

BTEC

Highway Maintenance



The logo for TMS, consisting of the letters 'TMS' in white inside a green rounded square.

Course Overview

A four-day course providing a comprehensive study of all aspects of the maintenance of highways, including the inspection and measurement of the conditions of roads, the maintenance of flexible roads, rigid roads, footways, signs and marking, highway structures and the problems of cyclic maintenance and emergency works.

The course is taught as four separate modules, with one day of classroom-based tuition for each module. At the end of each module an assignment will be set. This should be completed by the student and submitted by the start of the next module. There will be around six weeks between the modules, which allow students sufficient time to complete the assignment and hand it in before the next module commences.

Aims and Objectives

The course will provide students with a comprehensive introduction to highway maintenance and will give students the confidence to do this type of work once back in the working environment. The course is valuable to students new to the subject matter or those with practical experience but lack the academic background in the subject area. The qualification is a well-respected demonstration of competence in this area of work.

Topics Covered

The module breakdowns are as follows (including more details overleaf):

Module 1	Introduction to Highway Maintenance
Module 2	Flexible Roads
Module 3	Rigid Roads
Module 4	Highway Structures

Module 1

Introduction to Highway Maintenance

- Maintenance Codes of Practice
- Designing for Maintenance
- Carriageway Assessment and Condition surveys
- Maintenance Rating Systems
- Maintenance Personnel



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Module 2

Flexible Roads

- Faults and Causes
- Planning and Organisation of Surface Dressing
- The Process of Surface Dressing
- Treatments and Faults in Surface Dressing
- Resurfacing
- Recycling
- Patching and Re-instatement
- Reconstruction

Module 3

Rigid Roads

- Faults and Causes
- Inspections
- Surface Repairs
- Joint Repairs
- Structural Repairs
- Routine Maintenance
- Footways
- Defects and Repairs of Signs and Markings

Module 4

Highway Structures

- Components
- Inspection
- Routine Maintenance
- Construction and Major Maintenance
- Cyclic Maintenance
- Emergency Works
- Winter Maintenance



Certification

This course offers a BTEC Level 4 Certificate of Achievement for students through completion of a series of assignments that will be assessed by TMS and Bath College. This course can also contribute to the achievement of a Professional Diploma in Highway Engineering by further study of Highways and Transportation topics from the TMS and Bath College training programme.

Students who attend the course and do not successfully complete the assignments will receive a certificate of attendance providing all four modules / course days are attended. Students are not permitted to attend individual modules: *they must attend all four dates advertised.*

A joint TMS/Bath College Certificate/Diploma will also be issued to students completing the course.

In-House Training

Please note this is now only available as an in-house training course, delivered at your offices or at a suitable venue.

In-house training can often work out more cost effective where you have several members of staff you would like to be trained at any one time. The maximum number of delegates we can train on this course is limited to 16.

If you would like a quotation or further information regarding this training, please contact us on the details below.



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