

# Creo Simulate 7.0 Training

## Structural and Thermal Analysis



### Course Length: 4 days

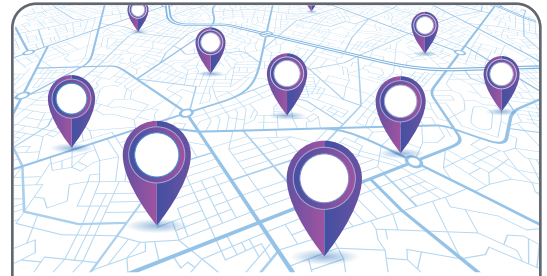
This training course discusses the fundamentals of Creo Simulate: Structure and Thermal Analysis. It provides students with the knowledge to effectively use Creo Simulate for finite element analysis, thereby reducing their design time. Many concepts apply to both Structure and Thermal analysis; but,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

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

### Course Topics:

- 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

**Prerequisites:** Prior to taking this course, it is recommended that users complete the Creo Parametric: Introduction to Solid Modeling course, plus complete a minimum of 80 hours of Creo Parametric experience.



### On-Site Training

Rand 3D offers its Creo Parametric classes at your preferred location. You provide the site and software, and we'll take care of the rest!

In addition to the expertise you'll receive from our instructors, attendees will receive a copy of the learning guide to keep for future reference, and a Certificate of Completion.

For class pricing, please contact your Education Sales Representative.

**Contact us:**  
[training@rand.com](mailto:training@rand.com)  
**877.726.3243**



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Class curriculum is developed by ASCENT, developers of professional training courseware and technical documentation for Autodesk, Dassault Systèmes and PTC software.