Introduction
AutoCAD is a popular Computer Aided Design (CAD) programme used extensively in industry to complete drawing projects in any discipline.

The objective of the course is to introduce the student to AutoCAD 3D concepts and how to use the commands to create 3D models.

Career Options
What will I be able to do once I’ve completed this course?
You will have a solid foundation and knowledge on how to use the programme to create and manipulate 3D models.

In which industries will I be able to work?
- Building Industry
- Road Construction
- Architectural Industry
- Local Government (Municipalities)
- Building Construction
- Any Engineering Field

What could I do to further improve my skills and my chances of furthering my career?
Complete more advanced courses in AutoCAD 3D and gain experience within industry by applying the skills learnt.

Programme Structure
What will I be studying during this course?
Modules
- Basic 3D Concepts
- Introduction to 3D Modelling
- Understanding the UCS and setting up efficiently
- Creating Composite Solids
- Sectioning a Solid Model and Generating 2D Geometry
- Creating Drawings from 3D Models
- Using Lights
- Using the Sun
- Navigating the Model
- Placing rendered images in a viewport
- Paper Space and Plotting
- Creating Surfaces
- Creating Solid Primitives
- Creating Models from 2D Profiles
- 3D Editing & Manipulation
- Display Commands
- Using Visual Styles
- Using Materials
- Rendering
- Creating and Editing Viewports
- Animations

Admission Requirements
What do I need to have completed before I can apply to study this course?
You will need a drawing background and at least the Introduction to AutoCAD Course.

Duration
- The course is offered over a period of 30 hours, which could be 5 weeks of 6 hours per week, or 10 weeks of 3 hours per week.
- Classes are offered during the evenings: 17:30 to 20:30.