



INTRATECH work as an extension of your team to offer an exceptional PLM experience. We combine your goals and passion, with our knowledge, creating shared experiences. We adopt the latest tech and agile methodologies so, even as technology changes, our relationships last a lifetime.

We are a Dassault Systèmes Authorized Certification centre and an OEM Endorsed Training Provider. Training with INTRATECH supports your use of technology, creating new innovations, adopting new tools and methodologies. We use our own experienced engineers to deliver training courses covering the 3DEXPERIENCE® platform, CATIA, ENOVIA, DELMIA and SIMULIA Abaqus.

## CATIA V5 Surfacing (GSD) Training Course

Course Duration	Participant's Profile	Pre-Requisites
3 Days	New CATIA V5 Mechanical Designers	6 months minimum use of CATIA (V5 Fundamentals is recommended) Experience with the Windows operating system

### Objectives

This course covers the CATIA Generative Shape Design (GSD) workbenches and includes general tuition in surfacing concepts, quality and methodology. All key functions are covered along with recommended methods for constructing and editing history-based surface models. This course is suitable for a broad range of users, working in areas as diverse as geometry import and repair, tooling design, automotive body-in-white and race car design.

The course includes a mixture of presentation, tutorial and exercises, enabling students to gain hands-on experience. Course sizes are intentionally kept small, typically 6 students. This allows our trainers to meet the requirements of individual students, while relating course content to work related issues.

### Course Content

#### Day 01

- Consolidate Basic GSD Principles
- Quality issues
- Curve/Surface Analysis
- Split, Trim, Join
- Curves on Supports and without Supports

#### Day 02

- Geometrical Set Management
- Lofted Surfaces (Multisection surface)
- Swept Surfaces
- Laws

#### Day 03

- Model Navigation
- Filleted Surfaces
- Blend Surfaces
- Fill Surfaces
- Healing
- Additional Useful Commands

