

SOLIDWORKS Simulation Premium Composite – 1 day (7h)

**The "SOLIDWORKS Simulation Static" training is required for this class.
**The "SOLIDWORKS Simulation Professional" training is required for this class.*

- Introduction to Composites
- Objectives
- Composite Materials
- Composite Lamina
- Composite Laminates
- SOLIDWORKS Simulation Premium: Composites
- Composite Post Processing
- Case Study: Mountain Board
- Project Description
- Stages in the Process
- Lamina Properties
- Experimental Measurements
- Micromechanics
- Required Parameters
- Strength Parameters
- Composite Options
- Composite Orientation
- Offset
- Shell Alignment
- Composite Post Processing
- Stresses
- Inter Laminar Shear
- Failure Criterion
- Shear Stresses
- Summary
- Reference

Course Objectives : At the end of each course, students will know the capabilities of the software and will be able to use the learned features.
Training Course : Training is given in class at SolidXperts or online where each student has access to a workstation or online product version.
Methodology : Training is based on case studies demonstrated by the instructor. At the end of each lesson, time will be given for exercises.
Competences Evaluation : During the classwork, the instructor will correct the exercises on-demand and explain the solutions to the entire class if needed.
Instructor : SolidXperts trainers are Certified SolidWorks Instructors (CSWI) and authorized by Emploi-Québec.
Course Materials : One or more training manuals are included with the training course.
Attestation : A certificate will be given to each student at the end of the course to attest to the successful completion of the requirements for the course.