

TRAINING

Safety Through Knowledge

SUMMER SCHOOL 2014

A week of Technical Theatre Training

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

**Monday 28 July – Saturday 2 August
Start time each day 10.00am**



Web: www.abtt.org.uk

Tel: 020 7242 9200

Email: office@abtt.org.uk

SILVER Certificated* Award for *Theatre Sound Technicians*

Your Passport to Safety

SILVER courses are open to successful BRONZE Award candidates.

- **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 heights. Its aim is to impart knowledge using PPE when working at height and an understanding of the Work at Height Regulations.
- **Electronics Fundamentals 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, ECB, ELCB, diodes and transistors.
- **Electronics Fundamentals 2**
This builds on the theory of Part one with an analysis of integral 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 will look at theatre application within dimmers, lighting and sound control systems using DX and Ethernet.
- **Sound Essentials**
The first of a series of courses dealing with sound techniques. Sound Essentials covers the important theoretical knowledge that an otherwise competent sound engineer or venue 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.
- **Sound Communications**
The good sound engineer or theatre 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 Acoustic**
This course will cover the more advanced theoretical and practical skills that a sound engineer or venue technician may need to know. Topics in Advanced Sound include sound wave theory, digital theory, MIDI, harmonic series, acoustics, reverberation time, Haas effect. Different styles of drawing 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. Many aspects will be examined from the 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.



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BOOKING FORM

The cost of this Award is £720 + VAT added at the current rate

(The cost includes RCS certification, copies of relevant ABTT Codes of Practice & Training Log book)

Individual should enclose a deposit of £100 made payable to THEATRICAL TRADING LTD to reserve my place on this course. [Note your place cannot be confirmed without a deposit]

Name:

ABTT Membership No:

Address:

.....

Telephone Number:

Email:

Accommodation information yes No (please tick)

- To secure a place on the SILVER AWARD for *Theatre Sound Technicians* course 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:

TO PAY BY CREDIT CARD:

I agree for the full amount of(inc VAT) to be deducted from my account

Type of CardName 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