



STRUCTURAL STEEL DESIGN TO SANS 10162-1-2011

1 CPD POINT

SAICEstr21/02965/24

SAICE is an ECSA Approved CPD Service Provider
SP_028/2025



Presented By: Greg Parrott

Course objective

This one-day course is aimed at developing an understanding of the basic design theory as well as demonstrating the application thereof from a practical design point of view.

Who should attend?

Young engineers and technologists who have chosen a career in structural design will gain the opportunity of revising the theory of structural steel design that was covered during their studies, obtain a better understanding of it and expand it into the practical application thereof. Experienced engineers, who have not been involved with the design of structural steel for some length of time, may find that new or future projects do require the design of structural steel elements. This course would be a good refresher to enable such a person to tackle these tasks with renewed confidence.

Course outline?

- Loading (incl. wind loading to SANS 10160-3: 2018)
- Limit State Design Theory
- Requirements for Analysis
- Connector Strengths
- Axial Tension
- Axial Compression
- Flexure
- Shear and Web Capacity
- Design of Beam-Columns (combined stresses)

Delegates will each receive a copy of the book "STRUCTURAL STEEL DESIGN to SANS 10162-1: 2011" by Greg Parrott

Requirements

Delegates should be qualified with a Degree or Diploma in Civil Engineering and preferably be registered with ECSA. Registration fees includes material, teas, lunch.

Register?

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In-house courses can be arranged on request but are subject to a minimum number of delegates.