

# **Arbortext IsoDraw 7.0 Curriculum Guide**

NOTE: For a graphical depiction of the curriculum based on job role, please visit this page:  
[http://www.ptc.com/services/edserv/learning/paths/ptc/isodraw\\_70.htm](http://www.ptc.com/services/edserv/learning/paths/ptc/isodraw_70.htm)

---

## Live Classroom Curriculum Guide

- Arbortext IsoDraw 7.0 Foundation with CADprocess
  - Arbortext IsoDraw 7.0 Foundation
  - Arbortext IsoDraw 7.0 Update
-

## Arbortext IsoDraw 7.0 Foundation with CADprocess

Course Code	TRN-2345-T
Course Length	3 Days

### Overview

---

In this course, you will learn basic and advanced drawing operations of Arbortext IsoDraw. This course emphasizes hands-on experience, interaction between student and instructor, and a solid foundation in the essential drawing skills and commands needed to produce quality technical illustrations for publications. You will learn how to open, save, and close new and existing documents. You will also learn how to project geometry from one plane to another, and learn how to use the perspective and isometric tools. You will also learn how to automate the creation of technical illustrations from existing 3-D CAD data. You will learn how to draw and view entities, understand 3-D projections, moves, and rotation and how to use the Objects window. You will also learn about the new features available in this version of Arbortext IsoDraw 7.0.

### Prerequisites

---

- Basic computer skills in a Microsoft Windows computing environment
- Background or related experience in an Engineering or Technical Publications Department

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.

### Topics

---

- Arbortext IsoDraw Basics
  - Fundamental Drawing Skills
  - Composition and Layout
  - Advanced Transformation Tools
  - Compound Paths
  - Advanced Drawing Techniques
  - Annotation and Callouts
  - Customizing the User Environment
  - Project I (Optional)
  - Introduction to CADprocess & 3-D Import Options
  - Selection of Assemblies
  - Working within the 3D Window
  - 3-D Projection and Conversion Options
  - Object Information
  - Project II (Optional)
  - New 3-D Features
-

## Agenda

### Day 1

Module 1	Arbortext IsoDraw Drawing Basics
Module 2	Fundamental Drawing Skills
Module 3	Intermediate Drawing Skills
Module 4	Composition and Layout
Module 5	Advanced Transformation Tools

### Day 2

Module 6	Compound Paths
Module 7	Advanced Drawing Techniques
Module 8	Annotation and Callouts
Module 09	Customizing the User Environment
Module 10	Project I
Module 11	New 2-D Features

### Day 3

Module 12	Introduction to CADprocess & 3-D Import Options
Module 13	Selection of Assemblies
Module 14	Working within the 3-D Window
Module 15	3-D Projection and Conversion Options
Module 16	Object Information
Module 17	Project II
Module 18	New 3-D Features

## Arbortext IsoDraw 7.0 Foundation

Course Code	TRN-2346-T
Course Length	2 Days

### Overview

---

In this course, you will learn basic and advanced drawing operations of Arbortext IsoDraw. This course emphasizes hands-on experience, interaction between student and instructor, and a solid foundation in the essential drawing skills and commands needed to produce quality technical illustrations for publications. You will learn how to open, save, and close new and existing documents. You will also learn how to project geometry from one plane to another, and learn how to use the perspective and isometric tools. You will also learn about the new features available in this version of Arbortext IsoDraw 7.0.

### Prerequisites

---

- Basic computer skills in a Microsoft Windows computing environment
- Background or related experience in an Engineering or Technical Publications Department

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw.

### Topics

---

- Introduction to Arbortext IsoDraw
  - Fundamental Drawing Skills
  - Intermediate Drawing Skills
  - Composition and Layout
  - Advanced Transformation Tools
  - Compound Paths
  - Advanced Drawing Techniques
  - Annotation and Callouts
  - Customizing the User Environment
  - Project I (Optional)
  - New 2-D Features
-

## Agenda

### Day 1

---

Module 1	Introduction to Arbortext IsoDraw
Module 2	Fundamental Drawing Skills
Module 3	Intermediate Drawing Skills
Module 4	Composition and Layout
Module 5	Advanced Transformation Tools

### Day 2

---

Module 6	Compound Paths
Module 7	Advanced Drawing Techniques
Module 8	Annotation and Callouts
Module 09	Customizing the User Environment
Module 10	Project I
Module 11	New 2-D Features

---

## Arbortext IsoDraw 7.0 Update

Course Code	TRN-2347-T
Course Length	2 Days

### Overview

---

In this course, you will learn basic and advanced drawing operations for Arbortext IsoDraw. This course emphasizes hands-on experience, interaction between student and instructor, and a solid foundation in the essential drawing skills and commands needed to produce quality technical illustrations for publications. You will learn how to open, save, and close new and existing documents, project geometry from one plane to another, and learn how to use the perspective and isometric tools. You will also learn how to automate the creation of technical illustrations from existing 3-D CAD data. You will also learn how to draw and view entities, understand 3-D projections, moves, and rotation, and how to use the Objects window. Finally, you will learn about the new features available in Arbortext IsoDraw 7.0.

### Prerequisites

---

- Basic computer skills in a Microsoft Windows computing environment.
- Background or related experience in an Engineering or Technical Publications Department.

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw.

### Topics

---

- Advanced Transformation Tools
  - Compound Paths
  - Advanced Drawing Techniques
  - Annotation and Callouts
  - Customizing the User Environment
  - Introduction to CADprocess & 3-D Import Options
  - Selection of Assemblies
  - Working within the 3D Window
  - 3-D Projection and Conversion Options
  - Object Information
  - New 3-D Features
  - Understanding the Computer Graphics Metafile (CGM)
-

## Agenda

### Day 1

---

Module 1	Advanced Transformation Tools
Module 2	Advanced Drawing Techniques
Module 3	Customizing the User Environment
Module 4	Understanding the Computer Graphics Metafile (CGM)
Module 5	Project I
Module 6	New 2-D Features

### Day 2

---

Module 7	Introduction to CADprocess and 3-D Import Options
Module 8	Selection of Assemblies
Module 9	Working within the 3-D Window
Module 10	3-D Projection and Conversion Options
Module 11	Object Information
Module 12	Project II
Module 13	New 3-D Features

---

## Web Based Curriculum Guide

- Arbortext IsoDraw 7.0 Foundation with CADprocess
  - Arbortext IsoDraw 7.0 Foundation
  - Arbortext IsoDraw 7.0 Update
  - Arbortext IsoDraw 7.0 - Arbortext IsoDraw Basics and Drawing Basic Shapes
  - Arbortext IsoDraw 7.0 - Intermediate Drawing Skills
  - Arbortext IsoDraw 7.0 – Composition and Layout
  - Arbortext IsoDraw 7.0 - Advanced Transformation Tools
  - Arbortext IsoDraw 7.0 – Compound Paths
  - Arbortext IsoDraw 7.0 - Advanced Drawing Techniques
  - Arbortext IsoDraw 7.0 – Annotation and Callouts
  - Arbortext IsoDraw 7.0 – Customizing the User Environment
  - Arbortext IsoDraw 7.0 - Project I
  - Arbortext IsoDraw 7.0 - New 2-D Features
  - Arbortext IsoDraw 7.0 with CADprocess - CADprocess & 3-D Import Options
  - Arbortext IsoDraw 7.0 with CADprocess – Selection of Assemblies
-

- Arbortext IsoDraw 7.0 with CADprocess - Working within the 3-D Window
  - Arbortext IsoDraw 7.0 with CADprocess - 3-D Projections and Conversion Options
  - Arbortext IsoDraw 7.0 with CADprocess - Object Information
  - Arbortext IsoDraw 7.0 with CADprocess - Project II
  - Arbortext IsoDraw 7.0 with CADprocess - New 3-D Features
  - Arbortext IsoDraw 7.0 - Understanding the Computer Graphics Metafile (CGM)
-

## Arbortext IsoDraw 7.0 Foundation with CADprocess

Course Code	TRN-WBT2345-S
Course Length	24 Hours

### Overview

---

In this course, you will learn basic and advanced drawing operations of Arbortext IsoDraw. This course emphasizes hands-on experience, interaction between student and instructor, and a solid foundation in the essential drawing skills and commands needed to produce quality technical illustrations for publications. You will learn how to open, save, and close new and existing documents. You will also learn how to project geometry from one plane to another, and learn how to use the perspective and isometric tools. You will also learn how to automate the creation of technical illustrations from existing 3-D CAD data. You will learn how to draw and view entities, understand 3-D projections, moves, and rotation and how to use the Objects window. You will also learn about the new features available in this version of Arbortext IsoDraw 7.0.

### Prerequisites

---

- Basic computer skills in a Microsoft Windows computing environment
- Background or related experience in an Engineering or Technical Publications Department

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.

### Topics

---

- Arbortext IsoDraw Basics
  - Fundamental Drawing Skills
  - Composition and Layout
  - Advanced Transformation Tools
  - Compound Paths
  - Advanced Drawing Techniques
  - Annotation and Callouts
  - Customizing the User Environment
  - Project I (Optional)
  - Introduction to CADprocess & 3-D Import Options
  - Selection of Assemblies
  - Working within the 3D Window
  - 3-D Projection and Conversion Options
  - Object Information
  - Project II (Optional)
  - New 3-D Features
-

## Table of Contents

Module 1	Arbortext IsoDraw Drawing Basics
Module 2	Fundamental Drawing Skills
Module 3	Intermediate Drawing Skills
Module 4	Composition and Layout
Module 5	Advanced Transformation Tools
Module 6	Compound Paths
Module 7	Advanced Drawing Techniques
Module 8	Annotation and Callouts
Module 9	Customizing the User Environment
Module 10	Project I
Module 11	New 2-D Features
Module 12	Introduction to CADprocess & 3-D Import Options
Module 13	Selection of Assemblies
Module 14	Working within the 3-D Window
Module 15	3-D Projection and Conversion Options
Module 16	Object Information
Module 17	Project II
Module 18	New 3-D Features

## Arbortext IsoDraw 7.0 Foundation

Course Code	TRN-WBT2346-S
Course Length	16 Hours

### Overview

---

In this course, you will learn basic and advanced drawing operations of Arbortext IsoDraw. This course emphasizes hands-on experience, interaction between student and instructor, and a solid foundation in the essential drawing skills and commands needed to produce quality technical illustrations for publications. You will learn how to open, save, and close new and existing documents. You will also learn how to project geometry from one plane to another, and learn how to use the perspective and isometric tools. You will also learn about the new features available in this version of Arbortext IsoDraw 7.0.

### Prerequisites

---

- Basic computer skills in a Microsoft Windows computing environment
- Background or related experience in an Engineering or Technical Publications Department

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw.

### Topics

---

- Introduction to Arbortext IsoDraw
  - Fundamental Drawing Skills
  - Intermediate Drawing Skills
  - Composition and Layout
  - Advanced Transformation Tools
  - Compound Paths
  - Advanced Drawing Techniques
  - Annotation and Callouts
  - Customizing the User Environment
  - Project I (Optional)
  - New 2-D Features
-

## Table of Contents

Module 1	Introduction to Arbortext IsoDraw
Module 2	Fundamental Drawing Skills
Module 3	Intermediate Drawing Skills
Module 4	Composition and Layout
Module 5	Advanced Transformation Tools
Module 6	Compound Paths
Module 7	Advanced Drawing Techniques
Module 8	Annotation and Callouts
Module 9	Customizing the User Environment
Module 10	Project I
Module 11	New 2-D Features

---

## Arbortext IsoDraw 7.0 Update

Course Code	TRN-WBT2347-S
Course Length	16 Hours

### Overview

---

In this course, you will learn basic and advanced drawing operations for Arbortext IsoDraw. This course emphasizes hands-on experience, interaction between student and instructor, and a solid foundation in the essential drawing skills and commands needed to produce quality technical illustrations for publications. You will learn how to open, save, and close new and existing documents, project geometry from one plane to another, and learn how to use the perspective and isometric tools. You will also learn how to automate the creation of technical illustrations from existing 3-D CAD data. You will also learn how to draw and view entities, understand 3-D projections, moves, and rotation, and how to use the Objects window. Finally, you will learn about the new features available in Arbortext IsoDraw 7.0.

### Prerequisites

---

- Basic computer skills in a Microsoft Windows computing environment.
- Background or related experience in an Engineering or Technical Publications Department.

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw.

### Topics

---

- Advanced Transformation Tools
  - Compound Paths
  - Advanced Drawing Techniques
  - Annotation and Callouts
  - Customizing the User Environment
  - Introduction to CADprocess & 3-D Import Options
  - Selection of Assemblies
  - Working within the 3D Window
  - 3-D Projection and Conversion Options
  - Object Information
  - New 3-D Features
  - Understanding the Computer Graphics Metafile (CGM)
-

## Table of Contents

Module 1	Advanced Transformation Tools
Module 2	Advanced Drawing Techniques
Module 3	Customizing the User Environment
Module 4	Understanding the Computer Graphics Metafile (CGM)
Module 5	Project I
Module 6	New 2-D Features
Module 7	Introduction to CADprocess and 3-D Import Options
Module 8	Selection of Assemblies
Module 9	Working within the 3-D Window
Module 10	3-D Projection and Conversion Options
Module 11	Object Information
Module 12	Project II
Module 13	New 3-D Features

---

## Arbortext IsoDraw 7.0 - Arbortext IsoDraw Basics and Drawing Basic Shapes

Course Code	SAB-CEK2508
Course Length	3 Hours

### Overview

---

In this course, you learn the introductory skills required to use Arbortext IsoDraw. You learn how to navigate and configure the Arbortext IsoDraw user interface (UI), as well as how to draw basic shapes and use the delete functions. You also learn fundamental skills required to draw illustrations using Arbortext IsoDraw. You learn how to draw basic shapes, apply transformations, and finalize an illustration.

### Prerequisites

---

- Basic computer skills in a Microsoft Windows computing environment
- Background or related experience in an Engineering or Technical Publications Department

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.

### Topics

---

- Navigate and configure the Arbortext IsoDraw UI.
  - Draw basic shapes.
  - Perform Arbortext IsoDraw delete functions.
  - Draw and configure basic shapes.
  - Transform and manipulate basic shapes.
  - Apply Thick and Thin pens.
  - Use the attributes window.
-

## Table of Contents

Module 1	Introduction to Arbortext IsoDraw
Module 2	Fundamental Drawing Skills

---

## Arbortext IsoDraw 7.0 - Intermediate Drawing Skills

Course Code	SAB-CEK2843
Course Length	3 Hours

### Overview

---

In this course, you will learn slightly more advanced techniques to manipulate geometry. You learn how to toggle the grid and you learn how to align, transform, and rotate elements. Also, you will use the tangent, projection, and rotation tools to transform and manipulate elements. And, finally, you will use the Line tool, delete operations, and Pen tool to finalize your illustration.

### Prerequisites

---

- Completion of SAB-CEK2508 Arbortext IsoDraw 7.0 - Introduction to Arbortext IsoDraw

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw.

### Topics

---

- Toggling grids.
  - Transform elements using projection.
  - Rotate elements using the rotate tool.
  - Use the dimension bar to create concentric ellipses.
  - Rotate elements using the perspective rotation tool.
  - Draw additional connecting lines.
  - Apply appropriate pens to ellipses.
-

## Table of Contents

Module 1	Intermediate Drawing Skills
----------	-----------------------------

## Arbortext IsoDraw 7.0 – Composition and Layout

Course Code	SAB-CEK2844
Course Length	1 Hour

### Overview

---

In this course, you will learn about composition and layout. Composition and layout are important functions used in the creation of illustrations. The terms “composition” and “layout” refer to the placement and arrangement of elements within the drawing area. In this course, you learn how to compose and lay out an illustration using the Align, Distribute, and Fit elements operations.

### Prerequisites

---

- Completion of SAB-CEK2843 Arbortext IsoDraw 7.0 – Intermediate Drawing Skills

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw.

### Topics

---

- Aligning elements.
  - Distributing elements.
  - Fitting elements.
-

## Table of Contents

Module 1	Composition and Layout
----------	------------------------

---

## Arbortext IsoDraw 7.0 - Advanced Transformation Tools

Course Code	SAB-CEK2845
Course Length	3 Hours

### Overview

---

In this course, you will learn how to use Arbortext IsoDraw's advanced transformation tools. Advanced transformations enable you to create complex illustrations in a short amount of time. In this course, you learn how to project geometry from one plane to another, calculate ellipse values on and off the perspective axes, rotate a surface around an axis, and wrap geometry around a cylinder.

### Prerequisites

---

- Completion of SAB-CEK2844 Arbortext IsoDraw 7.0 – Composition and Layout

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw.

### Topics

---

- Perform the find ellipse operation.
  - Use the Parallel paths tool.
  - Use the Rotational surfaces tool.
  - Use projection tools.
  - Draw center lines.
-

## Table of Contents

Module 1	Advanced Transformation Tools
----------	-------------------------------

---

## Arbortext IsoDraw 7.0 – Compound Paths

Course Code	SAB-CEK2512
Course Length	1 Hour

### Overview

---

In this course, you will learn how to create and manipulate compound paths to create holes in open areas of parts. You will learn to configure a compound path with an applied color fill, extrude a compound path to apply depth, and finish the projection. Then you will create an outer and inner contour, configure an advanced compound path, and apply a color fill on a separate layer.

### Prerequisites

---

- Completion of SAB-CEK2845 Arbortext IsoDraw 7.0 – Advanced Transformation Tools

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw.

### Topics

---

- Understand and define a compound path.
  - Draw and configure a compound path.
  - Extrude a compound path.
  - Create an advanced compound path.
  - Apply a color fill to a compound path.
-

## Table of Contents

Module 1	Compound Paths
----------	----------------

## Arbortext IsoDraw 7.0 - Advanced Drawing Techniques

Course Code	SAB-CEK2846
Course Length	1 Hour

### Overview

---

In this course, you will learn about the advanced drawing techniques used to create and manipulate geometry. You start with basic shapes and then use the extrusion operation to add depth to elements. You learn how the different perspective grids affect your transformation. You then use 3-D transformation to further manipulate these shapes both on and off the perspective axis. You also learn how to create complex shafts using the Shaft tool.

### Prerequisites

---

- Completion of SAB-CEK2512 Arbortext IsoDraw 7.0 – Compound Paths

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw.

### Topics

---

- Draw and configure a complex compound path.
  - Use advanced drawing techniques to transform and manipulate elements.
-

## Table of Contents

Module 1	Advanced Drawing Techniques
----------	-----------------------------

---

## Arbortext IsoDraw 7.0 – Annotation and Callouts

Course Code	SAB-CEK2514
Course Length	3 Hours

### Overview

---

In this course, you will learn how to apply various dimensions, add, modify, and delete callouts. You also learn how to change the applied callout style for all callouts within an illustration. Finally, you learn how to generate callouts automatically to specific object or group levels; from object names and from an object list with 100% accuracy

### Prerequisites

---

- Completion of SAB-CEK2846 Arbortext IsoDraw 7.0 – Advanced Drawing Techniques

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw.

### Topics

---

- Apply dimensions to an illustration.
  - Apply callouts manually.
  - Apply callouts automatically.
  - Create callouts from object names.
  - Generate callouts from an object list.
-

## Table of Contents

Module 1	Annotation and Callouts
----------	-------------------------

---

## Arbortext IsoDraw 7.0 – Customizing the User Environment

Course Code	SAB-CEK2847
Course Length	2 Hours

### Overview

---

In this course, you will learn how to customize toolbars, configure the library window, create library parts, create, debug and edit macros and create a template file with predefined preferences, layers, and attributes.

### Prerequisites

---

- Completion of SAB-CEK2514 Arbortext IsoDraw 7.0 – Annotations and Callouts

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw.

### Topics

---

- Customize toolbars.
  - Configure the Library window.
  - Create a library part.
  - Create, debug, and edit macros.
  - Create a template file.
-

## Table of Contents

Module 1	Customizing the User Environment
----------	----------------------------------

---

## Arbortext IsoDraw 7.0 - Project I

Course Code	SAB-CEK2848
Course Length	1 Hour

### Overview

---

In this course, you will learn how to organize, plan and execute various Arbortext IsoDraw functions to complete the following illustration based upon the materials taught up to this point in class.

### Prerequisites

---

- Completion of SAB-CEK2847 Arbortext IsoDraw 7.0 – Customizing the User Environment

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw.

### Topics

---

- Draw a cut-away cylinder.
-

## Table of Contents

Module 1	Project I
----------	-----------

## Arbortext IsoDraw 7.0 - New 2-D Features

Course Code	SAB-CEK2522
Course Length	1 Hour

### Overview

---

In this course, you will learn how to shear elements to create special effects. You also learn the skills required to understand and create 2-D animations.

### Prerequisites

---

- Completion of SAB-CEK2848 Arbortext IsoDraw 7.0 with CADprocess – Project I

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw with CADprocess.

### Topics

---

- Use the Shear tool to modify elements.
  - Create a 2-D animation sequence.
  - Play an animation in IsoView.
-

## Table of Contents

Module 1	New 2-D Features
----------	------------------

## Arbortext IsoDraw 7.0 with CADprocess - CADprocess & 3-D Import Options

Course Code	SAB-CEK2849
Course Length	1 Hour

### Overview

---

In this course, you will determine the workflow from 3-D data to 2-D illustration. You learn how to identify solid model types, configure 3-D option preferences, and configure IGES options when importing an IGES file.

### Prerequisites

---

- Completion of SAB-CEK2522 Arbortext IsoDraw 7.0 – New 2-D Features

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw with CADprocess.

### Topics

---

- Determine the workflow from 3-D to 2-D.
  - Identify solid model types.
  - Configure 3-D option preferences.
  - Configure IGES import options.
-

## Table of Contents

Module 1	Introduction to CADprocess and 3-D Import Options
----------	---

---

## Arbortext IsoDraw 7.0 with CADprocess – Selection of Assemblies

Course Code	SAB-CEK2850
Course Length	2 Hours

### Overview

---

In this course, you will learn how to open an IGES file with and without enabling the Select assemblies option. You also learn how to use the Selection of Structures window to configure and recall which assemblies, sub-assemblies and parts are imported. Finally, you learn several methods for importing sub-assemblies.

### Prerequisites

---

- Completion of SAB-CEK2849 Arbortext IsoDraw 7.0 with CADprocess – Introduction to CADprocess & 3-D Import Options

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw with CADprocess.

### Topics

---

- Enable the Select assemblies option.
  - Read structures within an IGES file.
  - Use the Selection of structures window.
  - Read structures from an XML file.
  - Import sub-assemblies.
-

## Table of Contents

Module 1	Selection of Assemblies
----------	-------------------------

---

## Arbortext IsoDraw 7.0 with CADprocess - Working within the 3-D Window

Course Code	SAB-CEK2855
Course Length	3 Hours

### Overview

---

In this course, you will learn how to define perspective, free axes, move and rotate components, apply and remove transparency, and convert the model to 2-D. You also learn about paste functions, redraw, inserting free deletion points, and how to create a gasket using a surface as reference.

### Prerequisites

---

- Completion of SAB-CEK2850 Arbortext IsoDraw 7.0 with CADprocess - Selection of Assemblies

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw with CADprocess.

### Topics

---

- Use 3D window toolbars and menu functions.
  - Apply and remove transparency to objects within the 3D window.
  - Work with objects.
  - Duplicate a surface in preparation to create a gasket.
  - Convert a surface to 2-D as wireframe.
  - Use the spacebar to reposition images.
  - Use redraw to refresh the screen.
  - Use cut, copy, and paste functions.
  - Extend the endpoint of a line.
  - Insert free deletion points.
-

## Table of Contents

Module 1	Working within the 3-D Window
----------	-------------------------------

---

## Arbortext IsoDraw 7.0 with CADprocess - 3-D Projections and Conversion Options

Course Code	SAB-CEK2851
Course Length	2 Hours

### Overview

---

In this course, you will learn how to place files, apply 3-D transformation and 3-D projections to convert a model to 2-D. You also learn how to combine projections to create special effects and use advanced layer options.

### Prerequisites

---

- Completion of SAB-CEK2855 Arbortext IsoDraw 7.0 with CADprocess – Working within the 3-D Window

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw with CADprocess.

### Topics

---

- Place files.
  - Remove transparency.
  - Apply 3-D transformation.
  - Apply 3-D projections.
  - Combine 3-D projections for special effects.
  - Use advanced layer operations.
-

## Table of Contents

Module 1	3-D Projections and Conversion Options
----------	--

---

## Arbortext IsoDraw 7.0 with CADprocess - Object Information

Course Code	SAB-CEK2842
Course Length	1 Hour

### Overview

---

In this course, you will learn how to activate and deactivate the creation of object information for assemblies. You also learn how this impacts objects within the illustration.

### Prerequisites

---

- Completion of SAB-CEK2851 Arbortext IsoDraw 7.0 with CADprocess – 3-D Projections and Conversion Options

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw.

### Topics

---

- Create, define, and use objects.
  - Use layers with objects.
  - Access and modify object information.
  - Use file formats that support object information.
  - Use companion files.
-

## Table of Contents

Module 1	Object Information
----------	--------------------

---

## Arbortext IsoDraw 7.0 with CADprocess - Project II

Course Code	SAB-CEK2852
Course Length	2 Hours

### Overview

---

In this course, you will learn how to organize, plan and execute various Arbortext IsoDraw functions to complete the following illustration based upon the materials taught up to this point in class.

### Prerequisites

---

- Completion of SAB-CEK2842 Arbortext IsoDraw 7.0 with CADprocess - Object Information

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw with CADprocess.

### Topics

---

- Create a cut-away illustration using 3-D tools.
-

## Table of Contents

Module 1	Project II
----------	------------

## Arbortext IsoDraw 7.0 with CADprocess - New 3-D Features

Course Code	SAB-CEK2853
Course Length	1 Hour

### Overview

---

In this course, you will learn about the new features introduced with Arbortext IsoDraw CADprocess 7. You learn about the Browser Window, and 3-D Animation.

### Prerequisites

---

- Completion of SAB-CEK2852 Arbortext IsoDraw 7.0 with CADprocess – Project II

### Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw with CADprocess.

### Topics

---

- Use and configure the Browser Window.
  - Paste and place files into the active document.
  - Differentiate between placing and pasting files.
  - Understand Browser Window restrictions.
  - Create a 3-D animation sequence.
  - Play an animation in IsoView.
-

## Table of Contents

Module 1	New 3-D Features
----------	------------------

# Arbortext IsoDraw 7.0 - Understanding the Computer Graphics Metafile (CGM)

Course Code	SAB-CEK2854
Course Length	1 Hour

## Overview

---

In this course, you will learn about the computer graphics metafile (CGM) file format.

## Prerequisites

---

- Basic computer skills in a Microsoft Windows computing environment
- Background or related experience in an Engineering or Technical Publications Department

## Audience

---

This course is intended for:

- Authors, editors, and illustrators of technical information.
- Technical and administrative staff.
- Individuals and organizations evaluating Arbortext IsoDraw.

## Topics

---

- Describe a CGM file.
  - Understand the benefits of using CGM files.
  - Comprehend and configure CGM files for export.
  - Configure CGM import, export, and advanced export options.
  - Identify CGM industry-specific and CGM standard profiles.
  - Classify the CGM versions.
-

## Table of Contents

Module 1	Understanding the Computer Graphics Metafile (CGM)
----------	--

---