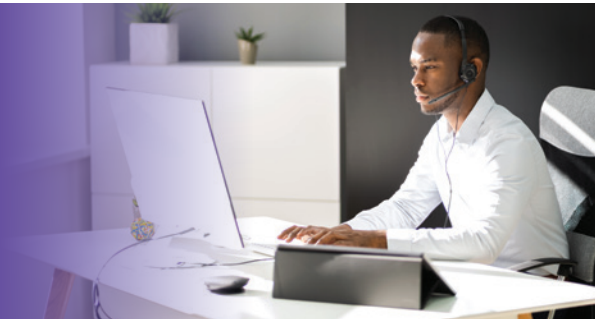# CATIA V5-6R2018 Training
Advanced Surface Design

Course Length: 3 days

This course expands on the knowledge learned in the CATIA: Introduction to Surface Design training course by covering advanced curve and surface topics found in the Generative Shape Design Workbench. Topics include: advanced curve construction, advanced swept, blend and offset surface construction, complex fillet creation, and the use of laws. Curve and surface analysis are introduced to validate the student's geometry. Tools and methods for rebuilding geometry are also discussed. As with the CATIA: Introduction to Surface Design training course, meeting model specifications (such as continuity settings) remains forefront in introducing tools and methodologies.

Course Topics:

- Surface Design Overview
- Advanced Wireframe Elements
- Curve Analysis and Repair
- Swept Surfaces
- Blend Surfaces
- Adaptive Sweep
- Laws
- Advanced Surface Fillets
- Alternative Filleting Methods
- Duplication Tools
- Knowledge Templates
- Surface Analysis and Repair
- Offset Surfaces
- Project Exercises

Prerequisites: CATIA Introduction to Surface Design

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- At one of our training centers
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