



PRACTICAL GEOMETRIC DESIGN

5 CPD POINTS

SAICEtr22/03158/25

SAICE is an ECSA Approved CPD Service Provider
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Presented By: Tom McKune Pr Tech Eng

Course objective

Many university and university of technology graduates are not adequately exposed to the art of geometric design. Although most design offices make extensive use of sophisticated software packages, a basic understanding of design elements from first principles is crucial.

Having a basic knowledge of important aspects of geometric design will give you the confidence to tackle any project with which you may be Confronted, and more importantly to correctly interpret computer design output. The course has been designed to be very practical with brief Lecture sessions interspersed with practical working sessions to enable you to deal with the various aspects of geometric design in a hands on Manner.

Who should attend?

All recently qualified engineers, technologist and technicians who want to fully understand the technical aspects of geometric design.

Course outline?

- Elements of Geometric Design
- Basic Design Criteria
- Horizontal Alignment
- Vertical Alignment
- Access Design
- Earthworks Design
- Drainage Design
- Expropriation



SCAN TO BUY BOOKS

Requirements?

A detailed set of course notes and a workbook will be provided to each delegate. Please bring your own pen, calculator and the following items with you to the course;

- Scale Rule
- 30° and 45° (*ideally 30cm*)
- French curves
- 0,50 clutch pencil and leads
- Coloured pencil crayons.

Register?

T: +27 (0) 11 805 5947

F: +27 (0) 11 805 5971

E: cheryl-lee@saice.org.za

W: www.saice.org.za

Reg: https://store.saice.org.za/course/courseDetails/id/7/schedule_id/1834

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

