

Advanced Modeling using Creo Parametric 5.0

Overview

Course Code TRN-5302-T

Course Length 24 Hours

The Advanced Modeling Using Creo Parametric 5.0 training course teaches you how to use advanced part modeling techniques 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. After completing this course, you will be well prepared to work efficiently with complex product designs using Creo Parametric 5.0. At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in PTC University Proficiency intended to evaluate your understanding of the course as a whole.

This course has been developed using Creo Parametric 5.0.



Course Objectives

- Learn advanced selection techniques
- Create advanced datum features
- Use advanced sketching techniques
- Create advanced holes
- Create advanced drafts and ribs
- Create advanced shells
- Create advanced rounds and chamfers
- Use relations and parameters
- Create advanced blends
- Create sweeps with variable sections
- Create helical sweeps and volume helical sweeps (3-D sweeps)
- Create swept blends
- Learn advanced layer techniques
- Learn advanced reference management techniques
- Create family tables
- Reuse features
- Learn advanced copy techniques
- Create advanced patterns

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
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Agenda

Day 1

Module 1 Advanced Selection

Module 2 Advanced Datum Features

Module 3 Advanced Sketching

Module 4 Advanced Hole Creation

Module 5 Advanced Drafts and Ribs

Module 6 Advanced Shells

Module 7 Advanced Rounds and Chamfers

Day 2

Module 8 Relations and Parameters

Module 9 Advanced Blends

Module 10 Sweeps with Variable Sections

Module 11 Helical Sweeps and Volume Helical Sweep

Module 12 Swept Blends and Advanced Bends

Day 3

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