

Broadcast Technology Fundamentals

Fundamentals of Television. Understand how a live sporting event is conveyed from the venue through broadcaster to home viewers and how each of the intervening pieces of equipment play their part.

Benefits:

If you work in the broadcasting industries you owe it to yourself to take a look “under the hood” every now and then. Work better by getting to know some of the more common technical language of broadcasting in this easy to understand one-day course.

What you will learn:

- Getting “English Premiere League” soccer to home viewers- what is involved?
- How A picture is sent down the wire as a television signal.
- How colour television works.
- How a videotape recorder works, recording both pictures and sound on the same tape.
- How channel branding and graphics are overlaid over the programme.
- About digital compression systems and how they are used in multi-channel television.
- transmission

For who:

- New staff or newcomers to the industry wishing to gain a technical overview of the broadcast television.
- Applicable as an introductory course for broadcasting professions at all level:
- Broadcast Operation Officers, Network Operators, Operation Staff, Operation Supervisors, Presentation Officers, Engineers, Maintenance Engineers, Studio Crew, Location or Outside Broadcast Crew, Technical Producers, Promo Producers, Studio Directors, Videotape Editors, Post-Production Editors, Schedulers, Loggers, Traffic Personnel, Operations Managers, Department Managers or anyone interested in how television works.

Supported by:

Stimulating Learning features:

- A purpose-built lab featuring a cross-section of professional broadcast equipment.
- Practical and demo to show television in action.
- Exercises and worksheets to ensure understanding and knowledge retention.

Course Outline:

- **From venue to viewers.**
Role-play: the satellite TV Chain.
Cameras, Location Truck/OB van and satellite uplink.
Down linking the signal.
Recording it for delayed telecast.
Dressing the signal up with value-added elements.
Presenting it to viewers.
The transmitter- actually getting the final signal to viewers.
- **Sending pictures over a wire (or radio link)**
Telephones or sending audio down a wire.
Similarities between a fax machine and a television camera.
Scanning a picture into lines
Re-assembling the lines into a whole picture.
- **Colour television.**
Red, Green and Blue gives white.
Colour bars.
Different kinds of colour TV: PAL, NTSC and digital.
- **Video tape recorders.**
Helical scan heads for video.
Fixed head for audio.
- **Overlaying graphics.**
Superimposing graphics with a keyer.
Getting a transparent background.
- **Digital Compression and transmission.**
Getting more than one channel down the same wire;
Multiplexing.
Conditional access and subscription revenue.

Supported by:

Venue:

DigiWorkz, located at The School of Film & Media Studies in Ngee Ann Polytechnic, to provide broadcasters and production house with hands on skills taught by expert trainers.

Duration:

1 day course (9.30 am to 5.30 pm)

Fees:

S\$ 490.00 (before 7% GST)

Contact:

Ho Siew Mun
siewmun@editecintl.com

Supported by:



REGISTRATION FORM

Please fax this form to (65) 62828 039 to book your place

Yes! Please register the following participant(s) for this course.

Broadcast Technology Fundamentals

Course fees: **S\$ 490.00** (before 7% GST) Duration: **1 day**

Course dates: ____/____/____ to ____/____/____

1) Name (Dr/Mr/Mrs/Ms).....
Title:
Email:

2) Name (Dr/Mr/Mrs/Ms).....
Title:
Email:

Company:

Address:

Email:

Tel: Fax:

Nature of Business:

Important notice:

Payment must be received **7 days prior to the course** to guarantee your place.

Method of payment:

Please arrange a crossed cheque or bank draft made payable to EDITEC INTERNATIONAL PTE LTD.
And mail your payment together with a copy of this registration to:

61 Tai Seng Avenue,
#05-01 UE Print Media Hub,
Singapore 534167

Enclosed is our cheque /draft for S\$

Overseas delegates may pay by **telegraphic transfer** into the account of Editec International Pte Ltd to the following account:

Account No.932-343-086-8
United Overseas Bank
Block 803 King George's Avenue
#01-242/244
Singapore 200803

Please quote "name of course" and your company name in your payment instructions.

Cancellation and transfers:

If you are unable to attend, a substitute delegate is welcome at no extra charges. Please provide the name and title of the substitute delegate at least 3 days prior to the seminar.

A full refund less 10% admin charge will be given for cancellation received in writing 14 days before commencement of the course.

Supported by:



Broadcast Technology Fundamentals

Fundamentals of Television. Understand how a live sporting event is conveyed from the venue through broadcaster to home viewers and how each of the intervening pieces of equipment play their part.

Benefits:

If you work in the broadcasting industries you owe it to yourself to take a look “under the hood” every now and then. Work better by getting to know some of the more common technical language of broadcasting in this easy to understand one-day course.

What you will learn:

- Getting “English Premiere League” soccer to home viewers- what is involved?
- How A picture is sent down the wire as a television signal.
- How colour television works.
- How a videotape recorder works, recording both pictures and sound on the same tape.
- How channel branding and graphics are overlaid over the programme.
- About digital compression systems and how they are used in multi-channel television.
- transmission

For who:

- New staff or newcomers to the industry wishing to gain a technical overview of the broadcast television.
- Applicable as an introductory course for broadcasting professions at all level:
- Broadcast Operation Officers, Network Operators, Operation Staff, Operation Supervisors, Presentation Officers, Engineers, Maintenance Engineers, Studio Crew, Location or Outside Broadcast Crew, Technical Producers, Promo Producers, Studio Directors, Videotape Editors, Post-Production Editors, Schedulers, Loggers, Traffic Personnel, Operations Managers, Department Managers or anyone interested in how television works.

Supported by:

Stimulating Learning features:

- A purpose-built lab featuring a cross-section of professional broadcast equipment.
- Practical and demo to show television in action.
- Exercises and worksheets to ensure understanding and knowledge retention.

Course Outline:

- **From venue to viewers.**
Role-play: the satellite TV Chain.
Cameras, Location Truck/OB van and satellite uplink.
Down linking the signal.
Recording it for delayed telecast.
Dressing the signal up with value-added elements.
Presenting it to viewers.
The transmitter- actually getting the final signal to viewers.
- **Sending pictures over a wire (or radio link)**
Telephones or sending audio down a wire.
Similarities between a fax machine and a television camera.
Scanning a picture into lines
Re-assembling the lines into a whole picture.
- **Colour television.**
Red, Green and Blue gives white.
Colour bars.
Different kinds of colour TV: PAL, NTSC and digital.
- **Video tape recorders.**
Helical scan heads for video.
Fixed head for audio.
- **Overlaying graphics.**
Superimposing graphics with a keyer.
Getting a transparent background.
- **Digital Compression and transmission.**
Getting more than one channel down the same wire;
Multiplexing.
Conditional access and subscription revenue.

Supported by:

Venue:

DigiWorkz, located at The School of Film & Media Studies in Ngee Ann Polytechnic, to provide broadcasters and production house with hands on skills taught by expert trainers.

Duration:

1 day course (9.30 am to 5.30 pm)

Fees:

S\$ 490.00 (before 7% GST)

Contact:

Ho Siew Mun
siewmun@editecintl.com

Supported by:



REGISTRATION FORM

Please fax this form to (65) 62828 039 to book your place

Yes! Please register the following participant(s) for this course.

Broadcast Technology Fundamentals

Course fees: **S\$ 490.00** (before 7% GST) Duration: **1 day**

Course dates: ____/____/____ to ____/____/____

1) Name (Dr/Mr/Mrs/Ms).....
Title:
Email:

2) Name (Dr/Mr/Mrs/Ms).....
Title:
Email:

Company:

Address:

Email:

Tel: Fax:

Nature of Business:

Important notice:

Payment must be received **7 days prior to the course** to guarantee your place.

Method of payment:

Please arrange a crossed cheque or bank draft made payable to EDITEC INTERNATIONAL PTE LTD.
And mail your payment together with a copy of this registration to:

61 Tai Seng Avenue,
#05-01 UE Print Media Hub,
Singapore 534167

Enclosed is our cheque /draft for S\$

Overseas delegates may pay by **telegraphic transfer** into the account of Editec International Pte Ltd to the following account:

Account No.932-343-086-8
United Overseas Bank
Block 803 King George's Avenue
#01-242/244
Singapore 200803

Please quote "name of course" and your company name in your payment instructions.

Cancellation and transfers:

If you are unable to attend, a substitute delegate is welcome at no extra charges. Please provide the name and title of the substitute delegate at least 3 days prior to the seminar.

A full refund less 10% admin charge will be given for cancellation received in writing 14 days before commencement of the course.

Supported by:

