

SCHOOL OF IT INTERNATIONAL

Fusion 360 Courses Brochure

Live, 1-on-1 online training in Autodesk Fusion 360 — from absolute-beginner 3D CAD modelling through to Autodesk's full 4-level certification pathway: Certified User, Certified Associate, Certified Professional, and Certified Expert.

Fundamentals (ACU)

Associate (ACA)

Professional (ACP)

Expert (ACE)

School of IT International (Pty) Ltd

Somerset West, Cape Town, South Africa · schoolofit.co.za

Fundamentals of Fusion 360

This course is designed for absolute beginners who want to get started with Fusion 360. It covers the fundamentals of 3D CAD modelling, enabling learners to design simple parts and understand key features of the software — preparing you for the Autodesk Certified User (ACU) exam. 1-on-1 online training with a real lecturer.

● Flexible hours

● Commence anytime

● 1-on-1 online with a real lecturer

Learning Objectives

Covered over 10 hours.

- 1 **Hour 1: Introduction to Fusion 360 — installing and setting up Fusion 360, exploring the user interface, file management and saving projects**
- 2 **Hour 2: Navigation and view tools — orbit, pan, zoom, view cube, managing browser and document settings**
- 3 **Hour 3: Creating 2D sketches — sketch tools overview (line, circle, rectangle, etc.), constraints and dimensions**
- 4 **Hour 4: Basic 3D features — extrude, revolve, sweep, and loft tools**
- 5 **Hour 5: Modifying geometry — fillet, chamfer, shell, and pattern tools**
- 6 **Hour 6: Sketch editing and constraints — editing sketches and using constraints effectively**
- 7 **Hour 7: Introduction to assemblies — understanding components and joints, building simple assemblies**
- 8 **Hour 8: Working with the timeline — using and editing the design timeline**
- 9 **Hour 9: Preparing for manufacturing — exporting STL files, overview of 3D printing and CNC workflows**
- 10 **Hour 10: Project and review — applying skills to a simple design project, Q&A and course recap**

Pricing

COURSE PRICE

R14,900

Full payment before commencement (no payment plan)

Course Duration & Format



Duration

10 hours — maximum completion time



Payment

Full payment only (no payment plan)



Mode

1-on-1 online, real lecturer, flexible scheduling



Certificate

Certificate of Completion included



Career Prospects

♦ Junior CAD Designer

♦ 3D Modelling Hobbyist (skills)

♦ Product Design Assistant

♦ Maker / CNC Enthusiast

♦ Design Engineer (entry)

Typical Fusion 360-skilled salary (South Africa)

R180k – R380k / yr



International exam (optional): Autodesk Certified User (ACU). Entry-level exam testing basic part design, assemblies, and drawing creation — Autodesk recommends around 150 hours of practice before attempting it. Contact us to confirm current fee.



Get job-ready skills — start your Fundamentals of Fusion 360 course today.

[Enrol Now →](#)

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Somerset West, Cape Town, South Africa

Fusion 360 Associate

Builds on the fundamentals to develop foundational CAD and CAM skills — parametric modelling, assembly design, and introductory manufacturing workflows — preparing you for the Autodesk Certified Associate (ACA) exam. 1-on-1 online training with a real lecturer.

● Flexible hours

● Commence anytime

● 1-on-1 online with a real lecturer

Prerequisite: Fundamentals of Fusion 360 (or equivalent experience).

Learning Objectives

Covered over 20 hours.

- 1 Parametric modelling techniques and design intent
- 2 Advanced sketching — constraints, patterns and reference geometry
- 3 Assembly design — joints, motion studies and interference detection
- 4 Introduction to CAM — toolpaths, stock setup and basic machining strategies
- 5 Drawing creation — dimensioning, tolerances and annotations
- 6 Design organisation — parameters, configurations and design automation basics

Pricing

COURSE PRICE

R16,900

Full payment before commencement (no payment plan)

Course Duration & Format



Duration

20 hours — maximum completion time



Payment

Full payment only (no payment plan)



Mode

1-on-1 online, real lecturer, flexible scheduling



Certificate

Certificate of Completion included

Career Prospects

◆ CAD Designer

◆ CAM Programmer (entry)

◆ Product Design Engineer

◆ Manufacturing Design Technician

◆ Mechanical Design Associate

Typical Fusion 360-skilled salary (South Africa)

R250k – R480k / yr



International exam (optional): Autodesk Certified Associate (ACA). Tests foundational CAD and CAM skills; Autodesk recommends 1–2 years of hands-on experience before attempting it. Contact us to confirm current fee.

🚀 Get job-ready skills — start your Fusion 360 Associate course today.

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Somerset West, Cape Town, South Africa

Fusion 360 Professional

Advanced-level training focused on complex designs and workflows — sheet metal, surfacing, simulation, and multi-body assembly management — preparing you for the Autodesk Certified Professional (ACP) exam. 1-on-1 online training with a real lecturer.

● Flexible hours

● Commence anytime

● 1-on-1 online with a real lecturer

Prerequisite: Fusion 360 Associate (or equivalent experience).

Learning Objectives

Covered over 20 hours.

- 1 Advanced surfacing techniques for complex geometry
- 2 Sheet metal design and unfolding
- 3 Multi-body part design and complex assemblies
- 4 Simulation basics — stress analysis and design validation
- 5 Advanced CAM strategies — multi-axis machining and toolpath optimisation
- 6 Design for manufacturing (DFM) and design for assembly (DFA) principles

Pricing

COURSE PRICE

R22,800

Full payment before commencement (no payment plan)

Course Duration & Format



Duration

20 hours — maximum completion time



Payment

Full payment only (no payment plan)



Mode

1-on-1 online, real lecturer, flexible scheduling



Certificate

Certificate of Completion included

Career Prospects

◆ Senior CAD Designer

◆ Product Design Engineer (Senior)

◆ CAM Programmer

◆ Manufacturing Engineer

◆ Design Engineering Lead

Typical Fusion 360-skilled salary (South Africa)

R350k – R650k / yr



International exam (optional): Autodesk Certified Professional (ACP). Advanced-level exam focused on complex designs and workflows; Autodesk recommends 400–1,200 hours of experience before attempting it. Contact us to confirm current fee.

🚀 Get job-ready skills — start your Fusion 360 Professional course today.

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Somerset West, Cape Town, South Africa

Fusion 360 Expert

Master-level training focused on niche, specialised tasks — generative design for manufacturing, advanced automation, and cutting-edge workflows at the highest level of Fusion 360 expertise, preparing you for the Autodesk Certified Expert (ACE) exam. 1-on-1 online training with a real lecturer.

● Flexible hours

● Commence anytime

● 1-on-1 online with a real lecturer

Prerequisite: Fusion 360 Professional (or equivalent extensive experience).

Learning Objectives

Covered over 40 hours.

- 1 Generative design — defining design goals, constraints and manufacturing methods
- 2 Topology optimisation and outcome exploration
- 3 Advanced automation using Fusion 360's scripting and API
- 4 Advanced generative design for additive and subtractive manufacturing
- 5 Expert-level design validation and iterative refinement workflows
- 6 Portfolio-style capstone project demonstrating expert-level mastery

Pricing

COURSE PRICE

R28,800

Payment plan: 2 payments of R14,400 per 20 hours

Course Duration & Format



Duration

40 hours — maximum completion time



Payment

Payment plan available: R14,400 × 2 payments



Mode

1-on-1 online, real lecturer, flexible scheduling



Certificate

Certificate of Completion included

Career Prospects

◆ Principal CAD/CAM Engineer

◆ Generative Design Specialist

◆ Advanced Manufacturing Engineer

◆ Design Automation Lead

◆ Senior Product Design Architect

Typical Fusion 360-skilled salary (South Africa)

R500k – R900k / yr



International exam (optional): Autodesk Certified Expert (ACE). Master-level exam focused on niche tasks such as generative design for manufacturing — the highest tier of Fusion 360 certification. Contact us to confirm current fee.

🚀 Get job-ready skills — start your Fusion 360 Expert course today.

[Enrol Now →](#)

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