



The following is a sample list of training topics approved for software companies.

BUSINESS SKILLS

Advanced Communication Skills
Customer Facing Skills
Cross Functional Collaboration Skills
Data Archiving/Record Retention Skills
Finance/Accounting Skills
Negotiation Skills
Presentation Skills
Pricing/Packaging Technology and Trends
Time Management Skills

COMPUTER SKILLS

CPQ (Configure, Price, Quote) System Skills
Graphic Design Skills
InDesign Skills
JIRA (project and issue tracking software)
Oracle
Perforce Software
Photoshop Skills
Salesforce.com
SharePoint Skills
Web Development Skills

CONTINUOUS IMPROVEMENT

Conflict Resolution Skills
Decision Making Skills
Global Leadership Skills
Process Improvement Skills
Project Management Skills
Root Cause Analysis
Strategic Planning Skills
AT Hours
0-200

ADVANCED TECHNOLOGY

.Net UI (User Interface)

Agile/Agile Project Management with SCRUM

Altair PBS (Portable Batch System)

Professional

Build Automation

CA Siteminder Authentication

Cloud Computing

Engineering/Modeling Software Skills

Data Visualization Technologies

Graphics Technologies

High Performance Computing (HPC) Technologies

IBM Platform LSF (Load Sharing Facility)

Meshing Technologies

Microsoft.Net

Microsoft Silverlight

Mobile Application Development

NetBeans Rich Client Platform

Oracle

Programming Skills

Apache Tomcat and Apache

TomEE Programming

C++ Programming

C# Programming

CUDA Programming

Fortran Programming

HDF5

Java Programming

MPI Programming

Open MP Programming

OpenCL Programming

OpenGL Programming

PERL Programming

PostgressSQL

Python Programming

Shell Programming

UML Programming

Release Engineering

Software Development Methods

Tomcat
UI Technologies
UX Technologies
XAML
XML

COMPUTER SKILLS

Adams/Solver Theory: Achieving Robust, Converged Solutions
Advanced Contact Analysis Using MSC Nastran and Patran (with Contact Tables or Contact Pairs)
Advanced Durability and Fatigue Life Analysis Using MSC Fatigue
Advanced Dynamic Analysis Using MSC Nastran
Advanced Geometry, Meshing, Customization and Variable LBCs Using Patran)
Advanced Linear Analysis Using MSC Nastran)
Advanced Modeling Elements and Techniques with Adams/Solver
Advanced Nonlinear Analysis Using Marc and Mentat (Advanced Nonlinear Analysis Using Marc and Patran
Advanced Parametrics, Design Sensitivity and Optimization
Advanced Substructure Analysis Using MSC Nastran - Secondary Superelements
Aeroelasticity Using MSC Nastran
Automating Tasks and Basic GUI Customization Using the Patran
Programming Command Language (PCL) Automating Tasks Using Adams/View Scripting, Macros and GUI
Customization
Basic Durability and Fatigue Life Analysis Using MSC Fatigue
Basic Dynamic Analysis Using MSC Nastran and Patran

Basic Nonlinear Analysis Using Marc and Mentat
Basic Nonlinear Analysis Using Marc and Patran
Basic Substructure Analysis Using MSC Nastran - Primary Superelements
Basic Suspension and Full Vehicle Analysis Using Adams/Chassis
Complete Multibody Dynamics Analysis with Adams
Composite Laminate Modeling Using Patran
Composite Material Analysis Using MSC Nastran
Contact Analysis Using MSC Nastran and Patran (with Contact Tables or Contact Pairs)
Control System Integration with Adams Using MATLAB or Easy 5
Design of Experiments (DOE) and Stochastics (Monte Carlo) Analysis Using Adams
Design Sensitivity and Optimization Using MSC Nastran
Dynamic Analysis Using MSC Nastran
Dynamic System Modeling and Simulation Using Easy 5
Explicit Nonlinear Analysis (SOL700) Using MSC Nastran and Patran
Flex Body Dynamics and Modal Stress Recovery Using Adams
Fluid Structure Analysis Using MSC Nastran
Formulae SAE Applications Using Adams/Car
Frequency Domain Analysis Using Adams/Vibration
Fundamentals of Multibody Dynamics Analysis with Adams (16 hours)
Gear, Belt and Chain Modeling with Adams/Machinery
Implicit Nonlinear Analysis Using MSC Nastran (SOL 600)

Implicit Nonlinear Analysis Using
MSC Nastran and Patran (24 hours)
Introduction to Patran (40 hours)
Linear Static Analysis Using MSC
Nastran and Patran (40 hours)
Linear Statics and Normal Modes
Analysis Using MSC Nastran (24
hours)
Modeling and Simulation of Fluid
Power Systems Using Easy 5 (16
hours)
Modeling and Simulation of Gas
Systems Using Easy 5 (16 hours)
Modeling and Simulation of Multi-
Phase Fluids Using Easy 5 (16
hours)
Rotodynamic Analysis Using MSC
Nastran (16 hours)
Thermal Analysis Using MSC
Nastran (24 hours)
Thermal Analysis Using MSC
Nastran (SOLs 153 and 159) (32
hours)
Vehicle Modeling and Simulation
Using Adams/Car (32 hours)
Vehicle Modeling and Simulation
Using Adams/Driveline (8 hours)
Working with Custom MSC Nastran
Solution Sequences Using DMAP
(24 hours)
Writing User Subroutines in
Adams/Solver (8 hours)