Autodesk Inventor Nastran Essentials

Course Details:

Duration: 2 Days (varies)

Prerequisite: Completion of "Inventor Introduction"; familiarity with Finite Element Analysis terms and concepts

Courseware: Included

Achievement: Certificate

Time: 8:30 a.m. - 4:30 p.m.

General Information:

Locations: All courses are offered online, on-site, or in-person at SolidCAD training facilities across Canada, including:

Burnaby, BC
Calgary, AB
Edmonton, AB
Regina, SK
Winnipeg, MB
Richmond Hill, ON
Ottawa, ON
Montreal, QC
Quebec City, QC
Hanwell, NB
Halifax, NS

Pricing, Registration & Scheduling: Please contact our training coordinator at 1-877-438-2231 x227 or via email at training@solidcad.ca

Complete course listing:
www.solidcad.ca/training

AUTODESK
Authorized Training Center

Course Description:

Autodesk Inventor Nastran Essentials program introduces designers to the add-on environment inside Autodesk Inventor for performing advanced finite element analysis to help users understand how their designs will perform. Linear and nonlinear static analyses as well as vibration-related simulations are covered.

Upon completion, users will have the ability to confidently validate their digital prototypes and make early decisions to optimize their designs.

Learning Objectives:

- Introduction to the Inventor Nastran environment
- Idealizations and materials (linear, nonlinear and composites)
- Analyses for static (linear & nonlinear) and dynamic models (frequency and transient response)
- Boundary conditions (loads & constraints)
- Connector elements (rod, cable, spring, rigid body, bolt)
- Surface Contact definition
- Global and local mesh settings
- Running an analysis (Output browser)
- Post-processing results (plots and charts)

Supplemental Learning:

- Autodesk Fusion 360 – Simulation and Generative Design
- Autodesk Inventor Simulation
- Autodesk Inventor Intermediate
- Autodesk Inventor Design Automation
- Autodesk Inventor Sheet Metals
- Autodesk Tube and Pipe