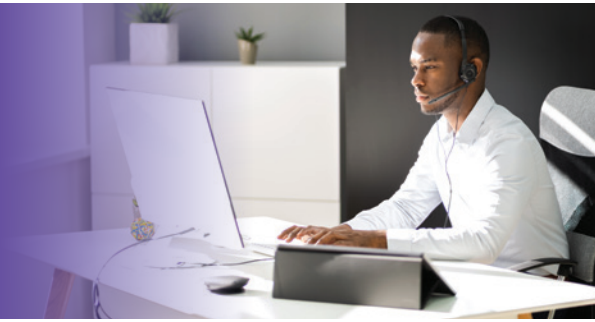# CATIA V5-6R2018 Training
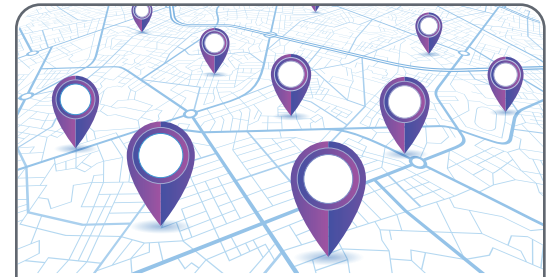**Introduction to Modeling**

Course Length: 5 days

Learn the process of designing models with CATIA from conceptual sketching, through to solid modeling, assembly design, and drawing production. Upon completion of this course you will have acquired the skills to confidently work with CATIA. Gain an understanding of the parametric design philosophy of CATIA in this extensive hands-on course. It is recommended that all new users of CATIA take this course.

Course Topics:

- Overview of Parametric Design Process
- Customization of CATIA V5 Environment
- Creating and Constraining Sketch Geometry
- Sketched Feature Techniques and Formulas
- Adding Material with Pad and Shaft Features
- Removing Material with Pocket and Groove Features
- Creating Reference Elements for Construction and Measurement
- Fillet, Chamfer, Hole, Draft, and Shell Dress-Up Features
- Pattern, Copy, and Mirror Duplication Features
- Thin Features, Stiffeners
- Obtaining Part Information
- Generative Drafting View Creation
- Generative Drafting Dimensioning and Annotation
- Rib and Slot Features
- Multi-sections Solid Features
- Feature Management using the Hide / Show, Activate / Deactivate Functions
- Parent/Child Relationships and Feature Failure Resolution
- Assembly Design Workbench
- Constraint Creation, Assembly Management, and PDM Considerations
- Obtaining Assembly Information (Measure, Clash, and Bill of Materials)
- Standard Parts from Catalogs and Save Management
- Working with Multi-Body Models
- Effective Modeling Tips and Techniques

Complimentary when you purchase this course: Quick Reference Cards: Part & Assembly Design Workbench / Sketcher Workbench

Prerequisites: Experience in mechanical design and drawing production is recommended.

Learn Where It's Convenient for You

Attend Classes:

- Online with an instructor
- At one of our training centers
- At your on-site training facility
- At a location of your choice (via our mobile training labs)

Contact us:
training@rand.com
877.726.3243

Class curriculum is developed by ASCENT, developers of professional training courseware and technical documentation for Autodesk, Dassault Systèmes and PTC software.