

# Pavement Design Of Roads Course

## Venue Information

---

**Venue:** London UK

**Place:**

**Start Date:** 2026-05-05

**End Date:** 2026-05-09

## Course Details

---

**Net Fee:** £4750.00

**Duration:** 1 Week

**Category ID:** CACETC

**Course Code:** CACETC-39

## Syllabus

---

### Course Syllabus

#### Course Description

This course outlines **pavement design of roads**. All three accepted methods of pavement design are covered, including Soil Factor, R-value thickness, and an introduction to MnPAVE for thickness design. design guide will be used to review the importance of and tools for the following elements of roadway design: data collection and accurate traffic projections; subgrade soil evaluation and best practices for enhancements; pavement section materials and specifications; and best construction practices and their effect on pavement life.

#### Course Objective

- Review soil factor and R-value thickness design
- Introduction to MnPAVE for thickness design (including practical exercises)
- Review subgrade soil evaluation and best construction practices

- types of road pavement
- soil characteristics
- pavement layers
- traffic loads
- design of asphalt mixes using Marshall design method
- Stresses in flexible pavement
- Design of flexible pavement using AASHTO design method
- Performance based tests of asphalt pavement