



Road Design Geometrics

Overview

This program is designed to enable participants to demonstrate developed knowledge and skills in fundamental principles and standards of road design and their application in design projects.

Interactive lectures, discussion, real life case studies and exercises form the basis of this program.

Target audience

All personnel working in the field of road design, such as technologists, technicians and engineers.

Prerequisites

Completion of Online Road design awareness and introductory courses.

Business benefits

Personnel attending this program will depart with enhanced knowledge and skills in fundamental road design and how to apply various design standards.

Duration

Two (2) days run consecutively.

Program outcomes

At the completion of this program participants will be able to:

1. comprehend and employ the intention of design and its domain as part of their role as a designer or engineer.
2. interpret and incorporate key aspects of geometrical road design fundamentals to TMR projects
3. recognise simple design problems and develop appropriate solutions for assessment
4. undertake simple design projects and/or contribute to a design team.

Program content

- Design Parameters
- Traffic Parameters
- Speed Parameters
- Cross Sections
- Sight Distance
- Horizontal Alignment
- Vertical Alignment
- Coordination of Alignments
- Intersections
- Auxiliary Lanes