

Introduction to Pro/ENGINEER Wildfire 3.0

Course Code	TRN-1803-T
Course Length	5 Days

Overview

This course is designed for new users who want to become proficient with Pro/ENGINEER Wildfire 3.0 as quickly as possible. You will focus on learning core-modeling skills in this comprehensive, hands-on course. Topics include sketching, part modeling, assemblies, drawings, and basic model management techniques. The course also includes a comprehensive design project that enables you to practice your new skills by creating realistic parts, assemblies, and drawings.

At the end of each module, you will find a set of review questions to reinforce critical topics from that module. Your instructor will discuss these with the class. Both in the middle and at the end of the course, you will find a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.

After completing the course you will be well prepared to work effectively on product design projects using Pro/ENGINEER Wildfire.

Prerequisites

- None

Audience

This course is intended for product designers, drafters, industrial/conceptual designers, and routed systems designers. People in related roles will also benefit from taking this course.

Topics

- Capturing Sketched Design Intent
 - Creating Sketched-based Features
 - Creating Part Models
 - Assembling Components with Constraints
 - Assembling Components with Connections
 - Creating Drawings
 - Editing Models
 - Creating Reference Geometry
 - Creating Direct Features
 - Managing Parent/Child Relationships
 - Resolving Regeneration Failures
 - Managing Layers
 - Managing Assemblies
 - Duplicating Design Model Features
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- Analyzing Design Models
 - Comprehensive Design Project
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Agenda

Day 1

Module 1	Introduction to Pro/ENGINEER Wildfire 3.0
Module 2	Editing Design Models
Module 3	Creating Direct Features
Module 4	Sketching Basic Geometry Features

Day 2

Module 5	Capturing Design Intent with Sketcher
Module 6	Assembling Components using Constraints and Interfaces
Module 7	Managing Parent/Child Relationships
Module 8	Project I

Day 3

Module 9	Creating Drawings
	ProFICIENCY
Module 10	Resolving Regeneration Failures
Module 11	Managing Layers

Day 4

Module 12	Sketching Advanced Geometry Features
Module 13	Assembling Components using Mechanism Connections
Module 14	Duplicating Design Model Features
Module 15	Enhancing Design Models using Family Tables, Relations, and Parameters

Day 5

Module 16	Managing Assemblies
Module 17	Project II
Module 18	Analyzing Design Models
	ProFICIENCY

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