

**Autodesk**  
Authorized Training Center

Distribuidor autorizado

soluciones CAD/CAM/CAECd. Juárez, Chihuahua. Tels. (656)617-9665, 617-9848, 617-0889. [www.computeec.org](http://www.computeec.org)

 **Computeec**  
Centro de Diseño y Entrenamiento

Av. Tecnológico #1770 Locales 1 y 2 ext. Galerías TEC C.P. 32460

  
invent



Serie de Cursos:

**I N V E N T O R**

Diseño mecánico de alta Productividad

Objetivo General:

Esta secuencia de cursos está diseñado para usuarios de Autodesk Inventor que requieren entrenamiento para incorporar las nuevas **características, comandos y técnicas de creación, edición e impresión de partes y esnamble usando Autodesk Inventor con alta productividad**

Niveles:

**Se ofrecen en 3 Niveles se recomienda tomarlos en secuencia**

Duración Total:

**48 Horas en 12 sesiones de 4 horas**

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**CAPACITACION  
EXCELENCIA  
MICROSOFT Y AUTODESK**

Cd. Juárez, Chih



Curso 1 de 3:

# INVENTOR I

Diseño mecánico de alta Productividad

Objetivo Nivel:

El Autodesk Inventor® Essentials esta diseñado para usuario Nuevo que requiere un entrenamiento en las bases de diseño mecánico. Se cubre desde crear, editar, documentar e impresión de partes y ensambles

Requisitos:

Conocimiento de CAD recomendable, no indispensable y se recomienda que tenga conocimiento del sistema operativo Windows

**Duración de este nivel: 16 horas / 4 días de 4 horas**

## Contenido Curso Inventor I:

### Introduction to the Modeling Process

Projects in Autodesk Inventor, User Interface, Online Help and Tutorials

### Introduction to Sketching

Creating Sketches, constraining Sketches, Dimensioning Sketches, 2D Sketch Tools

### Creating Simple Sketched Features

Introduction to Sketched Features, Working with Sketch Planes, Extruded Features, Revolved Features

### Introduction to Work Features

Work Planes, Work Axes, Work Points

### Introduction to Placed Features

Fillet Features, Chamfer, Hole and Thread, Shell, Pattern, Face Drafts, Creating and Using Color Styles

### Assembly Modeling Fundamentals

Introduction to Assembly Modeling, Assembly Browser, Placing Components in an Assembly, Creating Components in an Assembly, Moving Components, Moving and Rotating Components, Constraining Components, Adaptive Components, Assembly Analysis, Presentations

### Introduction to Drawings

Setting Drafting Standards, Layers, Drawing Resources, Projected Views, Section Views, Detail Views, Auxiliary Views, Broken Views, Break Out Views, Managing Views and Sections, Dimensioning a Drawing View, General Annotation Placement



Curso 2 de 3:

# INVENTOR II

Diseño mecánico de alta Productividad

Objetivo Nivel:

Este curso es para el diseñador de Autodesk Inventor ya que se ven técnicas complejas y

poderosas de diseño mecánico enfocado a maquinas

Requisitos:

Curso Inventor I ó experiencia equivalente

**Duración de este nivel: 16 horas / 4 dias de 4 horas**

**Contenido Curso Inventor II:**

### **Complex Sketching and Constraining**

Sharing Sketches, Slice Graphics Mode, Sketch on Another Part's Face, Using Equations and Different Dimension Display Modes, Create and Edit 2D Splines, Mirror and Pattern Sketch Geometry, Create and Use 3D Sketch Geometry, Complex Sketching and Constraining

### **Complex Part modeling**

Ribs and Webs, Sweep Features, Coil, Loft Features, Split Parts and Part Faces, Mirror Part Features, Import and Use Surfaces

### **Complex Part modeling**

Using Colors, Texture Mapping, and Shadows, Create and Use iParts, Create and Use iFeatures, Create a Derived Part, Create Emboss Features, Create a Decal Feature

### **Complex Drawing views**

Adjust Drawing View Options, Dimension Drawing Views, Create and Use Sketched Symbols, Create and Edit Hole and Thread Notes, Create a Parts List, Add Revision Tables and Tags

### **Complex assembly modeling**

Design View Representations, Creating and Using iMates to Constrain Parts, Using the Content Library, Create Component Patterns, Creating Adaptive Parts, Making Feature Properties Adaptive, Use Adaptivity, Create Motion Constraints, Create Transitional Constraints, Drive Constraints, Derived Assembly Occurrences, Creating a Weldment, Creating Drawing Views of Weldments



Curso 3 de 3:

# INVENTOR III

Diseño mecánico de alta Productividad

Objetivo Nivel:

Este curso es para el diseñador de Autodesk Inventor y el uso de funcionalidades avanzadas

Requisitos:

Curso Inventor I e Inventor II ó experiencia equivalente

**Duración de este nivel: 16 horas / 4 días de 4 horas**

**Contenido Curso Inventor II:**

## Derived Designs

Tolerancing and Monitoring Design Values, User Parameters and Renamed Model Parameters, Tolerances in Part and Assembly Models, Auto Limits, Creating Frames , Frame Generator Assemblies

## Adaptive Design

Adaptive Part, Adaptive Parts in Assemblies, Adaptive Cross-Part Sketch Geometry, creating Cross-Part Sketch Geometry, Adaptive Parts and Features , Adaptive Subassemblies, Flexible Subassemblies

## Content Center

ADM Server and Content Center Libraries ,Side-by-Side Installation, Configuring Library Availability, Configure Content Center Library Availability, Using the Content Center, Searching for Content, adding Content With and Without AutoDrop, Publishing and Managing Content, Publishing Features, Publishing Parts ,Document Settings for Published Parts

## Design Accelerators

Design Accelerator, Component Generators, Mechanical Calculators, the Engineer's Handbook, Bolted Connections, Shaft Generator, Bearing Generator, Creating Gears, Belt Generators,

## Welded Designs

Creating Assemblies as Weldments , Setting Weld Properties, Convert an Assembly to a Weldment , Adding Welds, Fillet Welds, Cosmetic Welds, Groove Welds,Weld Symbols, End Fills, Documenting Weldments

## Designing and Documenting Product Families

iAssembly Configurations,Authoring, iAssembly Configurations Using and Managing iAssembly Configurations, iAssembly BOM Data. . . . . Document iAssemblies

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