Inventor Advanced
2-5 Day** Training Course

Overview
The Inventor Advanced course will explain the Autodesk Inventor settings while teaching you how each tool functions. Just as importantly, though, the course content is filled with the tips and techniques learned by the experts who spent years using, researching, and discussing the tools in Autodesk Inventor. You should come away from this course with a solid understanding of the capabilities of Autodesk Inventor and a strong idea of how to tackle your design challenges in the future, as well as an abundance of time-saving tips and tricks.

Prerequisites
• It is recommended that delegates are Microsoft Windows proficient.
• Creating, opening, and saving drawing files, changing the display of a drawing by zooming and panning, displaying and docking toolbars, saving and restoring named views, using object snaps, and managing layers and controlling layer visibility.
• Inventor Essentials Course.
• At least 1 Month hands on practice / working experience while using the software daily.
• Parametric part and assembly design using Autodesk Inventor.
• Parametric solid modeling.

What’s Included?
• Course Notes & Stationery*
• Computer and software for the duration of course*
• Coffee, Tea & Delicious Lunch*
• WiFi Access*
• Autodesk Certified Instructor
• Internationally recognized Autodesk Authorized Training Certificate

* Pertains to in-class training only
** In-class training typically occurs over a 2-5 day period, customised training may differ

Course Content

PART CREATION
Lesson: Templates
Lesson: 2D Sketching
Lesson: Detailed Part Design

ASSEMBLY DESIGN
Lesson: Creating an Assembly
Lesson: Interacting with an Assembly

ADVANCED DESIGN & MODELLING
Lesson: Modelling
Lesson: Design Accelerators

MORE WORKING DRAWING FEATURES
Lesson: Drawing Standards and Resources

TEMPLATES
Creating Templates
• Overview
• What to include
• Save Location
Using Templates
• Accessing Templates
• Editing Templates

2D SKETCHING
Using Open Profiles
• Overview
• Creating Geometry
• Using open Geometry
Line Properties
• Colour
• Type
• Weight
Course Content

DETAILED PART DESIGN
Derived Parts
• Overview
• About Derived Parts
• Deriving Geometry
Parameters
• Overview
• Linking Excel Tables
• Updating Design
iParts
• Overview
• Creating an iPart
• Editing values

ASSEMBLY DESIGN
Lesson: Creating an Assembly
Skeletal Modelling
• Overview
• Designing the Base
• Creating Parts from the Base
3D Sketching in an Assembly
• Overview
• Creating Work Features
• Creating Parts
Interacting with an Assembly Analysis
• Overview
• Driving Constraints for Simple Motion an Analysis
Re-using Assemblies
• Overview
• Mirror Assembly
• Pattern Assembly
Presenting Your Assembly
• Overview
• Creating Presentation Views
• Creating Tweaks and Trails
• About Animating Presentations
• Animating Presentations
Representations
• Overview
• View Reps.
• Position Reps.
• Level of Detail Reps.

ADVANCED DESIGN & MODELLING
Lesson: Modelling
Adaptive Design
• Introduction to Adaptive Design
• Cross-Part Projection Techniques
• Adaptive Design Between Separate Components
• Copy Objects
Content Center
• Overview of Content Center
• Publishing Parts
• Using the Content Center

DESIGN ACCELERATORS
Introduction to the Design Accelerators
Frame Generator
• Overview
• Inserting Frames
Gear Generator
• About
• Generating a Gear Set
Belt Generator
• About
• Generating Belts
Calculators
• About
• Using Calculators
Welded Designs
• Introduction to Weldments
• Creating Welds
• Documenting Weldments

MORE WORKING DRAWING FEATURES
Drawing Standards and Resources
Setting Drawing Standards
• Overview
• Creating Styles with the Style Editor
• About Drawing Standards
• Properties of Drawing Standards
• Defining the Active Style
• Using Layers
Custom courses are available if the dates do not fall within your required date. Custom courses and dates are available to companies. Please contact us to find out more about our custom course options. Kindly note that the ETA for manuals once ordered is 3-5 days and 3-4 weeks if there is no stock at the time of placing the order, pricing is subject to change.

Dates indicated are subject to change. Above courses only presented if minimum requirements are met.

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### Student Details

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### Course Attending

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**Micrographics SA (Pty) Ltd**

**Bank Details**

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<tr>
<th>ABSA Newton Park</th>
<th>Branch: 632005</th>
<th>Account: 4093 847 926</th>
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### Terms & Conditions:

1. Above Pricing Excludes VAT.
2. Students are to be at the training venue by 08h00 in preparation for a 08h30 start time.
3. Bookings can only be considered confirmation on receipt of payment.
4. Bookings may be changed up to three weeks in advance of the course. A fee of 20% will be levied to cover charges.
5. For full day courses, we will supply you with the relevant training material. A desktop computer to use for the training (where applicable) tea/coffee and a full lunch for full day InClass training hosted at the training center only. Catering is not included for OnSite training and laptop is available for hire at an additional cost if required.
6. Cancellation or rescheduling requests must be in writing and reach us at least 5 (five) working days prior to the course commencement date. Full course fees may be retained for no shows or requests within 5 working days prior to commencement.
7. Although we go to great lengths to ensure that all training proceeds as scheduled, we reserve the right to cancel or postpone dates if we require to do so and undertake to inform clients in writing and telephonically of these changes.
8. We suggest clients wait until a week prior to course commencement that a course has been confirmed to go ahead as scheduled before booking flight and accommodation. We are NOT responsible for cost associated with cancellation of classes such as flight and accommodation for clients.
9. Full training fees will apply if the above condition is not complied with.

_____

Signed & Accepted  
Name  
Location