Creating 3-D Drawings using Pro/ENGINEER Wildfire 4.0

Overview

Course Code
SAB-CEK2871

Course Length
4 Hours

Creating 3-D Drawings using Pro/ENGINEER Wildfire 4.0 is a half day Web-based course that teaches you how to create Pro/ENGINEER models with embedded information like dimensions, notes, surface finishes, and Geometric Dimensioning and Tolerancing (GD&T). In this course, you will learn how to use the 3-D drawings for planning the downstream process map, layouts, and tools at an early stage of the product development cycle. At the end of the session, you will be able to create 3-D drawings compliant to the ASME Y14.41 standard, manage the information added, as well as display and use this information in traditional 2-D drawings if needed. After completing this course, you will be well prepared to create 3-D drawings using Pro/ENGINEER Wildfire 4.0. At the end of each module, you will complete a skills assessment. The questions are used to help reinforce your understanding of the module topics and form the basis for review of any topics, if necessary.

Course Objectives

- Understand the difference between 3-D drawings and traditional 2-D drawings.
- Describe Digital Product Definition.
- Create 3-D drawings using Annotation features.
- Use annotation features to add notes, dimensions, geometric tolerances, surface finish, and manufacturing information.
- Clean up and manage the annotations on the model.
- Create 3-D drawing views using combined view states.
- Create 2-D drawings using Annotation elements.
Prerequisites

• Introduction to Pro/ENGINEER Wildfire 4.0.

Audience

• This course is intended for mechanical designers, design engineers, and related roles.
# Table of Contents

<table>
<thead>
<tr>
<th>Module</th>
<th>1</th>
<th>Introduction to the 3-D Drawing Process</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module</td>
<td>2</td>
<td>Creating Annotations</td>
</tr>
<tr>
<td>Module</td>
<td>3</td>
<td>Organizing Annotations</td>
</tr>
</tbody>
</table>