

# RISA 3D Training - Structural Engineering Software

*COURSE CONTENT*

## GET IN TOUCH



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## About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

## About Course

RISA-3D Training by Multisoft Systems is an expert-led online course that introduces structural engineers to RISA-3D, a comprehensive structural analysis and design software. This course covers the fundamentals of creating 3D models, applying loads, running analyses, and interpreting results for various structural components and systems.

## Module 1: Risa 3D Introduction

- ✓ RISA-3D Overview
- ✓ Installation
- ✓ Starting RISA-3D
- ✓ Menus
- ✓ Toolbars

## Module 2: Modeling

- ✓ Create a New Model
- ✓ Members
- ✓ Material Properties
- ✓ Design Rules – Size / UC
- ✓ Boundary Conditions

## Module 3: Modify

- ✓ Modify Members
- ✓ Drawing Wall Panels and Additional Framing
- ✓ Drawing Plates
- ✓ Sub-meshing Plates

## Module 4: Loading

- ✓ Area Loads
- ✓ Surface Loads
- ✓ Distributed Loads
- ✓ Basic Load Case Spreadsheet
- ✓ Self-weight
- ✓ Load Categories
- ✓ Load Combinations

## Module 5: Solving & Results

- ✓ Solving the Model
- ✓ Graphic Results
- ✓ Batch Solution
- ✓ Envelope Solution
- ✓ Optimizing Member Sizes

## Module 6: Dynamic Analysis

- ✓ Dynamic Solution
- ✓ Frequencies and Mode Shapes
- ✓ Response Spectra Analysis

## Module 7: Interoperability

- ✓ RISA-Revit Structure Link
- ✓ CIS/2 Translator
- ✓ RISA-3D & CAD