COURSE SYLLABUS

Fusion Certification (Self-Paced)

This course gives you the practical skills and technical knowledge to confidently use Autodesk Fusion and prepare for the Autodesk Certified User in Fusion exam. Through guided lessons and hands-on projects, you'll design, prototype, and develop manufacturing-ready models that help you stand out in design and engineering careers.

> Group classes (Live Online) and onsite training are available for this course. For more information, email corporate@nobledesktop.com or visit: https://www.nobledesktop.com/classes/fusion-certification-self-paced



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Course Outline

This package includes these courses

- Intro to Fusion (Self-Paced) (30 Hours)
- Intermediate Fusion (Self-Paced) (30 Hours)

Intro to Fusion (Self-Paced)

Learn to model, assemble, render, and document your own 3D product designs using Autodesk Fusion. Through the hands-on creation of a complete electric scooter model, you'll master key techniques and build the skills needed to design and present professional-quality products.

- Create and refine complex 3D models using Fusion's core parametric tools including sketching, extrusion, sweeping, and sheet-metal workflows
- Build multi-component assemblies with precise dimensions and material assignments
- Leverage design history to efficiently revise and iterate on projects
- Produce high-quality renderings and animations to communicate design intent
- Generate detailed 2D drawings for professional manufacturing documentation
- Work confidently and efficiently with the latest version of Autodesk Fusion

Intermediate Fusion (Self-Paced)

Build on your Autodesk Fusion experience with this self-paced, hands-on course centered around a practical design brief. You'll work through a real-world project by developing a custom trim tool kit for automotive technicians while strengthening your skills in advanced modeling, surfacing, plastics features, and multi-component assemblies.

- Develop advanced surfacing techniques and apply plastics tools within Autodesk Fusion
- Build and control complex assemblies using linked and coordinated components
- Design and model a complete multi-part product, including a toolbox, tray, and tools

- Produce manufacturing-ready product designs with professional standards
- Strengthen your modeling precision by creating durable, real-world components