

ASPHALT LABORATORY TRAINING

QCTO Aligned

ADVANCED SHORT COURSE

OVERVIEW

The main focus of the learning in this course is to build an understanding of the test methods applicable to the asphalt laboratory. This short course will prepare learners with practical knowledge required as a asphalt materials tester.

COURSE CONTENT

X6 Sampling Test Methods

Sampling from Stockpiles
- TMH5 MB1

Sampling of Bituminous Binders
- TMH5 MB4

Sampling of Previously Blended (ready mixed)
Asphalt
- TMH5 MB7

Sampling of Asphalt or Concrete from
completed layer or structure (Coring)
- TMH5 MC2

Sampling and Sample Preparation of Modified
Binders
- TG1 MB1 AND MB2

Division of a Sample Using the Riffler
- TMH5 MD1

X4 AG Tests Methods

Particle size analysis of aggregates by sieving
- SANS 3001-AG1

Determination of the flakiness index of coarse
aggregate
- SANS 3001-AG4

Determination of the bulk density, apparent
density and water absorption of aggregate
particles retained on the 5 mm sieve for road
construction materials
- SANS 3001-AG20

Determination of the bulk density, apparent
density and water absorption of aggregate
particles passing the 5 mm sieve for
road construction materials
- SANS 3001-AG21

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COURSE CONTENT

X5 AS Test Methods

Making of asphalt briquettes for
Marshall tests and other specialized
tests
- SANS 3001-AS1

Determination of Marshall stability, flow
and quotient
- SANS 3001-AS2

Determination of bulk density and void
content of compacted asphalt
- SANS 3001-AS10

Determination of the maximum void-less
density of asphalt mixes and the
quantity of binder absorbed by the
aggregate
- SANS 3001-AS11

Determination of the soluble binder
content and particle size analysis of an
asphalt mix
- SANS 3001-AS20

X3 Bituminous Test Method

Determination of the in-situ permeability of a
bituminous surfacing (Marvil test)
- SANS 3001-BT12

Standard Test Method for Penetration of
Bituminous Materials
- EN1426

Standard Test Method for Softening Point of
Bitumen (Ring- and-Ball Apparatus
- ASTM D36

X1 NG Test Method

Determination of in situ density using a nuclear
density gauge
- SANS 3001-NG5

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ADMISSION REQUIREMENTS

Prospective delegates should at least have a Matric certificate/NQF4



TARGET AUDIENCE

This short course is ideal for laboratory technicians, people working on road construction projects and for those dealing with civil materials at graduate level.



COURSE FEES

Contact us for detailed costing



COURSE DURATION

10-day course



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