



Warwick Arts Centre, University of Warwick,  
Gibbet Hill Rd, Coventry CV4 7AL  
Monday 8th - Friday 12th August 2022  
10.00am Start



**PROMOTING  
TECHNICAL  
EXCELLENCE**

22 Charing Cross  
Road, London,  
WC2H 0QL

0207 242 9200

[www.abtt.org.uk](http://www.abtt.org.uk)

## SILVER AWARD THEATRE SOUND ENGINEERS

**ABTT is now offering the Silver Certificated Award for Theatre Sound Engineers:**



### What is the Silver Award for Theatre Sound Engineers?

The Silver Award is a five day course which gives candidates more in-depth knowledge and understanding of best practice in Theatre Sound Engineering. It allows candidates to specialise further and validate experience in a specific area whilst progressing on from the Bronze Award.

### Who can do the course?

Candidates wanting to pursue a Silver Award in Theatre Sound Engineering should have gained equivalent knowledge and skills covered by the Bronze Award prior to considering undertaking this course.

### How is the course structured?

The course is split into five sections, these include:

1. In-service Inspection and Testing of Electrical Equipment (PAT)
2. Sound Essentials,
3. Sound, Acoustics & Design,
4. Electronics Fundamentals - Part 1,
5. Electronics Fundamentals – Part 2.

The training is followed by the Silver Award Test.

### Whats do the modules cover?

Module 1: will set out systems to organise the in-service inspection and testing of theatre electrical equipment and how to comply with the Electricity at Work Regulations. The course includes visual inspection and electrical testing; testing periods; record keeping; system of inspection and testing; selection of suitable testing instruments, inspection requirements and the need to 'risk assess' the requirement for inspections and test.

Module 2 and 3: cover important theoretical and practical skills you need to understand, such as fundamentals of sound, making the right connections, gain structure, signal to noise ratio, loudspeaker impedance, microphone types & digital theory. This also includes sound wave theory, digital theory, MIDI, harmonic series, acoustics, reverberation time, Haas effect, drawing sound system plans, computerised playback systems and the knowledge to design sound systems for musical theatre. We will also cover communication systems in theatre required to run shows. Wired headsets systems, show relay and paging, cue lights, CCTV, analogue and digital wireless talkback systems and how to interface several systems together. **(Module 3 will include an evening session between 6pm-8pm).**

Module 4 and 5: teach basic electronic theory and soldering skills, passive-basic semiconductor components, simple circuits, common power components and fuses. Kirchoff's Laws, AC/DC, power, energy, Ohm's Law, resistor networks, capacitor networks, inductors, transformers, switches and electronic switches, potential divider circuits, passive filters, impedance, diodes & LEDs, AC rectification, fuses, MCBs, RCDs. Sensors and actuators and Boolean logic.





**Course Costs**

£945+ VAT for Non-Members  
£830 + VAT for ABTT Members  
Cost includes RCS certification to SCQF Level 8,  
relevant ABTT Codes of Practice & Training Log book.  
(A £100 deposit is required to secure your place).



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**SILVER AWARD TRAINING REGISTRATION FORM**

**Please complete the application below for the Silver Award:**  
Monday 8th - Friday 12th August 2022

Name: ..... Membership No: .....

Address:.....

..... Postcode:.....

Telephone Number:(home & mobile).....

Email: .....

Please indicate past relevant experience and/or the date and location of any ABTT Bronze Award previously completed:

.....

Please indicate if you require any assistance during the course e.g dyslexia/disability etc.:.....

.....

I agree to observe social distancing and if required wear respiratory Personal Protective Equipment and disposable gloves throughout the duration of this course.

Signature:.....

**To pay by online:** Please go to the ABTT Online Shop, click "ABTT Courses" and select the correct training course you wish to pay for. To obtain membership discount please ensure you log in to the website prior to purchase.

**To pay by credit card:** Please call the office on 0207 242 9200 and we will happily assist.

**To be invoiced please fill in all the information below:**

Name: ..... Purchase Order No: .....

Address:.....

.....

Accounts Email..... Postcode: .....

Please complete and return with your remittance to the ABTT Office.

