



London TDM

# Civil and Construction Engineering Training Courses

**Course Venue:** United Arab Emirates - Dubai

**Course Date:** From 19 July 2026 To 23 July 2026

**Course Place:** Downtown Dubai

**Course Fees:** 5,000 USD

## Introduction

This 5-day professional course on "Building Code Compliance and Regulations" is designed to provide participants with a comprehensive understanding of the critical aspects of building codes, standards, and regulations. Participants will gain knowledge on how to ensure compliance with the current regulatory frameworks, focusing on safety, performance, and sustainability in building design and construction. Through in-depth lectures, practical activities, and case studies, attendees will be equipped with the skills necessary to navigate and implement building codes effectively.

## Objectives

- Understand the fundamental principles of building codes and regulations.
- Identify key compliance requirements for different types of buildings.
- Interpret and apply codes to real-world building projects.
- Evaluate and perform building inspections for code compliance.
- Stay updated with current and evolving building standards and best practices.

## Course Outlines

### Day 1: Introduction to Building Codes and Regulations

- Overview of building codes: history and evolution
- The role of building codes in construction and safety
- Key organizations and regulatory bodies
- Introduction to international and national codes
- Understanding the structure and hierarchy of codes

### Day 2: Compliance and Code Interpretation

- Reading and interpreting building codes
- Differentiating between mandatory codes and standards
- Strategies for ensuring compliance in design and construction
- Case studies on compliance challenges
- Tools and resources for code research

### Day 3: Special Topics in Building Codes

- Fire safety codes and regulations
- Accessibility and universal design standards
- Energy codes and sustainability requirements
- Plumbing, electrical, and mechanical codes
- Renovation and retrofitting: dealing with existing buildings

### Day 4: Building Inspections and Plan Reviews

- The role of inspections in compliance
- Types of inspections and the inspection process
- Effective plan review techniques
- Common pitfalls and errors in plan submissions

- Using technology in inspections and reviews

### **Day 5: Staying Updated and Future Trends in Codes**

- Navigating updates and changes in building codes
- Impact of technology and innovation on building codes
- Future trends: sustainability and high-performance buildings
- The role of continuing education and professional development
- Final assessment and Q&A session