

# Course Information Sheet

## CAD 3D Design with Fusion Improvers



**DH06E23B**

<b>Venue</b> Hyde Park House	<b>Start Date</b>	5 Nov 2024 18:00
	<b>End Date</b>	10 Dec 2024 20:30
	<b>Fee</b>	No Fee
	<b>Materials</b>	£0

[OCSW DH06E23B CAD 3D Design with Fusion Improvers \(oncoursesouthwest.co.uk\)](https://oncoursesouthwest.co.uk)

Master the basics of 3D CAD design using Autodesk Fusion 360, gaining the skills to create and improve product designs. (20 words)

**Course Description:** Unlock the world of 3D design with this exciting 8-week course! Learn how to use Autodesk Fusion 360, a powerful and user-friendly CAD software, to create and refine 3D models for a variety of applications.

This practical course is perfect for beginners with no prior CAD experience. Through a blend of tutorials, hands-on exercises, and expert guidance, you'll gain the essential skills in:

- Sketching and creating 2D drawings
- Building 3D models from 2D sketches
- Applying modifications and features to enhance your designs
- Rendering realistic images of your creations

### What will I learn?

- **Week 1-2:** Introduction to Fusion 360 interface, basic sketching techniques, 2D drawing creation.
- **Week 3-4:** Building 3D models from sketches, applying extrudes, revolves, and lofts.
- **Week 5-6:** Adding features like holes, fillets, and chamfers to refine designs.
- **Week 7-8:** Rendering techniques, creating presentations of your 3D models.

### How will I be assessed?

- Weekly assignments testing your comprehension of the learned skills.
- A final project where you'll design and present a 3D model using the acquired techniques. (Formative and summative assessment)

### **Who is this course for?**

This course is ideal for:

- Individuals with no prior CAD experience seeking an introduction to 3D design.
- Hobbyists and makers interested in creating their own 3D models for printing or visualisation.
- Professionals looking to expand their skill set and integrate 3D design into their workflow.

### **Progression Opportunities:**

After completing this course, you can progress to more advanced Fusion 360 training or explore other 3D design software like SolidWorks or Inventor. Here are some additional options:

- **Higher National Certificate (HNC) in Design**
- **Foundation Degree in Engineering Product Design**
- **Online tutorials and certifications for advanced Fusion 360 features**

### **Career or Job Enhancement Pathways:**

This course equips you with valuable skills for various career paths, including:

- 3D Modeler
- Product Designer
- Design Engineer
- Prototyping Specialist
- Architectural Technician

### **How do I enrol?**

The quickest way to enrol is online at [www.oucoursesouthwest.co.uk](http://www.oucoursesouthwest.co.uk), simply create an account and select 'Enrol now'. Alternatively, if you have any questions, please call our friendly customer service team on 01752 660713.

**How will the course be delivered?**

This is a practical course, and the sessions will include tutor-led demonstrations, learner-led group activities, instruction and repetition. These will form part of the delivery together with one-to-one support as required.

**Will I need to practise outside the classroom?**

You will be encouraged to review your notes between lessons to ensure maximum benefit from your course. It is always useful to practise your skills between sessions. Your tutor may encourage home learning, or independent research.

**How will I know I'm making progress?**

During the first session, your tutor will discuss your goals and current level in relation to the course. Based on this assessment, you will agree individual targets which you will record in your individual learning plan (ILP). You and your tutor will review your targets regularly to ensure that you are making progress; these will be written in your individual learning plan.

**What will I need?**

Please bring a notepad, and pen to each session. You may wish to bring a file for any handouts. A laptop with internet access is required for completion of coursework and home learning outside of the classroom.

**Please note:**

Most courses attract a subsidy from the Education and Skills Funding Agency (ESFA). It is a requirement of the ESFA that you complete various forms at different stages of your course, further information is available on request. Courses are subject to a minimum number of enrolments and could be cancelled if recruitment is low. In some cases, an alternative class at a different location may be offered.

Terms and conditions are available at

<https://www.onsouthwest.co.uk/learner-information/essential-information-for-every-learner>

Room numbers are subject to change - please check when you arrive at the venue.

