



**RISAcademy**  
ON-DEMAND

## Description:

The RISA-3D Steel Design Course is 2 hours of hands-on, on-demand training that focuses on the analysis and design of Hot Rolled Steel structures. The instructor will discuss the application of unbraced lengths, rigid end offsets, and analysis offsets, as well as tips and tricks for modeling single angles. Additional tips and tricks will be provided for torsion and member optimization. The instructor will also highlight the newly available codes for Hot Rolled Steel. The course is aimed at users who are familiar with the RISA-3D interface and are interested in learning more about the specifics of Hot Rolled Steel materials.

Learning Type: Virtual (On-Demand)

Price: \$125

## Topics Covered:

### Unbraced Lengths

- Column-type vs. beam-type buckling
- $KL/r$  considerations
- Unbraced length commands
- Example connections

### Single Angle Considerations

- Principal axis vs. geometric axis
- How do unbraced lengths affect this?

### Design Tools

- Analysis & Rigid End Offsets
- Torsion design
- How torsion affects a shear check

### RISASection Integration

- Creating custom shapes in RISASection
- Analyzing and designing custom shapes

### Hot Rolled Steel Structure Full Workflow Example

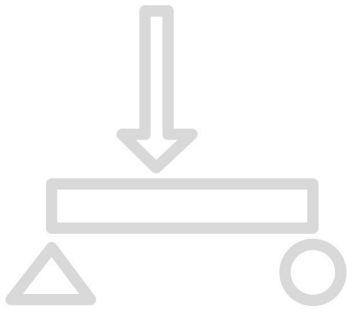
- Section sets
- Design lists
- Design rules
- Code checks
- Suggested design

## Benefits of Attending:

- Deep dive into more advanced topics
- "Learn by Doing" with Real World Models
- Master steel design within RISA-3D

## What You Will Learn

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**Advanced Modeling Tools**



**RISASection Basics**



**Full Model Workflows**



**Steel-Specific Design Tools**