BLACKBIRD FOR TRAINING

Road Safety Engineering

Kuala Lumpur (Malaysia)

23 December 2024 - 3 January 2025

UK Traininig

PARTNER

Road Safety Engineering

Code: HS28 From: 23 December 2024 - 3 January 2025 City: Kuala Lumpur (Malaysia) Fees: 8300 Pound

Introduction

This comprehensive safety engineering course is designed for professionals who aim to master the essentials of road safety engineering. Participants will develop a deep understanding of road safety engineering principles, the benefits of road safety audits, and practical methods for designing and implementing safety measures. The course explores the causes of road collisions, road safety and rules, and techniques to enhance road design engineering. Ideal for those in road safety management and engineering roles, this program emphasizes the importance of integrating safety engineering technology and applying best practices in road engineering.

Course Objectives

- Understand the core concepts and terminology in road safety engineering and safety engineering.
- Analyze the causes of road collisions and identify the factors contributing to road safety issues.
- Learn strategies and approaches to improve road safety through engineering and design.
- Develop expertise in collecting and analyzing collision data, crucial for effective safety assessments.
- Conduct thorough road safety audits to evaluate and enhance road infrastructure.
- Apply economic assessments to proposed safety measures and road safety treatments.
- Understand the role of safety engineering principles in promoting safer road environments.

Course Outlines

Day 1: Introduction and Terminology

- Overview of road safety engineering and its significance.
- Introduction to key terminology and definitions within safety engineering.
- Understanding the challenges related to road safety and the role of a road safety professional.

Day 2: Factors Involved in Collisions and Casualties

- Analyzing the dynamics of road collisions.
- The influence of human factors on road safety.
- Environmental and road design factors contributing to collisions.

Day 3: How Collisions Happen and Approaches to Improving Road Safety

- Examining mechanisms and causes of road collisions.
- Identifying preventive strategies and measures to improve road safety.
- Case studies showcasing the benefits of road safety audits.

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Day 4: Principles of Road Safety Engineering

- Core safety engineering principles and their application in road safety.
- The role of engineering design in creating safer roads.
- Integrating safety into road design and infrastructure.

Day 5: Road Safety Issues and Legal Duties

- Addressing current challenges in road safety and road safety rules.
- Understanding the legal obligations related to accident reporting.
- Overview of the regulatory framework and compliance for road safety professionals.

Day 6: Collecting and Analyzing Collision Data

- Techniques and methodologies for data collection.
- Evaluating data sources and ensuring data quality for road safety investigations.
- Using data to monitor and assess road safety and incidents.

Day 7: Collision Investigation and Economic Assessment

- Detailed steps involved in conducting a collision investigation.
- Calculating collision rates and comparing them to industry norms.
- Conducting economic analysis for road safety measures and their implementation.

Day 8: Road Safety Measures and Treatments

- Exploring techniques for speed reduction and traffic control.
- Effective utilization of road signs and markings for enhanced safety.
- Designing road safety solutions for intersections, bends, pedestrian crossings, and cyclist pathways.

Day 9: Skidding Resistance and Safety Scheme Examples

- Understanding the importance of skidding resistance in road safety.
- Designing and maintaining skid-resistant road surfaces.
- Reviewing successful examples of road safety schemes and their impact.

Day 10: Road Safety Audits

- Introduction to conducting effective road safety audits.
- Essential skills and techniques to perform comprehensive audits.
- How to become a qualified road safety auditor.
- Case studies highlighting challenges and solutions in audit processes.

Conclusion

Completing this safety engineering course equips professionals with the expertise to evaluate and enhance road safety measures effectively. Participants will be prepared to apply the principles of road safety engineering and conduct road safety audits to optimize road safety design and engineering solutions. This program ensures a thorough understanding of the practical and strategic elements required for a successful career as a road safety

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engineer or specialist in safety engineering.

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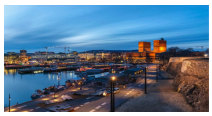
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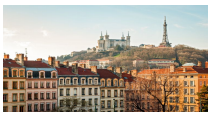
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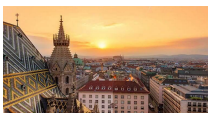
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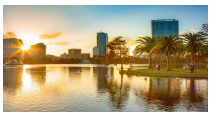
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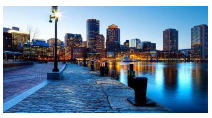
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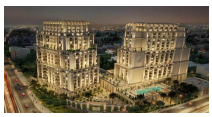
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