

# HyperX® Training Agenda

Our HyperX Training course is suitable for both novice and experienced HyperX users. The course begins by reviewing the fundamental software capabilities for novice users on Day 1 and quickly builds to studying the advanced software features. The course material is structured so the users become proficient at driving HyperX while also fully understanding the analysis & sizing methodology behind the software.

## Objectives

- Understand how to use HyperX for both preliminary design and final analysis use-cases
- Develop best practices for deploying HyperX within a stress group
- Create and manage material data in HyperX
- Review traditional aerospace analytical methods
- Use HyperX to perform stress analysis and sizing of complex airframe structure
- Learn workflows for sizing and analysis of both composite and metallic structures
- Extract meaningful stress analysis data for reporting

## Who Should Attend?

Stress and design engineers with an interest in automated sizing and analysis of composite and metal airframe structure.

## Course Overview

**Course customized to include any combination of the following topics:**

- The Design Workflow
- The Analysis Workflow
- FEM Integration
- HyperX Entities
- Joints
- Section Cuts
- Defining a Problem in HyperX
- HyperX Stress Analysis
- Sizing Modes
- FEA Iteration
- Sizing with Composites
- Stiffened Panel Sizing and Analysis
- Team and Data Management
- Custom Applications