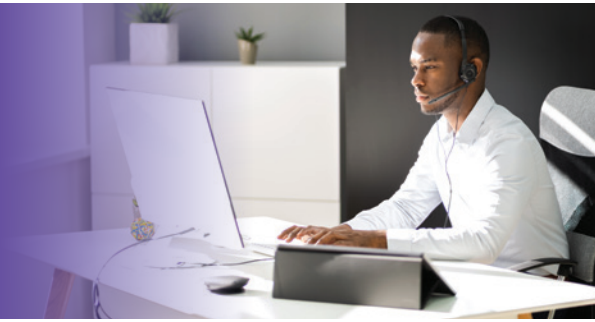


# CATIA V5-6R2018 Training

Generative Structural Analysis (GSA)



## Course Length: 2 days

This training course covers the fundamentals of the Generative Structural Analysis (GSA) workbench in CATIA. It provides you with the knowledge to effectively use CATIA for structural finite element analysis and simulation, thereby reducing design time. This is an extensive hands-on training course, in which you have the opportunity to apply your knowledge through real-world scenarios and examples.

## Course Topics:

- FEA fundamentals
- Basic modeling and analysis
- Types of loads and restraints
- Mesh refinement and adaptivity
- Virtual parts
- Assembly modeling and analysis
- Contact analysis
- Simulation of fastened assemblies
- Shell idealizations
- Frequency analysis

**Prerequisites:** CATIA Introduction to Modeling or equivalent CATIA experience. Some FEA knowledge is beneficial, but not a strict requirement.



## 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](mailto:training@rand.com)  
877.726.3243



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