

Course Information Sheet

CAD 3D Design with Fusion Beginners



DH06E23A

Venue 📍 Hyde Park House	Start Date	17 Sept 2024 18:00
	End Date	22 Oct 2024 20:30
	Fee	No Fee
	Materials	£0

[OCSW DH06E23A CAD 3D Design with Fusion Beginners \(oncoursesouthwest.co.uk\)](https://oncoursesouthwest.co.uk)

Master the basics of 3D design using powerful CAD software Fusion 360 in this beginner-friendly 8-week course.

Course Description: Unleash your creativity and bring your ideas to life! This exciting course offers a comprehensive introduction to Computer-Aided Design (CAD) using industry-standard software, Fusion 360. With no prior experience needed, you'll gain the fundamental skills to design and model 3D objects in a fun and interactive environment. This course is perfect for anyone interested in exploring 3D printing, product design, engineering, or simply for the joy of creation!

What will I learn?

- **Week 1-2:** Introduction to Fusion 3D: Explore the interface, learn basic navigation, and understand 2D sketching tools.
- **Week 3-4:** Building Blocks of 3D Design: Master creating 3D features like extrudes, revolves, and lofts.
- **Week 5-6:** Advanced Modeling Techniques: Learn to modify existing shapes, create complex features with tools like fillets and chamfers, and explore booleans (combine/subtract).
- **Week 7-8:** Putting it all Together: Assemble your designs using constraints and joints, learn to render and present your creations.

How will I be assessed?

- **Formative assessment:** Weekly quizzes and in-class exercises will help you solidify your learning and receive feedback from the instructor.
- **Summative assessment:** You will complete a final project where you design and model a 3D object of your choice, showcasing your acquired skills.

Who is this course for?

This course is perfect for anyone with an interest in 3D design, beginners with no prior CAD experience are welcome! Those interested in 3D printing, product design, or engineering will find this course particularly valuable.

Progression Opportunities:

After completing this course, you can progress to more advanced Fusion 360 courses or explore other 3D modelling software like Inventor or Solidworks. Numerous online tutorials and resources are available to further develop your skills.

Career or Job Enhancement Pathways:

- 3D Modeler
- Product Designer
- Design Engineer
- Prototyper
- Maker

How do I enrol?

The quickest way to enrol is online at 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.onscoursesouthwest.co.uk/learner-information/essential-information-for-every-learner>

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

