

# LS of South Africa Training Academy

## TRAINING CALENDAR

**2024**



**LS Multi Copter Projects and Services  
(Pty) LTD  
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Dear Client,

The LS of South Africa Training Academy has developed several training courses in the radio engineering, telecommunication and spectrum management industry as very few courses in this field of industry are available in South Africa and SADC.

The training calendar shown on Page 63, reflects the training dates for the following courses on offer:

#### **BROADCAST**

- DVB-T2 Technology
- Broadcast Planning for FM/TV & DTT (using CHIRplus\_BC)
- Fundamentals to Broadcast Engineering
- RF Electromagnetic (EMF) Radiation Exposure Measurements
- FM Broadcast Engineering
- FM Radio 101
- Digital Radio Fundamentals
- Digital Video Broadcasting Head-ends
- Theory of Satellite and Digital Television Decoders
- Repair and Replace Broadcast Equipment

#### **SPECTRUM MANAGEMENT**

- Spectrum Management
- Spectrum Monitoring
- Spectrum Management, Planning and Spectrum Monitoring
- Spectrum Management, Planning and Foundation of Telecoms Regulations
- Spectrum Analyser

#### **DIGITAL MOBILE AND MICROWAVE**

- Microwave Link Planning
- Introduction to 5G

#### **RADIO NETWORK PLANNING**

- Radio Network Planning

#### **REGULATORY AND OTHER**

- Foundation of Telecommunication Regulation
- Fundamentals of Networking

The Training Academy is a MICTSETA (Media, Information and Communication Technologies Sector Education and Training Authority) accredited training provider for the following SAQA registered unit standards within the Broadcast Engineering Certificate (SAQA #48792):

- Calculate Interferences for Broadcast Frequencies (#115028)
- Predict Broadcast Signal Coverage (#115032)
- Modify an International Telecommunication Union Assignment Plan (#115034)
- Add New Services to Conditional Access Systems (# 115042)
- Implement Fault-finding techniques in electronic systems (# 115054)
- Operational Principles and Circuit Theory of Satellite and Digital Television Decoders (#115027)
- Repair and Replace Broadcast Equipment (#115041)

The enclosed document provides a short synopsis of the training courses as indicated above. Course fees are available on request. Prices vary from individuals to groups.

We wish to offer training courses that responds to our client's needs and trust that the training courses would meet your expectations. If you have any questions, please do not hesitate to contact us.

Yours sincerely,

Dorothea Schutte

LS of South Africa Training Academy



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## **1      2024 Training Calendar**

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The training courses will be provided on the dates indicated below unless otherwise agreed.

## LS of SOUTH AFRICA TRAINING ACADEMY

### 2024 TRAINING CALENDAR

BROADCAST		
TRAINING COURSE	DURATION	DATE
DVB-T2 Technology (Theory and Practical)	4 days	03.- 06.06.2024
DVB-T2 Technology (Theory and Practical)	4 days	02.- 05.09.2024
DVB-T2 Technology (Theory and Practical)	4 days	04.- 07.11.2024
Broadcast Planning using CHIRplus_ BC	4 days	04.- 07.03.2024
Broadcast Planning using CHIRplus_ BC	4 days	01- 04.07.2024
Broadcast Planning using CHIRplus_ BC	4 days	11.- 14.11.2024
Fundamentals to Broadcast Engineering	1 day	01.02.2024
Fundamentals to Broadcast Engineering	1 day	27.06.2024
Fundamentals to Broadcast Engineering	1 day	19.11.2024
RF Electromagnetic Radiation Exposure Measurements	3 days	25.- 27.03.2024
RF Electromagnetic Radiation Exposure Measurements	3 days	19.- 21.06.2024
RF Electromagnetic Radiation Exposure Measurements	3 days	20.- 22.11.2024
FM Broadcast Engineering (Theory and Practical)	8 days	19.- 28.02.2024
FM Broadcast Engineering (Theory and Practical)	8 days	13.- 22.05.2024
FM Broadcast Engineering (Theory and Practical)	8 days	14.- 23.10.2024
FM Radio 101	1 day	31.01.2024
FM Radio 101	1 day	16.04.2024
FM Radio 101	1 day	22.08.2024
Digital Radio Fundamentals	1 day	17.04.2024
Digital Radio Fundamentals	1 day	18.06.2024
Digital Radio Fundamentals	1 day	07.08.2024
Digital Video Broadcasting Head-ends	1 day	18.04.2024
Digital Video Broadcasting Head-ends	1 day	23.08.2024
Theory of Satellite and Digital Television Decoders	2 days	11.- 12.03.2024
Theory of Satellite and Digital Television Decoders	2 days	06.- 07.05.2024
Theory of Satellite and Digital Television Decoders	2 days	26.- 27.08.2024
Repair and Replace Broadcast Equipment	2 days	10.- 11.06.2024
Repair and Replace Broadcast Equipment	2 days	19.- 20.08.2024

**LS of SOUTH AFRICA TRAINING ACADEMY**  
**2024 TRAINING CALENDAR**

SPECTRUM MANAGEMENT		
TRAINING COURSE	DURATION	DATE
Spectrum Management	3 days	18.- 20.03.2024
Spectrum Management	3 days	27.- 29.05.2024
Spectrum Management	3 days	15.- 17.07.2024
Spectrum Management	3 days	28.- 30.10.2024
Spectrum Monitoring	1 day	14.03.2024
Spectrum Monitoring	1 day	18.07.2024
Spectrum Management, Radio Network Planning and Spectrum Monitoring	5 days	08.- 12.04.2024
Spectrum Management, Radio Network Planning and Spectrum Monitoring	5 days	09.- 13.09.2024
Spectrum Management, Radio Network Planning and Foundation of Telecoms Regulation	5 days	08.- 12.07.2024
Spectrum Management, Radio Network Planning and Foundation of Telecoms Regulation	5 days	07.- 11.10.2024
Spectrum Analysis refresher course	2 day	09.- 10.05.2024
Spectrum Analysis refresher course	2 day	05.- 06.08.2024
DIGITAL MOBILE AND MICROWAVE		
TRAINING COURSE	DURATION	DATE
Microwave Link Planning	3 days	05.- 07.02.2024
Microwave Link Planning	3 days	22.- 24.04.2024
Microwave Link Planning	3 days	12.- 14.08.2024
Microwave Link Planning	3 days	16.- 18.09.2024
Microwave Link Planning (Theory and Practical)	4 days	05.- 08.02.2024
Microwave Link Planning (Theory and Practical)	4 days	22.- 25.04.2024
Microwave Link Planning (Theory and Practical)	4 days	12.- 15.08.2024
Microwave Link Planning (Theory and Practical)	4 days	16.- 19.09.2024
Introduction to 5G	1 day	23.05.2024
Introduction to 5G	1 day	01.08.2024
RADIO NETWORK PLANNING		
TRAINING COURSE	DURATION	DATE
Radio Network Planning	3 days	03.-05.04.2024
Radio Network Planning	3 days	24.- 26.06.2024
Radio Network Planning	3 days	25.- 27.09.2024
Radio Network Planning	3 days	01.- 03.10.2024
REGULATORY AND OTHER		
TRAINING COURSE	DURATION	DATE
Foundation of Telecommunication Regulation	2 days	29.- 30.04.2024
Foundation of Telecommunication Regulation	2 days	29.- 30.07.2024
Fundamentals of Networking	2 days	02.- 03.05.2024
Fundamentals of Networking	2 days	13.- 14.06.2024
Fundamentals of Networking	2 days	24.- 25.10.2024



## 2 Terms and Conditions

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### Scheduled Training Course

The LS of South Africa Training Academy provides scheduled training courses as indicated in the Training Calendar. Dates can be rescheduled to accommodate the client's needs.

### Customised Training Courses

Training courses can be customised to the client's needs. Full flexibility on course content, duration of course and scheduling of course dates. Customised training can be held at the premises of the Training Academy or at the clients preferred choice of site or venue.

Our classroom training method has also been extended to on-line learning platforms for groups upon request. Learning is therefore no longer limited by distance and travel restrictions.

### Training Time Schedule

If not marked differently the training starts at 9:00 am and ends at 5:00 pm.

### Course Fee

1. Course fees are available on request. Prices vary from individual to groups.
2. Register 5 or more delegates for one training course and receive discount.
3. Each price is quoted in South African Rand and exclude Value Added Tax (VAT) for South African customers.
4. The course fee must paid in full (unless expressly agreed otherwise) latest 10 working days prior to the course start date in order to guarantee a seat.
5. Delegates are not allowed to attend courses if payment has not been made.
6. The course fee includes course material, refreshing beverages, snacks and a **light lunch** during training courses.
7. Travelling costs, accommodation and living expenses for the delegates are not included.
8. Prices are exclusive of all taxes, fees, levies, customs duties raised outside South Africa.
9. All additional costs for training at locations other than at the LS of South Africa Training Academy will be borne by die client.

### Banking Detail:

Supplied on Tax Invoice.

### Application

1. A Learner Admission Application form must be completed and returned to the LS of South Africa Training Academy latest 21 working days prior to the training course start date.
2. Once delegate is notified of his/her acceptance to enrol, the delegate must complete the registration form and return it by e-mail to the LS of South Africa Training Academy latest 15 working days prior to start date of the course.



**Minimum number of attendees**

LS of South Africa Training Academy reserves the right to change the course date or cancel the course if the number of delegates is insufficient.

**Language**

The courses will be held in English unless stated otherwise. The course documentation is in English.

**Certificates**

Certificates of participation will be awarded to all those who complete a course.

**Location**

The scheduled courses are held at the LS of South Africa Training Academy in Ruimsig, Johannesburg, South Africa, unless stated otherwise. Training courses are offered on-site by special arrangement.

**Data protection**

As an attendee you agree that we keep and process your personal data to manage and administer the training course and to keep you informed of future training courses on offer.

**COVID-19 policy**

All COVID-19 health and safety protocols and measurements are applied at the training academy.

**Withdrawal policy**

1. Cancellations may be made free of charge up to 13 working days prior to the start of the training course.
2. After this time, a cancellation charge of 80% of the course fee applies. Withdrawals must be confirmed in writing prior to the course start date, otherwise the full amount will be due.
3. Substitutions may be applied for in writing 5 working days prior to the course starting date.

**Disclaimer**

1. The LS of South Africa Training Academy reserves the right to change or cancel any part of its published programme due to unforeseen circumstances.
2. Your registration alone does not constitute a binding agreement and requires our written approval which regularly can be assumed by our invoice.

## 3 Our Clients

