL TRADING LTD to reserve a place on this course. [Note your place cannot be confirmed without a deposit] Non-membership cost £820 + VAT.

Name:

ABTT Membership No:

Address:

Telephone Number: Email:

Please supply information about accommodation: yes No (please tick)

- To secure a place on the SILVER AWARD for *Theatre Sound Technicians* please do one of the following:

TO PAY BY CHEQUE:

I enclose a cheque for the full amount of(inc VAT) to be made payable to: *THEATRICAL TRADING LTD*.

TO BE INVOICED: (Purchase Order Number is essential otherwise we cannot process)

Name & address of Organisation to be invoiced if different from above:

Name:

Address:

Purchase Order No:

CREDIT CARDS. IMPORTANT: ONLY SEND BY POST, *DO NOT EMAIL* PAYMENT DETAILS.
I agree for the full amount of(inc VAT) to be deducted from my account

Type of Card Name on Card

Credit Card Number:

Expiry Date: Sec Code (last 3 digits): Issue No: (Debit Card Only)

Please complete and return with your remittance to:
ABTT, Fourth Floor, 55 Farringdon Road, London, EC1M 3JB
Marked: ABTT Training/SILVER – Theatre Sound Technicians