

Simcenter Nastran 2019.2

Introduction to Finite Element Analysis with Simcenter Pre/Post

Course Code	NAS111-GH
User Level	Beginner to Intermediate
Language	English
Price	\$3,300.00 (USD) (Price may not include taxes applicable to your billing region)
Training Center Duration	3 Days

For More Information [Learning Services, USA \(training.usa.plm@siemens.com\)](mailto:training.usa.plm@siemens.com)

The **Introduction to Finite Element Analysis with Simcenter Pre/Post** course is an introductory course for static finite element structural analysis using NX Nastran. The course is designed to teach NX Nastran independent of pre- and post- processors. However, additional material is available for demonstration of use with Simcenter 3D. It is intended for analysts who want to learn the details of how to perform static structural analysis using NX Nastran.

The course covers the details of the structural analysis processes to define loads and boundary conditions, FEA model checking and solving, and interpreting the results. This course also covers NX Nastran deck format, executive section, Case control, Output control, and common element uses and limitations.

This course **does not** cover any topics of Simcenter Pre/Post. For information on Simcenter Pre/Post, please refer to the prerequisites information below.

WHO SHOULD ATTEND

This course is intended for designers, engineers and finite element analysts who would like to understand how to perform linear static analysis using NX Nastran.

PREREQUISITES

Other recommended courses:

- Pre/Post Fundamentals (TR15220)

- Basic understanding of finite element analysis principles, statics, solid mechanics, and basic dynamics.

PROVIDED COURSE MATERIAL

- Student Guide
- Activity Material

COURSE TOPICS

- Introduction to static finite element analysis
- Static solution sequences
- Case control
- Output control
- Common elements, uses and limitations
- Constraint and load types
- Model verification and checking
- Buckling analysis

Course Description
