



Course Location

Warwick Arts Centre, University of Warwick,
Gibbet Hill Rd, Coventry CV4 7AL
Monday 29th July - Saturday 3rd August 2019
10.00am - 5pm approx.



PROMOTING TECHNICAL EXCELLENCE

📍 Fourth Floor,
55 Farringdon Road,
London, EC1M 3JB
☎ 0207 242 9200

🌐 www.abtt.org.uk

SILVER AWARD FOR STAGE TECHNICIANS

ABTT is now offering the Silver Certificated Award for Stage Technicians:



What is the Silver Award for Stage Technicians?

The Silver Award is a six day course which gives candidates more in-depth knowledge and understanding of best practice in the subject. 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 the Silver Award for Stage Technicians should have gained the knowledge and skills covered by the Bronze Award prior to considering undertaking this course.



How is the course structured?

The course is split in to six sections, these include:

1. In-Service Inspections for Lifting Gear & Safe Use of Slings - Part One, 2. In-Service Inspections for Lifting Gear & Safe Use of Slings - Part Two, 3. Practical Rigging - Part One, 4. Practical Rigging - Part Two. 5. Work at Height with Personal Protective Equipment (PPE) and 6. Stage Structures. The training is followed by the Silver Award Test.



What do the modules cover?

Modules 1 and 2 cover theory and regulations such as the Machinery Directive/ Supply of Machinery, (Safety) Regulations; Lifting Operations & Lifting Equipment Regulations (LOLER) and Provision and Use of Work Equipment Regulations (PUWER). We also cover the practical element of inspecting and use of lifting gear.

Modules 3 and 4 have a strong practical basis and teaches how to rig chain hoists and trusses including the on-site construction of steel wire rope slings and the use of prefabricated ones. The procedure for use and safe operation of electric chain hoists is fully explained. Candidates must have completed Part 1 to undertake Part 2.

Module 5 is intended as an introduction to working at height in the entertainment industry. The module includes methodology 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.

Module 6 provides basic engineering concepts applicable to stages and scenery. The aim is to impart an awareness of mechanical and structural principles; giving the technician an appreciation of engineering issues relating to stage structures. Topics include: beams, columns & ties; forces and types of loading; modes of failure; joints and supports; mechanical advantage and design standards. Realistic examples and practical experience will be covered through presentation and discussion.





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SILVER AWARD FOR THEATRE ELECTRICIANS

ABTT is now offering the Silver Certificated Award for Theatre Electricians:



What is the Silver Award for Theatre Electricians?

The Silver Award is a six day course which gives candidates more in-depth knowledge and understanding of best practice in the subject. 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 the Silver Award for Theatre Electricians should have gained the knowledge and skills covered by the Bronze Award prior to considering undertaking this course.



How is the course structured?

The course is split in to seven sections, these include:

1. Electronics Fundamentals - Part One, 2. Electronics Fundamentals – Part Two, 3. Electrical Inspection and Testing - Part One, 4. Electrical Inspection and Testing – Part Two, 5. Electrical Installation, 6. Work at Height with PPE and 7. Portable Appliance Testing. The training is followed by the Silver Award Test.



What do the modules cover?

Modules 1 and 2 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, resistor networks, capacitor networks, inductors, transformers, switches and electronic switches, potential divider circuits, passive filters, impedance, diodes & LEDs, AC rectification, fuses, MCBs, RCDs. Sensors, actuators and Boolean logic are also included.

Modules 3 and 4 teach how to interpret legislation and codes of practice when testing electrical installations. The objective is understanding the requirements of BS 7671 Wiring Regulations and the Electricity at Work Act 1989, including insulation resistance polarity, earth fault loop impedance and residual current device testing.

Module 5 considers circuit design in relation to theatre and studio, highlighting potential problems with cabling installations and how to choose and install the correct cable run - the new requirements of BS7909; 2011, the code of practice for Temporary Electrical Systems for Entertainment.

Module 6 is intended as an introduction to working at height in the entertainment industry. The module includes methodology 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.

Module 7 will set out systems to organise the Portable Appliance Testing (PAT testing) of theatre electrical equipment and how to comply with the Electricity at Work Regulations for inspection & testing. 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.





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SILVER AWARD FOR SOUND ENGINEERS

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



What is the Silver Award for Sound Engineers?

The Silver Award is a six day course which gives candidates more in-depth knowledge and understanding of best practice in the subject. 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 the Silver Award for Sound Engineers should have gained the knowledge and skills covered by the Bronze Award prior to considering undertaking this course.



How is the course structured?

The course is split in to seven sections, these include:

1. Electronics Fundamentals Part One, 2. Electronics Fundamentals – Part Two, 3. Sound Communications 4. Sound Essentials, 5. Advanced Sound, 6. Work at Height with Personal Protective Equipment (PPE), 7. Portable Appliance Testing. The training is followed by the Silver Award Test.



What do the modules cover?

Modules 1 and 2 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, resistor networks, capacitor networks, inductors, transformers, switches and electronic switches, potential divider circuits, passive filters, impedance, diodes & LEDs, AC rectification, fuses, MCBs, RCDs. Sensors, actuators and Boolean logic are also included.

Module 3 covers communication systems in theatre required to run smooth shows. Wired headsets systems, show relay and paging, cue lights, CCTV, analogue, digital wireless talkback systems, and how to interface several systems together.

Module 4 covers important theoretical knowledge 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.

Module 5 covers theoretical and practical skills including sound wave theory, digital theory, MIDI, harmonic series, acoustics, reverberation time, Haas effect, drawing sound system plans, computerised playback system and the knowledge to design sound systems for musical theatre.

Module 6: is intended as an introduction to working at height in the entertainment industry. The module includes methodology 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.

Module 7: will set out systems to organise the Portable Appliance Testing (PAT testing) of theatre electrical equipment and how to comply with the Electricity at Work Regulations for inspection & testing. 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.





Course Costs

£720 + VAT for ABTT Members
£820 + VAT for Non-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:

Name: **Membership No:**

Address:

.....

..... **Postcode:**

Telephone Number:

Email:

Please indicate which course you wish to take:

- Silver Stage Technician
 Silver Sound Engineer
 Silver Theatre Electrician

Please indicate if you have completed the ABTT Bronze Award, if not please state what equivalent experience you have, if any:

.....

To pay by cheque:

Please enclose a cheque for the the full amount to be made payable to: THEATRICAL TRADING LTD and post to the Association of British Theatre Technicians at the Fourth Floor,, 55 Farringdon Road, London, EC1M 3 JB

To be invoiced please fill in all the information below:

Name: **Purchase Order No:**

Address:

.....

..... **Postcode:**

To pay by credit card please call the office on 0207 242 9200 and we we happily assist.

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

