

## Advanced Modeling with Pro/ENGINEER Wildfire 4.0

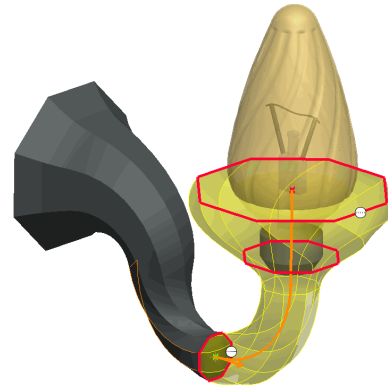
### Overview

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Course Code TRN-2175-T

Course Length 3 Days

The Advanced Part Modeling with Pro/ENGINEER Wildfire 4.0 training course teaches you how to use advanced part modeling techniques in Pro/ENGINEER Wildfire 4.0 to improve your product designs. In this course, you will learn how to create and modify design models using advanced sketching techniques and feature creation tools. You will also learn how to reuse existing design geometry when creating new design models. Pro/FICIENCY assessments will be provided in order for you to assess your understanding of the course materials. The assessment results will also identify the class topics that require further review. At the end of the class, you will either take an assessment via your PTC University account, or your instructor will provide training on how to do this after the class. After completing this course, you will be well prepared to work efficiently with complex product designs using Pro/ENGINEER Wildfire 4.0.



### Course Objectives

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- Learn advanced selection techniques
  - Create advanced datum features
  - Use advanced sketching techniques
  - Create advanced holes
  - Create drafts
  - Create advanced shells
  - Create advanced rounds and chamfers
  - Use relations and parameters
  - Create advanced blends
  - Create variable section sweeps
  - Create helical sweeps
  - Create swept blends
  - Learn advanced layer techniques
  - Learn how to use different advanced reference management techniques
  - Create family tables
  - Reuse features
  - Learn advanced copy techniques
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- Create advanced patterns

## Prerequisites

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- Introduction to Pro/ENGINEER Wildfire 4.0
- Pro/ENGINEER Wildfire 4.0 Update from Pro/ENGINEER Wildfire 3.0.

## Audience

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- This course is intended for mechanical designers, design engineers and related roles. The topics in this course are also available as Web-based training courses.

# Agenda

## Day 1

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Module 1	Advanced Selection
Module 2	Advanced Datum Features
Module 3	Advanced Sketching
Module 4	Advanced Hole Creation
Module 5	Drafts
Module 6	Advanced Shells
Module 7	Advanced Rounds and Chamfers

## Day 2

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Module 8	Relations and Parameters
Module 9	Advanced Blends
Module 10	Variable Section Sweeps
Module 11	Helical Sweeps
Module 12	Swept Blends

## Day 3

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Module 13	Advanced Layers
Module 14	Advanced Reference Management
Module 15	Family Tables
Module 16	Reusing Features
Module 17	Advanced Copy
Module 18	Advanced Patterns

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