

## INTRODUCTION TO CREO SIMULATE



### DETAILS

#### SOFTWARE

- Creo Parametric with Creo Simulation or Advanced Simulate Extension

#### DURATION

- 5 Days

#### DELIVERY METHOD

- Virtual Instructor-Led: Public or Private
- In-Person Instructor-Led: Public or Private

#### ADDITIONAL

- Learning guide provided
- Certificate of Completion provided

#### CONTACT

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#### COURSE OVERVIEW

This training course discusses the fundamentals of Creo Simulate: Structure and Thermal Analysis. It provides students with the knowledge to effectively use Creo Simulate for finite element analysis, thereby reducing their design time. Many concepts apply to both Structure and Thermal analysis; but a half-day is specifically dedicated to Thermal analysis.

This is an extensive hands-on course in which students will have the opportunity to apply their knowledge through real-world scenarios and examples multiple times.

#### PREREQUISITES

Introduction to Creo Parametric or equivalent Creo Parametric experience.

#### COURSE DETAILS:

- FEA Fundamentals: P-elements and analysis convergence methods
- Basic Modeling and Analysis
- Types of Loads and Constraints
- Idealizations: Shells and Beams
- Sensitivity and Optimization Studies
- Assembly Interfaces and Contact Analysis
- Thermal Analysis
- Modal Analysis
- Welds, Springs, and Masses
- Fasteners and Rigid Links
- Buckling Analysis