

STAAD.Pro V8i Fundamentals

Products Covered: STAAD.Pro V8i

Course Description:

Target Audience: Mechanical Engineer; Plant Engineer; Process Engineer; Structural Designer; Structural Engineer; Structural Engineering Technician

This beginner-level course introduces engineers to using STAAD.Pro software for structural modeling, analysis and design. Engineers who are using STAAD.Pro for the first time, and those who want a refresher course on the sophisticated modeling and analytical tools of the program will benefit.

Learning Objectives:

You will learn fast and better techniques for building and checking complex models. This program is a great time saver for people who are accustomed to doing laborious hand calculations, spreadsheets and large scale simplifications of complex stress analysis and design situations.

Course Topics:

- Introduction to STAAD.Pro
 - Model Generation using the pro-processor
 - Building the Structure Geometry, Visualization and Structural Integrity checking tools
 - Assigning Properties, Member Orientation, Materials, Connection information, Loads
 - Analyzing the model
 - Viewing and validating the results
 - Steel Design - code checking, member selection
 - Modeling walls and slabs using finite elements
 - Generating beam-column-wall-slab models
 - Understanding plate element results
 - Introduction to concrete design
-

Course Details:

Course Prerequisites:

- None
-

Learning Units: 16

Display LUs in: hours