

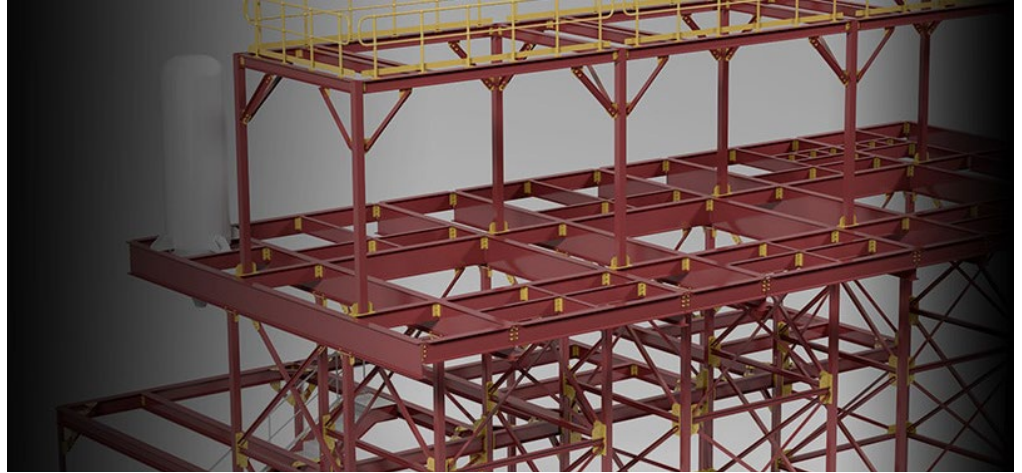
Advance Steel Essentials

Training course outline



Autodesk Advance Steel is used to create and detail 3D steel structures.

Advance Steel makes it easy to create common connections and elements such as stairs, railings and ladders, and extract drawings, Bills of materials and schedules for your designs.



Course summary

Teaches the key functionality, tools, commands and workflows used in Advance Steel to create and detail steelwork.

By building a steel structure from the ground up, you'll learn to create:

- Beams and columns.
- Plates.
- Connection elements.
- Lists and schedules, such as Bills of Materials and loading lists.
- Drawings.

Duration

Two days.

Who should attend?

New users of Advance Steel.

Prerequisites

You should have a good working knowledge of AutoCAD, i.e. be familiar with the topics taught in our *AutoCAD Essentials* course (see armada.co.uk/autocadess/syllabus).

In-class or live online

You can attend in-person at our centres, or participate live online from your place of work or home.

To read about our approach to online training, see armada.co.uk/liveonline.

General information

Armada is a long-standing Autodesk authorised Training Centre (ATC), and our courses are accredited by Autodesk.

Courses are hosted by Autodesk Certified Instructors (ACIs) with vast experience of using the application professionally.

Whilst attending training at our centres, you'll have the use of a computer running licensed software to practice the techniques taught.

Refreshments and lunch are provided.

Course fees can be paid by card or bank transfer. We accept purchase orders from UK-registered companies and public sector organisations.

Course materials and certificate

You'll receive:

- A comprehensive training guide and practice files.
- An e-certificate confirming successful completion of an accredited *Advance Steel Essentials* course.

Method of delivery

Training is designed for the busy professional, being short and intensive and combining lecture and demonstration. Practical exercises carried out under guidance help you learn the techniques taught.

You have ample opportunity to discuss specific requirements with the trainer.

After course support

Following training, you're entitled to 30 days' email support from your trainer.

Further information

See armada.co.uk/course/advsteel.

Course syllabus

See over.

Follow-on course

Advance Steel Advanced (2 days). See armada.co.uk/course/advsteeldv for details.

Course syllabus

Session	Topics
Getting Started with Advance Steel	The basics – beams, plates, connections and structures The Advance Steel user interface Ribbon tabs Advance Steel tools Advance Steel palettes The file and folder structure Grids The User Coordinate System (UCS)
Viewing Tools	Changing viewpoints and visual styles Navigating through the model Use of layers
Beams and columns	Beam features Drawing beams individually and using macros Cutting and shaping beams Notch contours

Session	Topics
Plates	Creating plates of all types and shapes Cutting and shaping plates Flat plates Folded plates Chamfers
Connection elements	Bolts Holes Welds
Lists	Bills of Materials (BOMs) Bolt schedules Loading list
Drawings	Locating points in the Drawing Window Generation Parts Assemblies Manipulation