



The Fundamentals of Asphalt Mix



Domestic Fees

\$1295 per person + GST



International Fees

\$1295 per person + GST



Intakes

27/07/2026

24/08/2026

28/09/2026



Campus

Auckland
Wellington
Christchurch



Duration

2 days



nziht.co.nz



Asphalt paving mix design requires a clear understanding of design standards and specification requirements. Design also demands close attention to the details of testing procedures to ensure an economical blend and gradation of aggregates. Durable asphalt mixes must provide for stability, sufficient voids and workability to permit efficient construction.

This course provides an overview of asphalt mix design and includes the latest design methods from America and Australia. The methods will include Austroads Guide to Pavement Technology and SHRP Superpave Mix Design.

This course also includes an overview of the specification for dense graded, stone mastic and fine graded asphalt paving mixtures NZTA M/10.

This will assist engineers and supervisors in their understanding of the design process and specifications.

Topics Include

- Objectives of mix design
- Desirable mix properties
- A review of non-structural mixes
- Reviewing mix types and practical considerations
- Reviewing mix design and procedures
- Performance based specifications
- Quality assurance
- Production testing and interpretation of test results
- Overview of asphalt manufacture and construction techniques

On completion of this course participants will

- Identify objectives of mix design and the properties required
- Understand methods for the design of non-structural mixes taking practical considerations into account

- Understand the implications of performance based specifications and quality assurance
- Understand the importance of production testing and interpretation of results
- Have an overview of asphalt plant operations and construction techniques

Who should attend

Engineers and supervisors from consulting firms, local authorities and technical staff from contracting firms who are involved in the decision making process for mix types vs location and/or laboratory technicians



Additional Information

Minimum numbers apply before a course is confirmed