# Urban Road Safety Audit (RSA) Training Course

Professional Development Training Course Outline

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|---|---|---|---|
| **Category** | Traffic Management & Road Safety | **Duration** | 5 Days |
| **Base Fee** | $1,500 USD | **Delivery Mode** | Online / On-site Hybrid |

## Course Introduction

Urban road networks are the backbone of modern cities, facilitating the movement of people, goods, and services. However, with increasing urbanization, traffic congestion, and vehicular diversity, urban areas face a growing risk of road accidents and fatalities. A systematic Road Safety Audit (RSA) is critical to identifying potential safety hazards, mitigating risks, and ensuring sustainable and safe mobility for all road users. Urban Road Safety Audit (RSA) Training Course equips professionals with the skills and knowledge required to conduct effective urban RSAs, using global best practices, data-driven approaches, and innovative safety tools.

The course focuses on proactive road safety management, emphasizing risk assessment, accident prevention, and sustainable urban mobility solutions. Participants will gain practical insights through real-life case studies, hands-on exercises, and interactive discussions. This training empowers engineers, planners, and traffic safety professionals to implement actionable solutions that enhance urban mobility, reduce traffic accidents, and ensure safer streets. By integrating cutting-edge methodologies, participants will develop the expertise to transform urban road networks into safer, smarter, and more resilient infrastructure.

## Programme Curriculum

**Urban Road Safety Audit (RSA) Training Course**

**Introduction**

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**Course Duration**

5 days

**Course Objectives**

1. Understand the fundamentals of Urban Road Safety Audits (RSA) and global best practices.
2. Identify and evaluate high-risk urban road segments using systematic audit techniques.
3. Apply data-driven road safety assessment tools for accident prediction and prevention.
4. Develop strategies for pedestrian and cyclist safety enhancement in urban areas.
5. Analyze traffic flow and congestion patterns to minimize road hazards.
6. Learn techniques for crash investigation and collision analysis.
7. Implement safe urban intersection and corridor design solutions.
8. Conduct road safety audits for new and existing infrastructure.
9. Integrate sustainable urban mobility solutions into safety planning.
10. Design community-based interventions for enhanced traffic safety awareness.
11. Apply geospatial and smart technology tools in road safety assessments.
12. Develop actionable recommendations for policymakers and urban planners.
13. Enhance skills in risk mitigation, monitoring, and evaluation of urban roads.

**Target Audience**

1. Urban transport planners and engineers
2. Road safety auditors and consultants
3. Traffic police and enforcement authorities
4. Civil engineers specializing in road infrastructure
5. Municipal and city planners
6. Public safety and transportation officers
7. Academics and researchers in traffic safety
8. Policy makers in urban mobility and road safety

**Course Modules**

**Module 1: Introduction to Urban Road Safety Audit (RSA)**

- Overview of RSA and its global relevance
- Key principles of urban road safety
- Types of RSAs: Preliminary, Detailed, and Post-Construction
- Safety performance indicators and KPIs
- Case study: Successful RSA implementation in a metropolitan city

**Module 2: Urban Road Accident Analysis**

- Methods for data collection and accident mapping
- Crash frequency and severity analysis
- Identifying black spots and high-risk zones
- Predictive modeling for accident prevention
- Case study: Reducing urban crash hotspots in Delhi

**Module 3: Risk Assessment and Safety Evaluation Techniques**

- Road hazard identification frameworks
- Prioritization of safety risks
- Site visit and field audit procedures
- Use of checklists and audit scoring systems
- Case study: Risk-based road safety planning in Singapore

**Module 4: Pedestrian and Cyclist Safety in Urban Areas**

- Safe crossings and pedestrian infrastructure design
- Bicycle lane planning and protection measures
- Traffic calming measures for mixed-use streets
- Community engagement for non-motorized transport safety
- Case study: Pedestrian-friendly streets in Amsterdam

**Module 5: Safe Urban Intersection and Corridor Design**

- Principles of intersection safety
- Signalization and traffic control optimization
- Geometric design for safety enhancement
- Corridor-level safety evaluation
- Case study: Urban intersection redesign in New York City

**Module 6: Data-Driven Road Safety Solutions**

- GIS and spatial analysis for road safety
- Smart city technology integration
- Accident trend visualization and reporting
- Performance monitoring using dashboards
- Case study: Smart road safety system in Barcelona

**Module 7: Road Safety Management and Policy Framework**

- Urban road safety laws and regulations
- National and international RSA standards
- Stakeholder coordination and policy development
- Road safety culture and community awareness programs
- Case study: Policy-driven road safety improvements in London

**Module 8: Practical Field Exercises and Simulation**

- Conducting a field RSA visit
- Risk identification and documentation exercises
- Developing actionable recommendations
- Reporting and presenting RSA findings

- Case study: Field audit for a busy city corridor

### 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@fineskilltrainingcenter.org or call** +254769199797

**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 Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

## Upcoming Scheduled Sessions

| Start Date | End Date | Location | Price |
|---|---|---|---|
| **23 Nov 2026** | 27 Nov 2026 | Online | $1,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $1,500 |

| Start Date | End Date | Location | Price |
|---|---|---|---|
| **23 Nov 2026** | 27 Nov 2026 | Physical | $3,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $3,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $6,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $4,500 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $6,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $6,000 |

Ready to enroll or request a customized program? Book online or contact us:

**Register Online Now**

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com