Datastat Research
Building Capacity in Training and Research

DATASTAT TRAINING IN

OFFICIAL COURSE PROSPECTUS

Center for Advanced Research & Professional Development

Nairobi Training Center • Global Virtual Academy • Corporate On-Site

TRAFFIC MANAGEMENT & ROAD SAFETY

Work Zone Safety - Planning and Supervision Training Course

Comprehensive Course Syllabus, Practical Modules & Upcoming Schedules

PROGRAM SPECIFICATIONS & HIGHLIGHTS

DURATION
5 Days Practical Hands-on

DELIVERY MODES
In-Person Class & Live Virtual

CERTIFICATION
Accredited Certificate of Completion

INTAKES / DATES
Multiple Cohort Schedules Included

PREPARED FOR:

Valued Participant

Email: training@datastatresearch.org | Issued: November 22, 2026

Academic & Professional Training Year: 2026

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Work Zone Safety - Planning and Supervision Training Course

Traffic Management & Road Safety • 5 Days Intensive • Accredited Certification

Course Overview

Work Zone Safety - Planning and Supervision Training Course leverages the latest industry standards, regulatory frameworks, and cutting-edge safety technologies to enhance risk mitigation, optimize workflow, and ensure compliance.

Key Skills & Software Tools Covered

ms Word

Upcoming Training Schedules

Confirmed cohort intakes and venues. Both physical in-person classroom and live virtual online seats are available.

TRAINING DATES	LOCATION / VENUE	FORMAT / DURATION	INVESTMENT (FEE)
29 Dec 2025 – 2 Jan 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
29 Dec 2025 – 2 Jan 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Cape Town	Classroom / 5d	**$4,500 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Addis Ababa	Classroom / 5d	**$3,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Singapore	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Istanbul	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Bangkok	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Accra	Classroom / 5d	**$4,000 USD / KES 90,000**
5 Jan 2026 – 9 Jan 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
5 Jan 2026 – 9 Jan 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 90,000**
5 Jan 2026 – 9 Jan 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 90,000**

* Corporate discounts and customized cohort scheduling are available for teams of 3 or more participants.

Course Curriculum & Modules

Work Zone Safety - Planning and Supervision Training Course

Introduction

Work Zone Safety is a critical aspect of modern construction and infrastructure projects, emphasizing the protection of both workers and the public while maintaining operational efficiency. With increasing urbanization and complex traffic management challenges, professionals in construction, civil engineering, and project management must be equipped with advanced safety planning and supervision skills. Work Zone Safety - Planning and Supervision Training Course leverages the latest industry standards, regulatory frameworks, and cutting-edge safety technologies to enhance risk mitigation, optimize workflow, and ensure compliance. Participants will gain practical insights into traffic control, hazard assessment, emergency response planning, and leadership strategies essential for supervising safe work zones.

Through interactive training, real-world case studies, and hands-on exercises, this program empowers supervisors, engineers, and safety officers to proactively manage work zone hazards. Participants will develop strategic planning skills, adopt innovative safety solutions, and foster a culture of accountability and continuous improvement. By the end of the course, learners will be capable of implementing robust safety protocols, minimizing incidents, and ensuring operational excellence in dynamic work environments, making them indispensable assets to their organizations.

Course Duration

5 days

Course Objectives

- Master work zone hazard identification and risk assessment techniques.
- Implement traffic control planning for complex and high-risk zones.
- Develop emergency response strategies aligned with regulatory standards.
- Enhance supervisory skills for on-site safety enforcement.
- Apply construction site safety best practices for compliance and efficiency.
- Integrate advanced safety technologies and monitoring systems.
- Conduct incident investigations and corrective action planning.
- Promote safety culture and behavioral safety among workers.
- Optimize resource allocation and workflow planning in high-risk zones.
- Analyze real-world case studies for practical problem-solving.
- Ensure adherence to OSHA, MUTCD, and local safety regulations.
- Implement preventive maintenance and inspection protocols.
- Evaluate and continuously improve work zone performance metrics.

Target Audience

- Construction Project Managers
- Civil Engineers
- Site Supervisors
- Safety Officers and Inspectors
- Traffic Control Coordinators
- Infrastructure Consultants
- Government Regulators and Inspectors
- Urban Planning and Transport Professionals

Course Modules

Module 1: Introduction to Work Zone Safety

- Fundamentals of work zone hazards
- Regulatory frameworks (OSHA, MUTCD)
- Safety risk assessment methodology
- Introduction to traffic management principles
- Case Study: Multi-lane highway construction project

Module 2: Work Zone Planning and Design

- Site layout optimization
- Traffic diversion and lane closure strategies
- Safety signage and barrier placement
- Risk-based scheduling techniques
- Case Study: Urban road expansion project

Module 3: Hazard Identification and Risk Assessment

- Identifying high-risk activities
- Quantitative and qualitative risk assessment
- Safety audits and inspections
- Worker exposure evaluation
- Case Study: Nighttime bridge repair operations

Module 4: Traffic Control and Management

- Temporary traffic control devices
- Flagging procedures and protocols
- Coordination with local authorities
- Incident response and detour planning

- Case Study: Major city intersection upgrade

Module 5: Emergency Preparedness and Response

- Incident reporting protocols
- Emergency evacuation planning
- On-site medical response coordination
- Crisis communication strategies
- Case Study: Tunnel construction fire scenario

Module 6: Supervisory Skills for Safety Compliance

- Leadership in work zone safety
- Motivating teams and enforcing standards
- Monitoring contractor safety performance
- Safety documentation and reporting
- Case Study: Large-scale highway maintenance

Module 7: Safety Technologies and Innovations

- Wearable safety devices
- Real-time monitoring and analytics
- Drones for site surveillance
- AI-driven hazard prediction tools
- Case Study: Smart construction site monitoring

Module 8: Continuous Improvement and Incident Analysis

- Investigating accidents and near misses
- Root cause analysis techniques
- Implementing corrective actions
- Key performance indicators for safety
- Case Study: Post-incident safety transformation in urban development

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@datastatresearch.org or call +254724527104

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to DATASTAT CONSULTANCY LTD account, as indicated in the invoice so as to enable us prepare better for you.

Certification & Learning Methodology

- Hands-on practical delivery with real-world datasets, case studies, and lab exercises.
- Post-training mentorship, access to class resources, and customized follow-up support.
- Participants who successfully complete the course receive an accredited Datastat Certificate of Completion.

How to Enroll & Reserve Your Seat

1. Online Registration: Visit https://datastatresearch.org/courses/work-zone-safety-planning-and-supervision-training-course to register online.
2. Email Booking: Send participant details to training@datastatresearch.org for official invoice & reservation.
3. Support & Assistance: Inquire via phone +254 724 527 104 | +254 734 969 612.