

COURSE CATALOG

V6

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3DEXPERIENCE

3DS Learning Solutions | Course Catalog

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3DVIA

3DVIA Explain

3DVIA Composer Essentials (CPS)	
Course Code	3DVIA-en-CPS-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	20 hours
Course Material	English
Level	Fundamental
Audience	Technical Illustrators, Technical Support / Sales Engineers, Sales Demonstrators
Description	This course will teach you how to work with a 3d model using 3DVIA Composer to capture its views, add annotations, and change its redering. You will learn how to create technical illustrations and high resolution images. You will also learn how to create animations; publish and share the content.
Objectives	<p>Upon completion of this course, you will be able to:</p> <ul style="list-style-type: none"> - Open and navigate in a model using 3DVIA Composer - Capture views of the model - Enhance the model by adding annotations and changing its rendering - Create technical illustrations - Create high resolution images - Create animations - Publish and share the 3DVIA Composer content
Prerequisites	Students attending this course should be familiar with the Windows Operating System.
Available Online	Yes

CATIA

CATIA Equipments V6

CATIA 3D Electrical Design Essentials (EHD)	
Course Code	CAT-en-EHD-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	24 hours
Course Material	English
Level	Fundamental
Audience	Electrical Engineers who are new to Electrical Physical System Design using CATIA V6
Description	This course will teach you to create electrical physical system in CATIA V6 and thereby help you in designing the electrical physical systems. You will work with the catalogs to place the components from the electrical libraries. You will learn the routing of branches for creating electrical branch geometries, managing the electrical geometry content, and routing conductors through the electrical geometry. You will also learn the 3D Master Approach of annotating the electrical physical system.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Import CATIA V5 data into CATIA V6 - Create and use an Electrical Library using Project Resource Management (PRM) - Create an Electrical Geometry - Route Conductors through the Electrical Geometry - Annotate the Electrical Physical System using the 3D Master Approach
Prerequisites	Student attending this course should understand the Electrical Geometry Design process.
Available Online	Yes

CATIA ElectroMechanical Circuit Board Essentials (PCB)

Course Code	CAT-en-PCB-F-V6R130
Available Releases	V6R2012 , V6R2012x , V6R2013
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Engineers who need to prepare electronic circuit boards to exchange data with ECAD applications
Description	This is a process-based course that uses an industrial scenario to teach you how to use the CATIA Circuit Board Design workbench. First, you will learn how to work with a catalog of electronic components. Next, you will learn how to create a circuit board geometry in the context of a mechanical assembly, and how to create spatial and technological constraint areas. You will also learn how to exchange data with an ECAD application using IDF files (import / export). Finally, you will learn how to compare and update the MCAD data to sync it with the ECAD data.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Work with a catalog of electronic components - Design a circuit board in the context of an assembly - Exchange data between an ECAD application and CATIA V6 (MCAD) using the IDF format - Compare and update the circuit board design modifications
Prerequisites	<ul style="list-style-type: none"> - V6 users should have attended the CATIA V6 Mechanical Design Fundamentals (V6F) course

CATIA ElectroMechanical Circuit Board Essentials (PCB)

- V5 users should have attended the CATIA V5 to V6 Mechanical Design Transition (V6MT) course
- All students should be well-versed with the basic electronics concepts

Available Online

Yes

CATIA Piping and Tubing Administration (PTS)	
Course Code	CAT-en-PTS-F-V6R130
Available Releases	V6R2012x , V6R2013
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Senior CAD Designers and Fluid Systems Solution Administrators
Description	<p>This course will teach you how to set up Fluid Systems Resources and create the piping components. You will learn how to manage component catalogs, design validation rules, and global naming conventions. You will also learn how to customize the GVS file for drawings. The course also features a master exercise that enables you to practice creating a piping and tubing setup.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Set up and administer the V6 Fluid Systems Solution - Create and manage Fluid Systems Resources - Build equipments, supports, and components - Reuse the piping standard data for design setup - Create and manage component catalogs - Define the global naming conventions - Create the checks and rules for design validation - Create templates for generating reports - Customize the GVS file for drafting
Prerequisites	<p>Students attending this course should have attended the CATIA V6 Mechanical Design Fundamentals and the CATIA Piping and Tubing Design Essentials courses.</p>

CATIA Piping and Tubing Administration (PTS)

Available Online

Yes

CATIA Piping and Tubing Design Essentials (PTD)	
Course Code	CAT-en-PTD-F-V6R130
Available Releases	V6R2012 , V6R2013
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Piping or Tubing Designers, CATIA V5 or V6 Designers
Description	Upon completion of this course you will be able to route straight pipes or tubes, place parts, route flexible tubes, adjust the design of piping or tubing network, document and validate the design.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Route straight pipes or tubes - Position piping or tubing parts - Manage flexible tubes - Adjust the design of a piping or tubing network - Validate and document the piping and tubing design
Prerequisites	<ul style="list-style-type: none"> - Students attending this course should : - Understand the Piping or Tubing Design process. - Have attended CATIA V5 to V6 Mechanical Design Transition or CATIA V6 Mechanical Design Fundamentals.
Available Online	Yes

CATIA Systems Generative 3D Electrical Essentials (EGD)

Course Code	CAT-en-EGD-F-V6R130
Available Releases	V6R2012 , V6R2012x , V6R2013
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Electrical System Designers, System Architects, and Electrical Geometry Designers
Description	<p>CATIA Systems Generative 3D Electrical unifies the logical definition of electrical geometry and its physical mock-up in a single workflow. 3D physical electrical geometry and placement can be automatically generated from its 2D schematic logical and 3D space reservation definition. Overall design change management cost is dramatically reduced as a result of the tight coupling between logical and physical aspect, and the quality is improved. Reusing logical information to build physical data will save time to the user, by avoiding him to do the work twice; one in the logical design, and the second time in the 3D design.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Explain the significance of the CATIA Systems Generative 3D Electrical product - List the benefits and capabilities of the product - Describe how to generate 3D electrical geometry from logical definitions.
Prerequisites	Students attending this course should be familiar with the CATIA Systems Logical Electrical and Fluidic

CATIA Systems Generative 3D Electrical Essentials (EGD)

Design, CATIA Systems Logical 3D Architecture Design, and CATIA 3D Electrical Design courses.

Available Online

Yes

CATIA V5 to V6 Electrical Transition (V6VET)	
Course Code	CAT-en-V6VET-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	24 hours
Course Material	English
Level	Fundamental
Audience	Electrical Designers
Description	<p>This course will teach you how to transition from CATIA V5 Electrical Design to CATIA V6. You will learn how to import CATIA V5 electrical data into V6, create Electrical Device Libraries, instantiate devices, and create Electrical Assemblies. In the V6 context, you will learn how to use electrical assemblies to create an electrical geometry network and route the conductors. Additionally, you will learn how to flatten the electrical geometry and create the corresponding electrical geometry document (electrical drawing). This course will also teach you how to use the Collaboration features of CATIA V6.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Manage, create and edit documents in V6 - Collaborate with the Community - Perform Impact Analysis and Propagation - Design parts in the assembly context - Migrate electrical data from V5 to V6 - Create and place electrical devices - Route Electrical Geometry and Conductors - Flatten the Electrical Geometry and create an electrical Drawing - Manage various product configurations

CATIA V5 to V6 Electrical Transition (V6VET)

Prerequisites

Students attending this course must be familiar with Electrical Design in CATIA V5.

Available Online

Yes

CATIA Wire Harness Documentation and Formboard Essentials (EFB)

Course Code	CAT-en-EFB-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Electrical System Designers
Description	This course will teach you how to create 2D drawings of electrical systems, which is required for manufacturing the wire harnesses. You will learn how to extract and flatten an electrical system, create drawings using the 2D catalogs and text templates, and add dimensions to the drawings.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Extract an electrical system into the Wire Harness Flattening workbench - Flatten the harness data on the desired 2D plane - Manipulate the flattened harness - Create an electrical drawing - Replace the 3D geometry of components with 2D details - Generate text templates - Create dimensions - Create Support Section views, Device Section views, and Segment Arrangement views
Prerequisites	Students attending this course should have attended the CATIA V6 fundamentals course. They should also be familiar with the Electrical System Design domain and engineering drawings.

CATIA Wire Harness Documentation and Formboard Essentials (EFB)

Available Online

Yes

CATIA

CATIA Infrastructure V6

CATIA V6 Automation Essentials (VBA)	
Course Code	CAT-en-VBA-F-V6R131
Available Releases	V6R2012x , V6R2013x
Duration	24 hours
Course Material	English
Level	Fundamental
Audience	CATIA V6 Administrators, VB Automation Engineers, Application Developers
Description	This course will introduce you to automation process in CATIA using VB.Net language. You will learn how to create automation scripts and macros in CATIA V6 using VBA and VB.Net.
Objectives	<p>Upon completion of this course, you will be able to:</p> <ul style="list-style-type: none"> - Create scripts using VB.Net - Create macros in CATIA V6 - Connect with the Automation server of Microsoft Excel and Word from CATIA - Work with various features of CATIA V6 like Sketches, Part Design Features and Drawings - Understand the V6 Product Model concepts - Learn the coding rules and the V6 adoption guidelines
Prerequisites	Students attending this course should be familiar with CATIA V6 Fundamentals, Scripting preferably with VB, and the Windows Operating System
Available Online	Yes

CATIA

CATIA Knowledge and Reuse V6

CATIA Knowledge Advisor Essentials (KWA)	
Course Code	CAT-en-KWA-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Designers
Description	This course will teach you how to create Knowledge Advisor objects in order to embed parameters and design rules within your models. You will also learn how to check the models, reduce errors and automate the modifications.
Objectives	<p>Upon completion of this course, you will be able to:</p> <ul style="list-style-type: none"> - Customize the specification tree to display knowledgeware features - Create parametric models - Embed your design knowledge in the models - Automate the design and modification processes - Create design configurations using design tables
Prerequisites	Students attending this course should be familiar with the basics of CATIA V6 and Enterprise Knowledge Language (EKL).
Available Online	Yes

CATIA Product Knowledge Template Definition Essentials (PKT)

Course Code	CAT-en-PKT-F-V6R131
Available Release	V6R2013x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	CAD Engineers and Knowledge Engineers
Description	This course will teach you how to create and store interactive features and then reuse and adapt them in a new context.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create and reuse geometric features with power copies and user features - Create PLM templates to reuse products in a new context - Create advance instantiation and re-usability tools like the knowledge patterns and the product tables
Prerequisites	Students attending this course should have attended the CATIA V6 Mechanical Design Fundamentals course. They should also be familiar with the Knowledgeware domain.
Available Online	Yes

Introduction to Enterprise Knowledge Language (EKL)	
Course Code	CAT-en-EKL-F-V6R131
Available Releases	V6R2013 , V6R2013x
Duration	4 Hours
Course Material	English
Level	Fundamental
Audience	CATIA V6 Designers
Description	This course will introduce you to Enterprise Knowledge Language, the driving force behind the Knowledgeware workbenches, which allow you to construct smart-models and automate design for maximum productivity.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Describe the EKL syntax and its usage - Directly manipulate CATIA objects through EKL scripts - Embed design logic in CATIA models using EKL
Prerequisites	Students attending this course should be familiar with CATIA V6 Mechanical Design fundamentals.
Available Online	Yes

CATIA

CATIA Mechanical V6

CATIA Aerospace Sheetmetal Design Essentials (ASH)

Course Code	CAT-en-ASH-F-V6R131
Available Release	V6R2013x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Aerospace Designers
Description	This course will teach you how to use the CATIA Aerospace Sheetmetal Design workbench to create and modify the design of a Hydro-formed Sheetmetal Part. You will learn how to define its external and internal features. You will also learn how to create a drawing of the flattened part.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Define the parameters and standards for an Aerospace Sheet Metal part. - Create and modify the design of a Hydro-formed Sheetmetal Part. - Generate a Drawing with a Flattened Part.
Prerequisites	Students attending this course should be familiar with part design, assembly design and wireframe & surface design using CATIA.
Available Online	Yes

CATIA Composites Engineering Essentials (CEG)

Course Code	CAT-en-CEG-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	40 hours
Course Material	English
Level	Fundamental
Audience	Composites Designers
Description	<p>This course will first teach you how to design simple Composites Parts using a Manual approach. You will then learn how to use a Zone-based approach to complete the preliminary design and then the detailed design, and how the Grid approach can be used for wing, fuselage or wind turbine blade design. You will also learn how to generate plies automatically, generate exact solids, how to use the analysis tools, simulate fiber behavior and create drawings.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Define Composites Parameters - Design a Composite Part using the Manual Approach - Design a Composite Part using the Classical Zone Approach - Design a Composite Part using the Solid Zone Approach - Design a Composite Part using the Grid Approach - Perform and inspect the Producibility Analysis - Export and import the Ply Data - Create a Ply Book
Prerequisites	Students attending this course should be familiar with CATIA V6 Fundamentals

CATIA Composites Engineering Essentials (CEG)

Available Online

Yes

CATIA Composites Manufacturing Essentials (CMP)

Course Code	CAT-en-CMP-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Composites Manufacturing Designers
Description	This course will teach you how to create a manufacturing document from a Composites Engineering design document. You will learn how to modify the Manufacturing Data structure and synchronize the link between the engineering and the manufacturing data after modification. You will also learn how to apply the manufacturing and producibility constraints in the Composites Design Process.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Design a Composite Part using the Manual Approach - Generate a Manufacturing Stacking from an Engineering Stacking - Synchronize the link between the Manufacturing and Engineering parts - Perform and inspect the Producibility Analysis - Compute and optimize a Flattening - Export the Ply Data - Create a Ply Book
Prerequisites	Students attending this course should be familiar with CATIA V6 Fundamentals
Available Online	Yes

CATIA Drafting Essentials (GDR)	
Course Code	CAT-en-GDR-F-V6R131
Available Releases	V6R2013 , V6R2013x
Duration	24 hours
Course Material	English
Level	Fundamental
Audience	Draftsmen
Description	This course will teach you how to create drawings using Drafting workbench. You will learn how to produce a drawing by creating projection views and section views of a 3D model and adding basic dimensions. You will also learn how to use advanced tools to dress-up, annotate the views and to customize the Drafting workbench to suit your needs.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Customize the Drafting workbench to meet your specific requirements - Create simple projection views and section views of 3D parts - Position the views on a drawing sheet - Add dimensions and annotations to the views - Finalize the drawing sheet by adding a title block - Work with large assemblies - Use Generative View Style to customize the drafting standards and settings
Prerequisites	Students attending this course should be familiar with CATIA V6 Fundamentals.
Available Online	Yes

CATIA Fabricated Part Design Essentials (FPD)	
Course Code	CAT-en-FPD-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Mechanical and Structural Designers
Description	This course will teach you how to create a sheet metal part using standard wall, bend and stamping features. You will see how user features can be incorporated into the design and how to use both standard and user-defined materials. Finally you will learn how to create a flat pattern, create a welded part and produce a detailed, annotated drawing.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create a sheet metal part using wall and bend features. - Create stamped features. - Use pre-defined sheet metal parameters. - Manage folded and unfolded views. - Export a finished flat pattern. - Create and manage a welded part. - Generate weld reports. - Create an annotated drawing.
Prerequisites	CATIA V6 Mechanical Design Fundamentals
Available Online	Yes

CATIA Fastener Design Essentials (FSR)	
Course Code	CAT-en-FSR-F-V6R130
Available Releases	V6R2012 , V6R2012x , V6R2013
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Engineers
Description	This course will teach you how to create various types of fastener references using the Fastening workbench. You will learn how to instantiate these references in the assembly context. You will also learn how to review, modify and check the fastener instances. Finally, you will learn how to generate the drawing and the fastener report.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Prepare a fastening assembly - Create a fastener reference - Instantiate the fastener references - Modify the fastener instances - Review and check the fasteners - Generate drawings and reports
Prerequisites	Students attending this course should be familiar with CATIA Mechanical Design Fundamentals.
Available Online	Yes

CATIA Live Compose Essentials (LCE)

Course Code	CAT-en-LCE-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	<ul style="list-style-type: none"> - Mechanical Engineers - Mechanical Designers - Design Architects
Description	<p>This course will teach you how to create and manage product structures. You will explore a product and modify its structure by adding new products and exploding existing products. You will then scan the structure to activate a working product level, search for and add existing parts and use constraints to position the parts. Finally, you will create a new sub-product from a components list and use it to complete the product.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Explore a product and modify its structure using CATIA Live Compose - Select the various working product levels, using the ladder in Live Compose - Search for a product and insert it in the existing assembly - Position the parts using constraints - Create a new sub-product from a component's list and use it to complete the product
Prerequisites	Students attending this course should be familiar with CATIA Live Shape.

CATIA Live Compose Essentials (LCE)

Available Online

Yes

CATIA Live FTA Review Essentials (LFT)

Course Code	CAT-en-LFT-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	<ul style="list-style-type: none"> - Product Reviewers and Presenters, Designers, Engineers - Documentation, Production, Program Management, Sourcing, Design, Quality, and other such departments where interrogating and annotating the 3D model is a frequent or occasional requirement
Description	<p>This course teaches new users how to use CATIA Live Functional Tolerancing and Annotation Review to visualize, query, and filter mechanical dimensioning and tolerancing information contained within part and assembly files. Students will learn how to search and examine a part, view annotations and captures, filter and navigate FTA information, and how to use the dimensioning and tolerancing annotations to enhance understanding and improve decision making. The course also features a Master Exercise for live practice.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Access and visualize View, Capture and Annotation review features - Show / Hide individual 3D annotations and all annotations of a given type - Display FTA captures - Remove the FTA Clipping Plane of a capture - Filter the 3D annotations

CATIA Live FTA Review Essentials (LFT)

Prerequisites

Students attending this course should have taken the ENOVIA 3D Live Essentials course and be familiar with the Windows Operating System

Available Online

Yes

CATIA Live Shape Essentials (LSE)

Course Code	CAT-en-LSE-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Conceptual Designers, Stylists, Simulation and Manufacturing Engineers
Description	<p>This course will introduce you to CATIA Live Shape and its radically different working environment. You will learn how to use CATIA Live Shape to quickly conceptualize, create, and modify mechanical parts and shapes. The course is process-based and it uses an industrial scenario to teach you how to use the tools in the context of creating a design from conceptual data. It features short-duration demos followed by exercises to allow you to practice using the tools. You will learn the related theory, tips and recommendations while performing the exercises.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create a conceptual design directly in 3D - Use the hybrid design environment to quickly conceptualiz your designs - Work on the structures to create the 3D parts - Navigate the structures and position the parts - Reuse the existing designs in your 3D models
Prerequisites	<ul style="list-style-type: none"> - Students attending this course should know the fundamentals of CATIA V6 Mechanical and Shape. - They should also be familiar with the Microsoft Windows operating system.

CATIA Live Shape Essentials (LSE)

Available Online

Yes

CATIA Mechanism Simulation Essentials (MSI)	
Course Code	CAT-en-MSI-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Engineers
Description	This course will teach you to simulate a mechanism. You will learn how to complete and animate a mechanism, then learn how to define behavior by manually recording an animation and by using laws. You will learn how to include analysis of measurements, interferences, speeds and accelerations. Finally, you will learn how to generate traces, swept volumes and snapshots which can be used when reviewing the simulation results.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Complete and animate a mechanism architecture - Create a new mechanism from existing sub-mechanisms - Include dress-up components to complete the mechanism - Create a scenario manually or by using laws - Include measurement and interference analyses - Generate results - Create snapshots for review - Export the final simulation
Prerequisites	Students attending this course should have attended the CATIA V6 Mechanical Design Fundamentals course.

CATIA Mechanism Simulation Essentials (MSI)

Available Online

Yes

CATIA Mold Tooling Essentials (MOT)	
Course Code	CAT-en-MOT-F-V6R130
Available Releases	V6R2012x , V6R2013
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	Mold Tooling Designers
Description	This course will first teach you how to import data and prepare a Mold Base catalog then how to create the Molded Part from the design part. You will learn how to create the Mold Tool and add additional components from the catalog created previously. Finally, you will create a new version of the original part, compare the two part versions and update the Mold Tool with the new version.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Prepare a Mold Tooling catalog - Create a Molded Part from a Design Part - Create and update the Project Unit - Create a completely equipped Mold Tool - Create an Electrode and generate its documentation - Modify the Molded Part and update the Mold Tool
Prerequisites	Students attending this course should have attended the CATIA V6 Mechanical Design Fundamentals and CATIA V6 Advanced courses.
Available Online	Yes

CATIA Plastic Part Design Essentials (PPD)	
Course Code	CAT-en-PPD-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Engineers and Plastic Part Designers
Description	<p>This course will teach you how to create a molded plastic part from a set of styled surfaces. You will use functional modeling to integrate basic features on a rough shell before completing the detailed design. Then you will learn how to analyze, prepare, and integrate the styling surfaces. Finally, you will extract the core and cavity for mold tooling design.</p>
Objectives	<p>Upon completion of this course, you will be able to:</p> <ul style="list-style-type: none"> - Import, analyze, and repair a set of styled surfaces using the Healing Assistant workbench - Reserve space for the components that will be present inside the part - Integrate the Styling surfaces in Functional Design - Use Functional features to create / modify shapes - Manage shell and draft properties and cores - Use external shapes to design in context - Extract the core and cavity models
Prerequisites	<p>Students attending this course should be familiar with the CATIA V6 Mechanical Design Fundamentals and CATIA V6 Mechanical Surface Design courses.</p>
Available Online	Yes

CATIA V5 to V6 Mechanical Design Transition (V6MT)	
Course Code	CAT-en-V6MT-F-V6R140
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x , V6R2014
Duration	12 hours
Course Materials	Chinese , English , French , German , Japanese
Level	Fundamental
Audience	Mechanical Designers, CATIA V5 Designers
Description	This course will teach you how to design a new part with CATIA V6, insert it in a product then position and constrain it. You will also learn how to assign material properties and compute weight, then complete a simple drawing. Finally, you will learn how to create a new part version, replace the original part and update the product.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create new products and parts - Insert a part in a product and position it - Apply materials to parts - Calculate the weight of a product - Insert and complete a drawing - Create a new part version - Replace a part and update a product
Prerequisites	Students attending this course should be familiar with CATIA V5 Fundamentals.
Available Online	Yes

CATIA V5-V6 Design Synchronization Essentials (DCE6)

Course Code	CAT-en-DCE6-F-V6R131
Available Releases	V6R2012x , V6R2013x
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	CATIA V6 designers who need to design in collaboration with CATIA V5 designers.
Description	<p>This is a process-based course which will teach you how synchronised versions of CATIA V6 and CATIA V5 can be used to exchange data during product design. You will see how V6 models can be interactively converted to V5 solids and how V6 features can be preserved in V5, thus allowing a V5 user to modify them. You will see how a modified V5 model can then be imported into V6 and used to replace the original V6 model. Finally, you will see how the batch transfer mode can be used to perform mass data transfer and how it can improve performance.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Convert a CATIA V6 product structure to CATIA V5 interactively. - Convert a CATIA V6 part to CATIA V5 and modify it in V5. - Import the modified V5 part into V6 and compare it with the original part. - Replace a V6 part with a modified V5 part. - Transfer products and parts between V6 and V5 using batch mode.

CATIA V5-V6 Design Synchronization Essentials (DCE6)

Prerequisites	Students should be familiar with CATIA V5 Fundamentals and CATIA V6 Mechanical Design Fundamentals.
Available Online	Yes

CATIA V6 Automotive Body Transition (V6VBT)	
Course Code	CAT-en-V6VBT-F-V6R130
Available Releases	V6R2012 , V6R2012x , V6R2013
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Automotive Designer, CATIA V5 Designer
Description	<p>This course aims at teaching Automotive Mechanical Designers specializing in Body how to shift from CATIA V5 to CATIA V6. Students will learn how to search for models in the V6 database and how to import existing V5 data. Using a role-based scenario in the context of an assembly they will learn how to design parts in collaboration with other users, perform modifications, check impacts and propagate modifications to the database. They will also see how to manage assembly architecture and contextual links, reuse catalog data, work with large assemblies and analyze the resulting design. Finally, they will practice on a specific master project. The objectives of this project are first to create a part, add it on an assembly and position it with constraints, then to create a new part in the context of an assembly. Finally, students will replace the input curves, manage update errors and create an assembly drawing.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Import existing CATIA V5 data and store in V6 - Search for data in the V6 database - Open V6 parts for modification - Share information with other users - Analyze the impacts of modifications - Propagate modifications - Load a product configuration

CATIA V6 Automotive Body Transition (V6VBT)

- Use assembly-level features
- Analyze a product

Prerequisites

Students attending this course should be familiar with the basics of CATIA V5 (Part Design, Assembly Design, Drafting.)

Available Online

Yes

CATIA V6 Automotive Chassis Transition (V6VCT)	
Course Code	CAT-en-V6VCT-F-V6R130
Available Releases	V6R2012 , V6R2012x , V6R2013
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Automotive Designer, CATIA V5 Designer
Description	<p>This course aims at teaching Automotive Mechanical Designers specializing in Chassis how to shift from CATIA V5 to CATIA V6. Students will learn how to search for models in the V6 database and how to import existing V5 data. Using a role-based scenario in the context of an assembly they will learn how to design parts in collaboration with other users, perform modifications, check impacts and propagate modifications to the database. They will also see how to manage assembly architecture and contextual links, reuse catalog data, work with large assemblies and analyze the resulting design. Finally, they will practice on a specific master project. The objectives of this project are to create parts, add the parts to an assembly and position them with constraints, create a contextual part in an assembly, finalize the design intent and create an assembly drawing.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Import existing CATIA V5 data and store in V6 - Search for data in the V6 database - Open V6 parts for modification - Share information with other users - Analyze the impacts of modifications - Propagate modifications - Load a product configuration - Use assembly-level features

CATIA V6 Automotive Chassis Transition (V6VCT)

- Analyze a product

Prerequisites

Students attending this course should be familiar with the basics of CATIA V5 (Part Design, Assembly Design, Drafting.)

Available Online

Yes

CATIA V6 Automotive Powertrain Transition (V6VPT)	
Course Code	CAT-en-V6VPT-F-V6R130
Available Releases	V6R2012 , V6R2012x , V6R2013
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Automotive Designer, CATIA V5 Designer
Description	<p>This course aims at teaching Automotive Mechanical Designers specializing in Powertrain how to shift from CATIA V5 to CATIA V6. Students will learn how to search for models in the V6 database and how to import existing V5 data. Using a role-based scenario in the context of an assembly they will learn how to design parts in collaboration with other users, perform modifications, check impacts and propagate modifications to the database. They will also see how to manage assembly architecture and contextual links, reuse catalog data, work with large assemblies and analyze the resulting design. Finally, they will practice on a master project focusing on a powertrain assembly. The objectives of this project are to modify a part, add and position it in an existing assembly, finalize its design intent and create the assembly drawing.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Import existing CATIA V5 data and store in V6 - Search for data in the V6 database - Open V6 parts for modification - Share information with other users - Analyze the impacts of modifications - Propagate modifications - Load a product configuration - Use assembly-level features

CATIA V6 Automotive Powertrain Transition (V6VPT)

- Analyze a product

Prerequisites

Students attending this course should be familiar with the basics of CATIA V5 (Part Design, Assembly Design, Drafting.)

Available Online

Yes

CATIA V6 Collaborative Design Essentials (CDE)

Course Code	CAT-en-CDE-F-V6R131
Available Release	V6R2013x
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Engineers
Description	<p>This course will teach you how collaborate with other users during design and review, using the PLM workplace to manage your contacts. You will learn how to exchange messages and annotated views and how to start a collaborative review session. You will then learn how to exchange data directly using the synchronous mode and how the asynchronous mode can be used to exchange data using a collaborative design workspace. Finally, you will see how to create a collaborative design project and define project tasks.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Start a collaborative design session - Create and manage user groups - Exchange messages - Send and receive snapshots - Create and share annotations - Collaborate to review a design - Share and merge 3D geometry - Manage collaborative design projects
Prerequisites	Students attending this course should be familiar with CATIA V6 Fundamentals.
Available Online	Yes

CATIA V6 Mechanical Design Advanced (V6E)	
Course Code	CAT-en-V6E-A-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	32 hours
Course Materials	Chinese , English , French , German , Japanese
Level	Advanced
Audience	Mechanical Designers
Description	<p>This course will introduce you to complex modelling techniques. You will learn how to create structured models and complex parts, how to define a product architecture and use it to design in an assembly environment. You will also learn how to manage complex product structures and product configurations, and create part families using parameterized models. Finally, you will learn how to analyze the impacts of design modifications and review a product.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Design complex parts - Manage a complex product structure - Design in an assembly environment - Use assembly-level features - Use product configurations - Analyze impacts of modifications - Analyze a product - Review a product
Prerequisites	CATIA V6 Mechanical Design Fundamentals
Available Online	Yes

CATIA V6 Mechanical Design Fundamentals (V6F)	
Course Code	CAT-en-V6F-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	36 hours
Course Materials	Chinese , English , French , German , Japanese
Level	Fundamental
Audience	Mechanical Engineers
Description	This course will teach you how to build parts using feature-based and functional modeling techniques and how to apply design rules in CATIA V6. This course also teaches you how to create a simple assembly, simulate a mechanism, create a rendered image and generate a simple detail drawing.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Find documents in the V6 database - Open, explore and save documents - Create mechanical parts - Check parts using existing rules - Create and animate an assembly - Create rendered images - Produce a simple detail drawing
Prerequisites	Students attending this course should be familiar with the basics of ENOVIA 3D Live.
Available Online	Yes

CATIA

CATIA PLM Express V6

V5 to V6 PLM Express Design Transition (V6MTX)	
Course Code	CAT-en-V6MTX-F-V6R130
Available Releases	V6R2012 , V6R2012x , V6R2013
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Designers, CATIA V5 Designers
Description	This course will introduce you to PLM Express V6. You will learn how to search for models and import existing V5 data. Using a role-based scenario you will learn how to design in collaboration with other users, perform modifications, check impacts and propagate modifications. You will then learn design in context, replace components with new versions and analyze a product.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Import existing CATIA V5 data and store in V6 - Search for data in the V6 database - Open V6 parts for modification - Share information with other users - Propagate modifications - Use assembly-level features - Analyze a product
Prerequisites	Students attending this course should be familiar with CATIA PLM Express Fundamentals.
Available Online	Yes

V6 PLM Express Essentials (V6FX)	
Course Code	CAT-en-V6FX-F-V6R130
Available Releases	V6R2012 , V6R2012x , V6R2013
Duration	40 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Engineers
Description	This course will introduce you to PLM Express V6. You will learn how to build parts using feature-based and functional modeling techniques and how to apply design rules. You will be able to collaborate with other users to review designs. Finally, you will be able to create a simple assembly, simulate a mechanism and produce a rendered image and simple detail drawing.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Find documents in the V6 database - Open, explore and save documents - Collaborate with other users - Create mechanical parts - Check parts using existing rules - Create and animate an assembly - Create rendered images - Produce a simple detail drawing - Generate and compare Bills of Materials
Prerequisites	Students attending this course should be familiar with the Microsoft Windows Operating System.
Available Online	Yes

CATIA

CATIA Shape V6

CATIA Imagine and Shape Essentials (IMS)	
Course Code	CAT-en-IMS-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Shape Designers, Product Stylists, and Industrial Designers
Description	This course will teach you how to use the CATIA V6 Imagine and Shape workbench to create, modify, and improve product shapes and styles. You will learn how to use the Freestyle Sketch Tracer workbench to import stylist's images in V6. You will also learn how to use the Real Time Rendering workbench to create an environment around a model and render it.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Import and position sketches in CATIA V6 - Create subdivision surfaces using tools specific to the Imagine and Shape workbench - Modify the style surfaces using Shape Design tools - Create the required environment around a model - Apply materials, textures, and 3D textures to your models
Prerequisites	Students attending this course should be familiar with the fundamentals of CATIA V6 Mechanical and Shape.
Available Online	Yes

CATIA Rendering Essentials (REN)	
Course Code	CAT-en-REN-F-V6R120
Available Release	V6R2012
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Industrial Designers and Engineers, Visualization Experts and Team Reviewers.
Description	This course will teach you the concepts of rendering in CATIA workbenches. You will learn how to use the RTR and LRE workbenches to create realistic images. You will learn how to create an ambience, apply materials on an object, tune the viewpoint and render the image
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Apply materials on an object - Create cameras - Create a scene - Tune a viewpoint - Render and save an image
Prerequisites	Students attending this course should be familiar with the Windows Operating System.
Available Online	Yes

CATIA Reverse Engineering Essentials (REV)

Course Code	CAT-en-REV-F-V6R130
Available Releases	V6R2012 , V6R2012x , V6R2013
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Engineers and Shape Designers
Description	<p>This course will teach you how to use the Digitized Shape Editor (DSE) workbench to import and process the digitized data (scans or clouds of points), and how to use Quick Surface Reconstruction (QSR) workbench to create the surface from the digitized data. You will learn how to create a mesh and extract characteristic curves to create surfaces. You will also learn how to use CATIA features in the Reverse Engineering phase to quickly create surfaces using a given point cloud data. The course also provides you with real time industrial examples for your practice.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Import and process digitized point cloud data - Create tessellated mesh on the point cloud data - Extract characteristic curves from the data - Create scans from point cloud data - Create curves on mesh data - Create surfaces from curves
Prerequisites	<p>Students attending this course should be familiar with the CATIA V5 to V6 Surface Transition, CATIA V6 Mechanical Design Fundamentals, and CATIA V6 Mechanical Surface Design courses.</p>

CATIA Reverse Engineering Essentials (REV)

Available Online

Yes

CATIA V5 to V6 Mechanical Surface Design Transition (V6ST)

Course Code	CAT-en-V6ST-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Materials	English , French , German , Japanese
Level	Fundamental
Audience	Mechanical Surface Designer
Description	This course will introduce you to CATIA V6. You will learn how to search for models and import existing V5 data. Using a role-based scenario you will learn how to design in collaboration with other users, perform modifications, check impacts and propagate modifications.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Import existing CATIA V5 data and store in V6 - Search for data in the V6 database - Open V6 parts for modification - Share information with other users - Analyze the impacts of modifications - Propagate modifications to the database
Prerequisites	Students attending this course should be familiar with CATIA V5 (V5 Fundamentals or Part / Assembly Design, Surface Design and Drafting)
Available Online	Yes

CATIA V6 Icem Shape Design Advanced (IEX)	
Course Code	CAT-en-IEX-A-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	12 hours
Course Material	English
Level	Advanced
Audience	Surface Designers who are required to create high-quality surfaces
Description	This course will teach you how to use the advanced surface creation options, the advanced analysis tools, and the Expert tools of CATIA V6 Icem Shape Design. You will learn how to create high-quality surfaces, and analyze and improve the quality of the surfaces.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create high quality surfaces - Analyze surface quality - Correct surface defects
Prerequisites	<ul style="list-style-type: none"> - Students attending this course should be familiar with CATIA V6 Mechanical Design Fundamentals and CATIA Icem Shape Design Fundamentals. - CATIA V6 Mechanical Surface Design Essentials is also recommended.
Available Online	Yes

CATIA V6 Icem Shape Design Fundamentals (ISH)	
Course Code	CAT-en-ISH-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	40 hours
Course Material	English
Level	Fundamental
Audience	High quality surface designers
Description	This course will teach you how to use the ISD workbench to create good quality curves and Class A surfaces. You will learn how to analyze the wireframe and surface quality and interpret the results in order to correct visual defects.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create robust class A surface models - Create good quality curves - Assemble, relimit and connect the surfaces smoothly to meet connectivity constraints - Analyze surface quality - Correct surface defects - Manage surface models
Prerequisites	<ul style="list-style-type: none"> - CATIA V6 Mechanical Design Fundamentals - Some knowledge of Mechanical Surface Design is advisable
Available Online	Yes

CATIA V6 Mechanical Surface Design Essentials (SUR)

Course Code	CAT-en-SUR-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	40 hours
Course Materials	English , French , German , Japanese
Level	Fundamental
Audience	Surface Designers and CATIA V5 Designers
Description	This course will teach you how to use the FreeStyle and Generative Shape Design workbenches to create quality curves and surfaces. You will learn how to analyze the wireframe and surface quality, and rectify the detected defects. You will also learn how to work in a multi-model environment with published surfaces.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Understand and use the FreeStyle and the Generative Shape Design workbenches - Create good quality curves and improve the imported wireframe - Create good quality surfaces based on sound wireframe geometry - Assemble, re-limit and connect the surfaces smoothly to get the topology - Analyze the surface quality and heal the defects - Manage surfaces in a multi-model environment
Prerequisites	Students attending this course should be familiar with the CATIA V6 Fundamentals or Part/Assembly Design and Drafting.
Available Online	Yes

CATIA

CATIA Systems / Geensoft V6

CATIA Systems Architecture Design Essentials (SAR)	
Course Code	CAT-en-SAR-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	12 hours
Course Material	English
Level	Fundamental
Audience	Systems Architects, Systems Engineers, Mechanical Designers
Description	This course will teach you the basic concept of the RFLP system design approach. You will learn the creation of a Requirement, Functional, Logical Design, and Physical model. You will also learn about the Implement Relations.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Capture the requirements from an MS Word document - Define and formalize data using the RFLP Editor workbench - Create Implement Relations among Requirement, Functional, Logical and Physical entities - Use Search and Navigation tools for RFLP - Generate traceability reports
Prerequisites	<ul style="list-style-type: none"> - Students attending this course should have attended: - Introduction to Systems Engineering - ENOVIA Requirements Central Essentials
Available Online	Yes

CATIA Systems Dynamic Behavior Modeling Essentials (DBM)

Course Code	CAT-en-DBM-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	20 hours
Course Material	English
Level	Fundamental
Audience	Systems Architects, Systems Engineers and Mechanical Designers
Description	This course will teach you how to model and simulate the dynamic behavior of a multi-engineering system. You will learn how to search, open, and manage the Dynamic Behavior Modeling (DBM) libraries. You will also learn how to manage the link between a logical component and a DBM model, how to add a 3D Representation to the DBM model, and how to simulate the Logic Control Modeling (LCM) and DBM models together.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Search and open the Dynamic Behavior Library - Use the DBM workbench to edit and replay an existing model - Create a new DBM model - Create drawings and layers for representation - Attach the DBM model to a logical component - Simulate the DBM model
Prerequisites	Students attending this course should be familiar with the CATIA Systems Architecture Design (SAR) product and the Modelica language.

CATIA Systems Dynamic Behavior Modeling
Essentials (DBM)

Available Online

Yes

CATIA Systems Logical 3D Architecture Essentials (TDS)

Course Code	CAT-en-TDS-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	12 hours
Course Material	English
Level	Fundamental
Audience	Systems Architects, Systems Engineers, and Mechanical Designers
Description	This course will teach you how to create the 3D Geometry for the system, to manage the 3D Representation by creating and editing the pathway, associating a logical connection to the pathway, managing the zone and the equipment center. This course will also teach you how to use the knowledge check rules.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Add a 3D representation to a logical component - Add a 3D representation to a logical connection - Add a Zone representation - Manage the 2D / 3D representations - Use the knowledge rules to check the clashes, if any, between two 3D components
Prerequisites	<ul style="list-style-type: none"> - Students attending this course should be familiar with: - CATIA Systems Architecture Design Essentials - CATIA Live Shape Essentials - CATIA V6 Mechanical Design Fundamentals - CATIA V6 Mechanical Surface Design Essentials

CATIA Systems Logical 3D Architecture Essentials (TDS)

Available Online

Yes

CATIA Systems Logical Electrical and Fluidic Design (ELS)

Course Code	CAT-en-ELS-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Electrical Systems Designers and Piping Systems Designers
Description	This course will teach you how to build Electrical Logical Systems and Fluidic Logical Systems. You will learn how to create the different logical components of a system and connect them. You will also learn how to import and export the logical systems.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Define electrical logical components - Use the Spreadsheet Editor to create logical components - Use the Live Symbol Editor to create a schematic layout - Manage Connector Ports and Pins - Define Nets and create Net Groups - Manage Electrical Nets and Net Groups - Create and manage Wires and Cables - Associate Nets and Net Groups with Wires and Cables - Define a Harness and manage its Content Links - Import and export Electrical Logical Systems - Create a Fluidic Logical System and its components
Prerequisites	Students attending this course should have attended the CATIA Mechanical Design Fundamentals and the

CATIA Systems Logical Electrical and Fluidic Design (ELS)

Introduction to Systems Engineering courses. They should also be familiar with electrical systems and piping systems design domains.

Available Online

Yes

Introduction to Systems Engineering (RFLP)	
Course Code	CAT-en-RFLP-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	2 hours
Course Material	English
Level	Fundamental
Audience	Systems Architects, Systems Engineers, Mechanical Designers, Sales Engineers, Managers
Description	This course will introduce you to the System Engineering and RFLP methodology. It will explain the significance of Requirement, Function, Logical Design, and Physical model in the RFLP methodology.
Objectives	<p>Upon completion of this course you will learn to:</p> <ul style="list-style-type: none"> - Use the Systems Engineering approach to manage the concurrent multi-disciplinary engineering processes - Apply the Requirement, Function and Logical approach to optimize the design process
Prerequisites	Students taking this course should be familiar with Systems Engineering.
Available Online	Yes

Companion V6 Companion Development Studio

V6 Companion Development Studio Essentials (V6CDS)

Course Code	WLS-en-V6CDS-F-V6R131
Available Releases	V6R2012x , V6R2013x
Duration	12 hours
Course Material	English
Level	Fundamental
Audience	Course Developers
Description	<p>This course will introduce you to the V6 Companion Studio and the various new features that it offers. You will learn how to develop and publish courses using V6 Companion Development Studio and the basics of Companion Learning Space. This is a process based course which highlights the features of Studio while following the ideal process for developing a course. This course also explains the underlying Companion concepts at each stage and relevant tips, notes, and recommendations are included throughout.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create projects and components - Create learning objects (Lessons, Skillets, and Job Aids) - Create a course structure - Use the Rapid Skillet Wizard to create a skillet - Create an assessment - Publish and view the output
Prerequisites	None
Available Online	Yes

DELMIA
DELMIA Manufacturing Planning
V6

DELMIA Assembly Process Simulation Essentials (APS)

Course Code	DEL-en-APS-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Simulation Engineers, Industrial Engineers and Mechanical Engineers
Description	This course will teach you how to create process simulations to perform assembly feasibility studies. You will learn how to use the various capabilities of DELMIA Assembly Process Simulation to identify potential assembly issues and communicate them directly to the product designers in the early product development stages. You will also learn how to enhance the simulations to optimize the assembly processes.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Determine the assembly feasibility of manufactured parts - Define, simulate and review the entire process to identify potential design issues - Create product assembly simulation to analyze the impact on the shop floor - Perform the assembly sequence analysis - Save time by analyzing multiple assembly scenarios to determine the most optimal process

DELMIA Assembly Process Simulation Essentials (APS)

Prerequisites

Students attending this course should be familiar with Mechanical Engineering concepts and DELMIA V6 fundamentals.

Available Online

Yes

DELMIA Custom Time Analysis Essentials (CTA)

Course Code	DEL-en-CTA-F-V6R131
Available Releases	V6R2013 , V6R2013x
Duration	6 hours
Course Material	English
Level	Fundamental
Audience	Process Planners, System Planners and Resource Planners
Description	This course will teach you how to use DELMIA Custom Time Analysis (CTA) to perform time studies in an efficient and accurate manner. You will learn how to analyze any type of manual work using various measurement techniques. You will also learn how to increase productivity, improve methods, plan efficiently, establish workloads, and maximize the use of resources. In the end, you will learn how to create customized data cards.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Calculate the time required to perform an operation or a set of operations - Determine the workload of an operation - Streamline the operations by identifying and eliminating inefficient methods - Create customized data cards that include company-specific time analysis data
Prerequisites	Students attending this course should have completed the V6 DELMIA Process Planning Essentials course.
Available Online	Yes

DELMIA Fastener Process Planning Essentials (BPP)

Course Code	DEL-en-BPP-F-V6R130
Available Release	V6R2013
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Process Planners, System Planners, and Resource Planners
Description	This course will teach you how to create, optimize, and validate process plans that relate to fasteners. You will learn to identify unassigned fasteners using an assignment assistant. You will also learn to freeze and release the fastener's position at a specific Assembly process. Additionally, you will learn to create punctual operations and manage their product flow in the system.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create the process plan - Assign parts and fasteners to a process - Create the fastener process - Freeze and release the fastener process position - Create and manage punctual operations - Automatically select weld guns - Validate accessibility for selected weld guns
Prerequisites	Students attending this course should have attended the V6 DELMIA Process Planning Essentials Course.
Available Online	Yes

DELMIA Live Assembly Essentials (LAS)	
Course Code	DEL-en-LAS-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	Assembly Planners, Design Engineers and Process Planners
Description	This course will teach you how to organize the assembly process structure and define the status of the assemblies and parts to prepare them for manufacturing production. You will also learn how to use the sequencing and simulation features to modify the process in response to a clash detection.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Validate the assembly feasibility of product designs through simulation - Manipulate the assembly parts to define the assembly trajectories - Simulate the operations - Report the design change impacts - Perform co-reviews of the manufacturing assembly structure
Prerequisites	Students attending this course should be familiar with Assembly Planning and DELMIA V6 fundamentals.
Available Online	Yes

DELMIA Manufactured Product Planning Essentials (MPP)	
Course Code	DEL-en-MPP-F-V6R130
Available Releases	V6R2012 , V6R2013
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Manufacturing Planners
Description	This course will teach you about the various aspects of Manufacturing Planning. Initially, you will learn to generate the MBOM for a product assembly. Then, you will learn to create a new manufacturing assembly and a manufacturing kit. Following this, you will apply the Make/Buy changes and the Effectivity. Finally, you will learn how to track the changes done on the manufacturing items.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Generate the Manufacturing Bill Of Materials - Generate Manufacturing assemblies and kits - Create Manufacturing Specific Parts - Assign Manufacturing Responsibilities and Effectivity - Manage quantities of manufactured parts - Understand the basics of Change Tracking
Prerequisites	Students attending this course should be familiar with DELMIA V6 and Manufacturing Planning
Available Online	Yes

DELMIA Process and Resource Editor Essentials (PRE)

Course Code	DEL-en-PRE-F-V6R120
Available Release	V6R2012
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Manufacturing Engineers, Quality Engineers, Industrial Engineers, Project Managers
Description	This course teaches you how to create and use the basic elements of the PPR Context - Product, Process, System, and Resource. Initially, you will set up the environment to work in Product Resource Editor Workbench. Then, you will create the PPR root structures, that is, a Functional Process, Manufacturing System, and a Physical Resource. Later, you will define scope between each of these root structures. Finally, you will review the Context Dataset.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Author the Process Product Resources (PPR) root structure and high-level relationships - Build the Process Product Resources (PPR) context
Prerequisites	Students attending this course must have attended the DELMIA Process Planning Essentials course
Available Online	Yes

DELMIA Process Planning Essentials (PRP)	
Course Code	DEL-en-PRP-F-V6R131
Available Releases	V6R2012x , V6R2013 , V6R2013x
Duration	32 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Designers, Industrial Engineers, Simulation Engineers, Process Planners
Description	<p>This course will teach you how to create processes, templates, and catalogs. This course deals with defining processes, detailing process flow and managing Product to Process assignments. It also teaches you to create a virtual manufacturing environment for significant cost savings. This course will also teach you how to create a layout design for a manufacturing plant and how to use the resources. You will also learn how to balance resources as per operations.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Streamline the work preparation through a process plan - Define and verify the assembly - Assign a product and resource specifications to the processes - Create a virtual process path - Validate the simulation - Add the resources and position them - Balance the resources for their effective utilization - Create, edit, attach, and delete time analysis

DELMIA Process Planning Essentials (PRP)

Prerequisites

Students attending this course should be familiar with V6 Fundamentals, Mechanical Design, and the Windows Operating System.

Available Online

Yes

DELMIA Process Planning Essentials (PPG)	
Course Code	DEL-en-PPG-F-V6R120
Available Release	V6R2012
Duration	16 hours
Course Materials	English , Japanese
Level	Fundamental
Audience	Mechanical Designers, Engineers, Process Planners
Description	This course will teach you how to create processes, templates, and catalogs. This course deals with defining processes, detailing process flow and managing Product to Process assignments. It also teaches you to create a virtual manufacturing environment for significant cost savings.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Streamline the work preparation through a process plan - Define and verify the assembly - Assign product and resource specifications to processes - Create a virtual process path - Validate the simulation
Prerequisites	Students attending this course should be familiar with Mechanical Design and the Windows Operating System.
Available Online	Yes

DELMIA
DELMIA Plant and Resources
Engineering V6

DELMIA Mechanical Device Builder Essentials (MDB)	
Course Code	DEL-en-MDB-F-V6R120
Available Release	V6R2012
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Design Engineers, Tool Designers
Description	<p>DELMIA Mechanical Device Builder course will teach you how to create a solid foundation to build a device. Initially, you will learn to create the Engineering Connections for an assembly that correspond to the Fixed, Revolute, Prismatic, and Rigid joints between the parts of an assembly. Then, you will define the attributes like Home Positions, Travel Limits, Speed Limits, and Mechanical Port that enable the device to perform a task. Later, you will assign the Inverse Kinematics to the device.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create Engineering Connections for an assembly - Create different Profiles for a device - Define the Device Attributes for a device - Assign the Inverse Kinematics for a device
Prerequisites	<p>Students attending this course should know the basics of DELMIA V6, and be familiar with Device Kinematics, and Robotics concepts.</p>
Available Online	Yes

DELMIA NC Machine Builder Essentials (NMB)	
Course Code	DEL-en-NMB-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013x
Duration	14 hours
Course Material	English
Level	Fundamental
Audience	Design Engineers and Machine Tool Builders
Description	This course will teach you how to build the kinematics for the assemblies of an NC machine and how to create the corresponding NC resources. You will learn how to create machines using the assemblies with kinematics. You will also learn how to assign various attributes to an NC machine.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Build the kinematics for a machine assembly - Create the machine resources - Define the attributes for the machine resources
Prerequisites	Students attending this course should be familiar with the concepts of machine kinematics
Available Online	Yes

DELMIA
DELMIA Program and Control
Engineering V6

DELMIA Ergonomics Evaluation Essentials (EGE)	
Course Code	DEL-en-EGE-F-V6R130
Available Release	V6R2013
Duration	12 hours
Course Material	English
Level	Fundamental
Audience	Ergonomics Engineers and Process Planners
Description	This course will teach you how to create manikins of either gender from any population, with specific stature and weight, in an immersive 3D environment. You will also learn how to customize the attributes of the manikins and use the manikin vision assessment capability.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create and insert a manikin - Customize the manikin - Use the posturing tools to position the manikin - Analyze the manikin
Prerequisites	Students attending this course should have knowledge of Windows operating system, mechanical engineering, and ergonomics.
Available Online	Yes

DELMIA Extended Milling Machining Essentials (EMM)

Course Code	DEL-en-EMM-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Advanced Numerical Control (NC) Programmers
Description	This course teaches you how to generate high quality NC programs for machining complex 3D parts and free-form shapes using advanced machining techniques. You will learn how to perform 2.5 to 5-Axis machining operations.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Define Multi-Axis Finishing Operations - Define Multi-Axis Contouring Operations - Define Multi-Pockets Operations in Power Machining and Flank Contouring - Define Multi-Axis Helix Machining Operation
Prerequisites	Students attending this course should have attended DELMIA Prismatic Machining Fundamentals and DELMIA Milling Machining Essentials courses.
Available Online	Yes

DELMIA Milling Machining Essentials (MIM)	
Course Code	DEL-en-MIM-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Manufacturing Users (NC Programmers)
Description	This course will teach you how to define and manage NC programs dedicated to machining parts that are designed with Surface or Solid geometry. You will learn how to define 3-Axis Roughing, Semi-finishing, and Finishing operations. The course will also help you to improve productivity in mould and die machining using various functionalities of 3-Axis Surface Machining.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create Machining Features that can be used for defining Machining operations - Define 3-Axis Surface Machining operations - Define a Rework Area - Analyze and modify the Tool Path
Prerequisites	Students attending this course should have taken the DELMIA Prismatic Machining Fundamentals course
Available Online	Yes

DELMIA NC Machine Simulation Essentials (NMS)	
Course Code	DEL-en-NMS-F-V6R131
Available Releases	V6R2013 , V6R2013x
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	NC Programmers
Description	This course will teach you how to simulate an NC machine using toolpath and NC code. You will learn how to create Probes in the Live Simulation Environment and use them to detect the Clashes that occur during a machine simulation. You will also learn how to perform a fault analysis to detect, analyze and eliminate the Clashes.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create a Live Simulation Environment - Simulate the machine using toolpath and NC code - Create Probes to detect Clashes during the machine simulation - Analyze and eliminate the Clashes
Prerequisites	Students attending this course should have completed the DELMIA Prismatic Machining Fundamentals course.
Available Online	Yes

DELMIA Prismatic Machining Advanced (MTM)	
Course Code	DEL-en-MTM-A-V6R131
Available Release	V6R2013x
Duration	20 hours
Course Material	English
Level	Advanced
Audience	Manufacturing Users (NC Programmers)
Description	This course will teach you how to manage the NC resources and associate a user representation to a tool. It will also teach you to copy and transform the machining operations to machine similar profiles in a part. You will learn about the automation processes and how to optimize a program using the Auto Sequencing functionality. You will also learn how to save a video simulation result into a 3D Part.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create a tools catalog to manage the tools and tool assemblies - Associate a user representation to a tool assembly - Create and instantiate a Machining Process catalog - Create a Machining Template for Resources and Programming - Optimize a program using the Auto Sequencing functionality - Copy and transform the machining operations to machine similar profiles in a part - Customize a PP Word Table - Save the video simulation result into a 3D Part
Prerequisites	Students attending this course should have attended the DELMIA Prismatic Machining Fundamentals course.

DELMIA Prismatic Machining Advanced (MTM)

Available Online

Yes

DELMIA Prismatic Machining Fundamentals (MTM)

Course Code	DEL-en-MTM-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	28 hours
Course Material	English
Level	Fundamental
Audience	Manufacturing Users (NC Programmers)
Description	<p>This course will teach you how to use various common functionalities across all the Machining workbenches in DELMIA. The course will teach you the fundamentals of creating and simulating a tool path. It also teaches you how to create tool paths for 2 and 2.5 axis machining operations. It will teach you to create probes in the Live Simulation Environment. Then, it will teach you to simulate machines using material removal, and detect and analyze the clashes that occur during simulation.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Explore the Machine Programming workbench and various Machining functionalities - Define the Machining Infrastructure - Create Tools and Tool Assemblies - Define Prismatic Machining Operations - Replay and Simulate the tool path - Simulate the machine in the Live Simulation Environment - Generate Numerical Control (NC) Output
Prerequisites	Students attending this course should know the fundamentals of Machining

DELMIA Prismatic Machining Fundamentals (MTM)

Available Online

Yes

DELMIA Robotics Arc Welding Essentials (ARW)	
Course Code	DEL-en-ARW-F-V6R121
Available Release	V6R2012x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Robotics Engineers, Simulation Engineers
Description	DELMIA Robotics Arc Welding course will teach you how to create robotics arc welding trajectories, tasks, and programs in the offline digital environment. You will learn how to create applicative profiles. You will also learn to create seam search trajectory. Finally, you will learn to download a robot program from a V6 robot task.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create an Applicative Profile - Define Parameter for the Arc Welding Profile - Create the Seam Search Trajectory - Create an Arc Welding Task - Create the Position Programming - Upload and Download Robot Programs
Prerequisites	Students attending this course should be familiar with the Robot Task Definition workbench.
Available Online	Yes

DELMIA Robotics Offline Programming Essentials (ROP)

Course Code	DEL-en-ROP-F-V6R131
Available Release	V6R2013x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Robotics Engineers, Offline Programmers
Description	This course will teach you how to import a robot program and modify it using the Native Robot Language (NRL). You will learn how to use the NRL to teach a robot. You will also learn how to calibrate the different workcell components and the robot signature to compensate for signature inaccuracies.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Upload and download robot programs - Teach the robot using the Native Robot Language - Import and export the tag group data - Calibrate the workcell components - Calibrate the robot signature
Prerequisites	Students attending this course should be familiar with the Robot Task Definition workbench and V6 fundamentals.
Available Online	Yes

DELMIA Robotics Spot Welding Essentials (RSW)	
Course Code	DEL-en-RSW-F-V6R131
Available Releases	V6R2012x , V6R2013x
Duration	12 hours
Course Material	English
Level	Fundamental
Audience	Robotics Engineers and Simulation Engineers
Description	This course will teach you how to create robotics spot welding trajectories, tasks and programs in an offline digital environment. You will learn how to define the spot welding motion parameters using a spot weld profile and how to pick the correct weld gun. You will also learn how to teach the robot to perform a spot welding task and how to download a robot program from a V6 robot task.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Analyze the spot welding feasibility for spot welding robots and guns - Generate the manufacturing specifications keeping the design and the resources in view - Generate a spot welding task from the manufacturing specifications - Teach the robot to perform the spot welding task - Download the robot program
Prerequisites	Students attending this course should be familiar with Robot Task Definition, Device Building and DELMIA V6 fundamentals.
Available Online	Yes

DELMIA Robot Task Definition Essentials (RTD)	
Course Code	DEL-en-RTD-F-V6R131
Available Releases	V6R2012x , V6R2013x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Robotics Engineers and Simulation Engineers
Description	This course will teach you how to create, program, simulate and validate an entire Robot workcell for any manufacturing industry. You will learn how to create a robot task and how to teach the Robot to perform the task. You will also learn how to create an Input/Output (IO) connection and validate it against the available organizational resources. Finally, you will learn how to download a robot program from a V6 robot task.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Define a composite simulation state - Create and manipulate a tag - Generate a robot task - Teach the robot how to perform a task - Create and validate an Input/Output (IO) connection - Validate a workcell simulation - Upload and download a robot program
Prerequisites	Students attending this course should be familiar with Mechanical Design concepts and V6 fundamentals.
Available Online	Yes

DELMIA Turning Machining Essentials (TUM)	
Course Code	DEL-en-TUM-F-V6R131
Available Releases	V6R2013 , V6R2013x
Duration	20 hours
Course Material	English
Level	Fundamental
Audience	NC Programmers
Description	<p>This course will teach you how to define various turning operations to machine cylindrical parts. You will learn how to define multi-spindle and multi-turret machines, and use multiple turrets simultaneously to machine a part. You will also learn how to perform the part transfer activity using the multi-spindle machine to complete the machining on both sides of a part without any manual intervention. This course will also teach you how to create milling operations using the mill-turn machine.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Define the machining infrastructure - Create lathe tools and assemblies - Define the turning operations - Define multiple spindles and turrets for a multi-slide machine - Define the milling operations using the multi-slide machine - Define multi-setups and multi-part machining - Replay and simulate the tool paths - Generate the Numerical Control (NC) output
Prerequisites	<p>Students attending this course should have completed the DELMIA Prismatic Machining Fundamentals course</p>

DELMIA Turning Machining Essentials (TUM)

Available Online

Yes

DELMIA V5 to V6 Machining Transition (MTMT)	
Course Code	DEL-en-MTMT-F-V6R131
Available Release	V6R2013x
Duration	12 hours
Course Material	English
Level	Fundamental
Audience	NC Programmers
Description	<p>This course will teach you what are the differences between the Machining PPR Structure of CATIA V5 and DELMIA V6, and how to migrate the CATIA V5 Machining data to DELMIA V6. You will learn how to connect to a DELMIA V6 database and search for a PPRContext. You will also learn how to create a PPRContext, assign an NC Machine, insert and mount an NC Machine accessory, and then mount the workpiece. This course will also teach you how to define a tool assembly and its advanced parameters. You will learn how to define a Prismatic Machining Operation, replay the toolpath, and generate the NC Output.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Use the DELMIA V6 Machining product to define a Machining Process - Create Tools, Holders, and Tool Assemblies - Define a Machining Operation - Generate a Numerical Control (NC) Output - Store and retrieve a Machining Process from the V6 database - Migrate CATIA V5 Machining objects to DELMIA V6
Prerequisites	Students attending this course must be experienced users of the CATIA V5 Machining product

DELMIA V5 to V6 Machining Transition (MTMT)

Available Online

Yes

DELMIA Work Instructions Planning Essentials (WKI)	
Course Code	DEL-en-WKI-F-V6R121
Available Releases	V6R2012 , V6R2012x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Simulation Engineers, Process Planners, Manufacturing Engineers
Description	This course teaches you how to create work instructions that can be added to operations defined in the Assembly Experience or Manufacturing Systems Definition workbench. You will also learn to create work instruction catalogs.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Validate the product buildup - Create Work Instructions to operations - Modify Work Instructions - Preview defined Work Instructions
Prerequisites	Students attending this course should be familiar with DELMIA Process Planning, and DELMIA Live Assembly
Available Online	Yes

ENOVIA

ENOVIA Global Sourcing V6

ENOVIA Sourcing Central Essentials (SRC)	
Course Code	ENOV-en-SRC-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	<ul style="list-style-type: none"> - Supplier Engineers who are responsible for procuring manufactured and raw material goods from suppliers - Supplier representatives associated with a buying organization either as partners or vendors - Buyer Administrator who will be responsible for maintaining the ENOVIA Sourcing Central application
Description	This course will teach you how to use the ENOVIA business process applications developed for managing the sourcing and procurement processes. You will also learn to create and manage buyer desks, RFQs etc.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Add suppliers and their representatives - Create and manage Buyer Desks and Request For Quotes - Add line items to RFQs and submit the RFQs - Review the quotations and award the bid
Prerequisites	There are no prerequisites for this course.
Available Online	Yes

ENOVIA Supplier Central Essentials (SUP)	
Course Code	ENOV-en-SUP-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	<ul style="list-style-type: none"> - Quality Engineers who manage the Part Quality Plan and Supplier Development Plans - Supplier Representatives associated with the buying organization either as partners or vendors - Buyer Administrators and System Administrators who maintain the application
Description	This course will teach you how to use the ENOVIA business application developed for managing your suppliers of parts. You will also learn how Purchasing and Engineering department personnel procure manufactured and raw material goods from suppliers.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Manage company supply processes - Manage and maintain the supplier profile - Create and manage buyer desks - Create and maintain Part Quality Plans and Templates
Prerequisites	There are no prerequisites for this course.
Available Online	Yes

ENOVIA

ENOVIA Governance V6

ENOVIA 3DLive Essentials (LIV)	
Course Code	ENOV-en-LIV-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	4 hours
Course Materials	Chinese , English , French , German , Japanese
Level	Fundamental
Audience	<ul style="list-style-type: none"> - Product Designers and Engineers who need to explain their design intent to other enterprise users. - Managers, Executives, Reviewers, Sales & Support Staff who want to look up 3D data and its related PLM information, and base their discussions on it. - Documentation, Production, Program Management, Sourcing, Design, Quality and other such departments where inspecting and annotating a 3D model is a frequent or occasional requirement.
Description	<p>This is a process-based course that uses an industrial case study to teach you how to use ENOVIA 3DLive to search,navigate, examine, and share information in the collaborative 3D environment. Through short videos you will learn how to search and visualize the results, explore and review 3D data, filter the data, create customized views and save them as Favorites, perform co-reviews with colleagues, perform basic lifecycle operations, and export data as shareable 3D XML files. At the end of each lesson there will be a summary of the topics covered, descriptions of all the tools used, and a short assessment to test what you have learned.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Open and view a local 3D XML file in 3DLive session. - Connect to your company's database.

ENOVIA 3DLive Essentials (LIV)

- Search and view the 3D data and its related PLM information.
- Filter the data based on configurations, attributes, and 3D selections.
- Create and manage the preferred searches and data views in the Favorites.
- Use the review tools to create sections, measures and annotations.
- Collaborate with your colleagues, annotate and share the product views with them.
- Perform lifecycle operations on the data.
- Export the data as 3D XML files and embed them in the Microsoft Office documents.

Prerequisites

Students attending this course should be well-versed in the Microsoft Windows operating environment.

Available Online

Yes

ENOVIA Material Compliance Central Essentials (MCC)

Course Code	ENOV-en-MCC-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Compliance Engineers, Senior Compliance Engineers and Supplier Representatives.
Description	In this course, you will learn how to create and manage materials, substances and material declarations required to design assembly components. You will also learn how to perform various tasks based on the standard business process of Material Compliance Central, that is, collect the regulatory requirements, integrate them through a supplier chain, analyze the compliance, generate the final reports and publish them.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Design for environmental compliance - Perform compliance analyses - Collaborate with suppliers - Create Material Declarations - Create compliance reports
Prerequisites	There are no prerequisites for this course.
Available Online	Yes

ENOVIA Program Central Advanced (PRG)	
Course Code	ENOV-en-PRG-A-V6R131
Available Releases	V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Material	English
Level	Advanced
Audience	Project Managers, Project Members, and Reviewers
Description	This course focuses on the advanced functionalities of ENOVIA Program Central. You will learn how to manage risks associated with a project; assign people to meet the project's resource requirements; and track quality metrics. You will also learn how to create projects' budgets and benefits; work with time sheets; and finally generate labor reports. Additionally, you will learn how to assess a project and view its dashboard metrics.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Document the various risk areas of a project and track them - Create and manage the resource requirements for a project - Create the budget and benefits to monitor the financials of a project - Work with time sheets and generate labor reports - Identify the quality factors of a project and monitor them - Create an assessment to indicate the project's health - Use dashboards to monitor the status of your projects

ENOVIA Program Central Advanced (PRG)

Prerequisites

Students attending this course should have attended the ENOVIA Program Central Fundamentals course.

Available Online

Yes

ENOVIA Program Central Fundamentals (PRG)

Course Code	ENOV-en-PRG-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Materials	English , Japanese
Level	Fundamental
Audience	Project Managers, Project Members, and Reviewers.
Description	<p>This is a process-based course that uses an industrial scenario to teach you how to use ENOVIA Program Central. You will learn how to create and manage projects, assign project members and create tasks, create folder structures and define access rights for managing the documents related to the projects. You will also learn how to create the process flows for review and approval of tasks, and how to monitor the status of different projects. Additionally, you will learn how to use the Microsoft Project Integration functionality to exchange and view a project's data in Microsoft Project.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create programs and projects - Search for an existing project and explore it - Assign members to a project - Add tasks and assign project members to perform the tasks - Create folders for managing the project documents - Create process flows - Manage information related to meetings and decisions - Monitor the status of programs and projects - Use Microsoft Project Integration to exchange and view a project's data

ENOVIA Program Central Fundamentals (PRG)

Prerequisites

There are no prerequisites for this course.

Available Online

Yes

ENOVIA Program Experience (PGE)	
Course Code	ENOV-en-PGE-F-V6R131
Available Release	V6R2013x
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	Internal and External Project Users
Description	This course will teach you how to use Program Central Experience to manage various activities on the user assigned WBS task such as assign it to a different project user, modify the task, generate a risk, and create timesheets for them.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - View Programs and Projects - View the tasks assigned to you - Add and assign a sub-task to the parent task - Add deliverables to the task - Create risk for a task - Work with timesheets
Prerequisites	There are no prerequisites for this course
Available Online	Yes

ENOVIA Requirements Central Essentials (RMT)

Course Code	ENOV-en-RMT-F-V6R131
Available Releases	V6R2012 , V6R2013x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	System Engineers, People defining Product Requirements, Product Managers, Product Developers, Product Testers
Description	This is a process-based course, which uses an industrial scenario to teach you how to use ENOVIA Requirement Central for capturing, creating, and managing Requirements. You will learn how to derive and decompose Requirements, create Requirement Specifications, associate Requirements with Models and Products, validate the allocation status, and track Requirements using various Traceability Reports. You will also learn how to utilize RFLP for integrating Requirements and Specifications in ENOVIA V6 with CATIA V6.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Capture Requirements from MS Word and MS Excel Documents - Create Requirements and Requirement Specifications - Edit the Structure and Content Editor - Allocate Requirements to Products and Models - Work with RFLP - Create Test Cases and Use Cases - Create Revision and multiple Versions of Requirements - Generate Traceability Reports

ENOVIA Requirements Central Essentials (RMT)

Prerequisites

There are no prerequisites for this course.

Available Online

Yes

ENOVIA Variant Configuration Central Essentials (FTR)

Course Code	ENOV-en-FTR-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Product Managers, System Engineers, Design Engineers, Issue Managers and Marketing Managers
Description	This course will teach you how to use ENOVIA Variant Configuration Central for creating and managing product configurations. You will learn how to create product portfolios and manage the product variability using various configuration features and rules. You will also learn how to generate a Bill of Materials and associate its parts with the features of a product.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Explain the concepts and terms of ENOVIA Variant Configuration Central - Define product portfolios based on product roadmaps - Create and manage product configurations, product variants and design variants - Use Engineering Changes (ECs) to track and resolve issues
Prerequisites	Students attending this course should have completed the ENOVIA V6 Getting Started course.
Available Online	Yes

ENOVIA

ENOVIA Installation & Administration V6

ENOVIA V6 Administration: 3D Index Server Configuration (ISC)

Course Code	ENOV-en-ISC-F-V6R130
Available Releases	V6R2012 , V6R2012x , V6R2013
Duration	3 hours
Course Material	English
Level	Fundamental
Audience	ENOVIA V6 Administrators
Description	In this course, attendees will learn how to install and configure a 3D Index Server and also understand the various configurations related to it.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Install and configure a 3D Index Server - Describe the difference between a runtime and a buildtime environment - Understand Koala and the various configurations - Create a simple, open Security Index - Describe the Navigation Modes and the impacts on 3D Thumbnails
Prerequisites	Students attending this course should have attended the ENOVIA V6 Installation courses.
Available Online	Yes

ENOVIA V6 Administration: Backup and Restore (DBR)

Course Code	ENOV-en-DBR-F-V6R130
Available Releases	V6R2012 , V6R2012x , V6R2013
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	Database Administrators, System Administrators
Description	In this course, the attendees will discover all the backup procedures for ENOVIA V6 and how to restore all the data in case of failure.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Identify the backup needs in an ENOVIA V6 environment - Describe the backup procedures for ENOVIA V6 - Backup the ENOVIA V6 environment - Restore the ENOVIA V6 environment in case of a failure - Identify the data inconsistencies and recover the missing data
Prerequisites	Students attending this course should be familiar with the ENOVIA V6 architecture.
Available Online	Yes

<h2>ENOVIA V6 Administration: DSLS Infrastructure (DSLS)</h2>	
Course Code	ENOV-en-DSLS-F-V6R130
Available Releases	V6R2012 , V6R2012x , V6R2013
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	ENOVIA V6 Administrators, System Administrators
Description	In this course, the attendees will learn how to administer a Dassault Systemes Licence Server and also how to assign Licenses using the P&O administration tool.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Implement a Dassault Systemes Licence Server (DSLS) for a single and a multi-site environment - Administer a DSLS and assign licenses using the P&O administration tool - Create a cluster of license servers - Describe the V6 licensing concept
Prerequisites	Students attending this course should be familiar with the ENOVIA V6 architecture
Available Online	Yes

ENOVIA V6 Architecture Essentials (V6AC)	
Course Code	ENOV-en-V6AC-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	4 hours
Course Materials	English , Japanese
Level	Fundamental
Audience	System Administrators, Application Architects
Description	This course will teach you the physical and logical architecture of ENOVIA V6. You will learn about the various IT components in a V6 environment and their relationships. You will also learn the underlying principles for a successful ENOVIA V6 installation.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Explain the architecture of ENOVIA V6 - Draw the relationship diagram between various IT components of the ENOVIA V6 environment - Create the logical architecture of an ENOVIA V6 deployment - Plan the security and network infrastructure for ENOVIA V6
Prerequisites	None
Available Online	Yes

ENOVIA V6 Installation for DB2 and Tomcat Environment (IDT)

Course Code	ENOV-en-IDT-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	ENOVIA Administrators, Database Administrators
Description	This course will teach you the basics of the installation and administration of ENOVIA V6. More specifically you will learn about the architecture and underlying principles of an ENOVIA V6 installation, its prerequisites and how to install them. You will then learn how to install the complete ENOVIA V6 environment for a single site deployment using an DB2 and Tomcat environment.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create the logical architecture for the ENOVIA V6 deployment. - Identify the installation prerequisites. - Setup the prerequisites and the DB2 database. - Install the ENOVIA V6 environment with the collaboration server. - Configure the Dassault Systemes licensing server. - Perform basic administration tasks such as creating users, assigning the licenses.
Prerequisites	<ul style="list-style-type: none"> - Students attending this course should have attended the ENOVIA V6 Architecture Essentials course.

ENOVIA V6 Installation for DB2 and Tomcat Environment (IDT)

- They should know DB2 database basics, and Application Server concepts and deployment.

Available Online

Yes

ENOVIA V6 Installation for DB2 and WebSphere Environment (IDW)

Course Code	ENOV-en-IDW-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	ENOVIA Administrators, Database Administrators
Description	This course will teach you the basics of the installation and administration of ENOVIA V6. More specifically you will learn about the architecture and underlying principles of an ENOVIA V6 installation, its prerequisites and how to install them. You will then learn how to install the complete ENOVIA V6 environment for a single site deployment using an DB2 and WebSphere environment.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create the logical architecture of the ENOVIA V6 deployment. - Identify the installation prerequisites. - Setup the prerequisites and DB2 database. - Install the ENOVIA V6 environment with the collaboration server. - Configure the Dassault Systemes licensing server. - Perform basic administration tasks such as creating users, assigning the licenses.
Prerequisites	<ul style="list-style-type: none"> - Students attending this course should have attended the ENOVIA V6 Architecture Essentials course.

ENOVIA V6 Installation for DB2 and WebSphere Environment (IDW)

- They should know DB2 database basics, and Application Server concepts and deployment.

Available Online

Yes

ENOVIA V6 Installation for Oracle and Tomcat Environment (IOT)

Course Code	ENOV-en-IOT-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	ENOVIA Administrators and Database Administrators
Description	This course will teach you the basics of installation and administration of ENOVIA V6. You will learn about the architecture and underlying principles of an ENOVIA V6 installation, its prerequisites and how to install them. You will also learn how to install the complete ENOVIA V6 environment for a single site deployment using an Oracle and Tomcat environment.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create the logical architecture of the ENOVIA V6 deployment - Identify the installation prerequisites - Set up the prerequisites and the Oracle database - Install the ENOVIA V6 environment along with the collaboration server - Configure the Dassault Systemes licensing server - Perform basic administration tasks such as creating users and assigning licenses
Prerequisites	<ul style="list-style-type: none"> - Students attending this course should have completed the ENOVIA V6 Architecture Essentials course. - They should know Oracle database basics, and Application Server concepts and deployment.

ENOVIA V6 Installation for Oracle and Tomcat Environment (IOT)

Available Online

Yes

ENOVIA V6 Installation for Oracle and WebSphere Environment (IOW)

Course Code	ENOV-en-IOW-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	ENOVIA Administrators, Database Administrators
Description	This course will teach you the basics of the installation and administration of ENOVIA V6. More specifically you will learn about the architecture and underlying principles of an ENOVIA V6 installation, its prerequisites and how to install them. You will then learn how to install the complete ENOVIA V6 environment for a single site deployment using an Oracle and WebSphere environment.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create the logical architecture of the ENOVIA V6 deployment. - Identify the installation prerequisites. - Setup the prerequisites and ORACLE database. - Install the ENOVIA V6 environment with the collaboration server. - Configure the Dassault Systemes licensing server. - Perform basic administration tasks such as creating users, assigning the licenses.
Prerequisites	<ul style="list-style-type: none"> - Students attending this course should have attended the ENOVIA V6 Architecture Essentials course.

ENOVIA V6 Installation for Oracle and WebSphere Environment (IOW)

- They should know ORACLE database basics, and Application Server concepts and deployment.

Available Online

Yes

ENOVIA V6 Multi-Site Environment: Installation and Configuration (IME)

Course Code	ENOV-en-IME-F-V6R130
Available Releases	V6R2012 , V6R2012x , V6R2013
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	ENOVIA V6 System Administrators.
Description	In this course, the attendees will learn how to configure and install a File Collaboration Server (FCS) separated from the Main Collaboration Server (MCS), also how to deal with Stores .
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Install a File Collaboration Server (FCS) separated from the Main Collaboration Server (MCS).Install a File Collaboration Server (FCS) separated from the Main Collaboration Server (MCS). - Configure the LOCATION, Store and SITES.Configure the LOCATION, Store and SITES. - Create Multi-Store in VPM. - Create Multi-Store in VPM. - Manage the synchronization.
Prerequisites	Students attending this course should have taken the ENOVIA V6 Architecture and ENOVIA V6 Installation courses.
Available Online	Yes

Gateway to ENOVIA V6 (GTE)	
Course Code	ENOV-en-GTE-F-V6R131
Available Release	V6R2013x
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	First-time users of ENOVIA V6
Description	This course will teach you the basics of ENOVIA V6. You will learn how to log on and use the various menus and commands, interact with dialog boxes to create new objects, and search for existing objects in the ENOVIA database. You will also learn how to personalize the ENOVIA settings to suit your needs and change your password.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Log on to ENOVIA V6 - Use the standard menus and commands - Browse to a specific ENOVIA page and use its commands - Interact with an ENOVIA dialog box to create an object - Search for objects stored in the ENOVIA database - Read and send messages using the inbuilt IconMail
Prerequisites	There are no prerequisites for this course.
Available Online	Yes

Getting Started with ENOVIA V6 for IT Personnel (GS6)

Course Code	ENOV-en-GS6-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	16 hours
Course Materials	English , Japanese
Level	Fundamental
Audience	IT Implementation Teams, Project Managers, and Team Leaders who need to understand the ENOVIA V6 architecture and the various ENOVIA Centrals.
Description	<p>This course teaches the principle concepts of ENOVIA V6 that are needed for starting an implementation. You will learn how Dassault Systèmes implements the concepts of PLM 2.0 on the ENOVIA V6 platform. You will get an overview of ENOVIA V6, its architecture components and schema, its customization tools, and its integration with CAD, ERP, and PDM systems. You will also become familiar with various ENOVIA V6 applications (Centrals) and understand how they help you to design and configure products based on captured requirements, define and manage projects, manage BOM lifecycles, finalize the materials to be used for manufacturing, and manage RFQs.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Identify how ENOVIA V6 fulfills the concepts of PLM and covers the entire lifecycle of a product - Explain the Dassault Systèmes' ENOVIA V6 portfolio and packaging - Identify and describe the ENOVIA V6 architecture components and schema - Explain how to customize the administrative objects of ENOVIA V6

Getting Started with ENOVIA V6 for IT Personnel (GS6)

- Identify and demonstrate the basic navigation of the ENOVIA V6 user interface
- Describe and explain the use of various ENOVIA V6 applications (Centrals)
- Describe the integration of ENOVIA V6 with various CAD, ERP, and PDM systems

Prerequisites

There are no prerequisites for this course.

Available Online

Yes

ENOVIA
ENOVIA IP Lifecycle
Management V6

ENOVIA Designer Central for CATIA V5 Essentials (DC5)

Course Code	ENOV-en-DC5-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	<ul style="list-style-type: none"> - Design Engineers, Drafting Engineers, and Manufacturing Engineers - Business Administrators and System Administrators responsible for managing the integration of Designer Central and CATIA
Description	<p>This course will teach you how to use ENOVIA Designer Central for CATIA V5 to share and manage information related to engineering design and change from both CATIA V5 and ENOVIA. You will learn how to view the details of a CAD object, search for data, perform lifecycle operations, and create and synchronize Engineering BOMs. You will also learn about Attribute Synchronization, Data Synchronization, and other Designer Central functionalities that help you to manage your data in a systematic manner.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Understand the Embedded Integration Mode - Store and retrieve CATIA files in ENOVIA - Create new Components, Drawings, and Bill of Materials - Review and release the CAD models - Modify the existing designs and create new Revisions

ENOVIA Designer Central for CATIA V5 Essentials (DC5)

Prerequisites	Students attending this course should know the basics of CATIA V5 and must be familiar with the Engineering Central.
Available Online	Yes

ENOVIA Engineering Central Essentials (ENG)	
Course Code	ENOV-en-ENG-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Materials	English , Japanese
Level	Fundamental
Audience	Design Engineers, Senior Design Engineers, Manufacturing Engineers, Senior Manufacturing Engineers, and ECR Coordinators.
Description	This course will teach you how to use ENOVIA Engineering Central to manage the engineering change process. You will learn how to create parts and specifications, raise ECRs on the parts and specifications, and create ECOs to address the design modifications raised in ECRs. You will also learn how to create part revisions.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create new parts and specifications - Create and edit the Bill of Materials - Create an ECR to make changes in a part or a specification - Create an ECO for a new product - Review and release the new product - Modify the existing product and create a new revision
Prerequisites	There are no prerequisites for this course.
Available Online	Yes

ENOVIA Library Central Essentials (LBC)	
Course Code	ENOV-en-LBC-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	<ul style="list-style-type: none"> - Design Engineers, Manufacturing Engineers, Project Managers, and Technical Writers - Business Administrators and System Administrators
Description	<p>This course will teach you how to use Library Central to create document libraries, part libraries, and general libraries; and manage parts and documents using these libraries. You can learn how to store, manage, and access documents and other files within the application in a collaborative work environment. You can also manage complex processes in a secure web-based system.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create and work with different types of Libraries and their related hierarchy - Manage the document and part objects of Libraries - Classify the Library objects based on their features - Utilize the Classification feature to manage the Attribute Groups
Prerequisites	There are no prerequisites for this course.
Available Online	Yes

ENOVIA Library Experience (LIB)	
Course Code	ENOV-en-LIB-F-V6R131
Available Release	V6R2013x
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	Designers, Manufacturing Engineers, Project Managers, and Technical Writers.
Description	This course will teach you how to use Library Experience to search and view different types of libraries and the objects hierarchy; and manage the objects using these libraries.
Objectives	Upon completion of this course you will be able to: <ul style="list-style-type: none"> - Search and view different types of Libraries and their related hierarchy.
Prerequisites	There are no prerequisites for this course.
Available Online	Yes

ENOVIA VPM Central Essentials (VPM)	
Course Code	ENOV-en-VPM-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Materials	English , Japanese
Level	Fundamental
Audience	<ul style="list-style-type: none"> - CAD Designers- CAD Designers - Engineers in charge of product development
Description	<p>Integrated and built on a common architecture with CATIA, ENOVIA VPM Central helps medium to large companies take more innovative products to market faster by providing collaborative Virtual Product Management (VPM) of complex product, process and resource information—from marketing and design to manufacturing and maintenance.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Use the interoperability between the ENOVIA V6 VPM Client and CATIA V6 - Use the interoperability between the ENOVIA V6 VPM Client and CATIA V6 - Manage Documents in CATIA - Manage Maturity and LifeCycle - Synchronize a Product Structure - Configure a Product Structure - Apply different Variants to a Product Structure
Prerequisites	<ul style="list-style-type: none"> - Basic understanding of CATIA V6 Fundamentals - Basic understanding of CATIA V6 Fundamentals - Basic knowledge of ENOVIA Engineering Central and ENOVIA Variant Configuration Central - Basic knowledge of ENOVIA Engineering Central and ENOVIA Variant Configuration Central

ENOVIA VPM Central Essentials (VPM)

Available Online

Yes

ENOVIA

ENOVIA PLM Express V6

V6 PLM Express Installation and Administration (V6AX)

Course Code	ENOV-en-V6AX-F-V6R130
Available Releases	V6R2012 , V6R2012x , V6R2013
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	V6 PLM Express Administrators and System Managers
Description	This course will introduce you to V6 PLM Express administration. You will learn how to install and post installation of the V6 PLM Express Server and client. You will also get a good understanding of the V6 PLM Express architecture. You will learn how to use the administration console to create users, projects and assign roles for the organization users.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Explain the V6 PLM Express Architecture - Install the V6 PLM Express Server - Install the ENOVIA VPM 3D Indexing Server - Install the V6 PLM Express Client - Install the ENOVIA Collaboration for Microsoft server and client
Prerequisites	Students attending this course must be familiar with the Windows Operating System
Available Online	Yes

ENOVIA

ENOVIA Programming V6

ENOVIA Web Application Customization Advanced (WAC)

Course Code	ENOV-en-WAC-A-V6R130
Available Releases	V6R2012x , V6R2013
Duration	40 Hours
Course Material	English
Level	Advanced
Audience	Business administrators; developers; consultants; people who are responsible for customizing and maintaining ENOVIA applications or who are creating their own applications using the AEF.
Description	This course teaches you how to set up a BPS web application from scratch. The focus is on advanced MQL, Java Program Objects, Studio Customization Toolkit, and Java Server Pages. It will cover the following points: JPO Architecture; JPO Customization; JSP Customization.
Objectives	<p>The ENOVIA Web Application Customization Advanced training is focused on advanced customization through programming. Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - The ENOVIA Web Application Customization Advanced course is focused on advanced customization through programming. Upon completion of this course you will be able to: - Execute advanced MQL commands needed for administration - Extend the application with JSP / JPO - Use Java API (SCT)
Prerequisites	- Completion of the following courses: Introduction to ENOVIA Studio Modeling Platform; ENOVIA Live

ENOVIA Web Application Customization Advanced (WAC)

Collaboration Business Process Services; ENOVIA Studio Modeling Platform.

- Students should also have an understanding of an object-oriented programming language (Java/C#/C++ are preferred) or SQL and should understand WEB-technologies.

Available Online

Yes

ENOVIA Web Application Customization Fundamentals (WAC)

Course Code	ENOV-en-WAC-F-V6R130
Available Releases	V6R2012x , V6R2013
Duration	40 hours
Course Material	English
Level	Fundamental
Audience	Business administrators; developers; consultants; people who are responsible for customizing and maintaining ENOVIA applications or who are creating their own applications using the AEF.
Description	The course teaches you how to set up a BPS web application from scratch. The focus is configuration. It will cover the following points: - creation of the schema using MQL; - configuration of the ENOVIA web user interface; - extending user interface with business logic;
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Use MQL to set up the schema - Create and maintain an ENOVIA BPS web application based on UI configurable components - Become familiar with properties files to register a new application and/or modify the login and system properties files - Configure automatic business rules (triggers, notifications) and automatic object naming
Prerequisites	- Completion of the following courses: Introduction to ENOVIA Studio Modeling Platform; ENOVIA Live Collaboration Business Process Services; ENOVIA Studio Modeling Platform.

ENOVIA Web Application Customization Fundamentals (WAC)

- Students should also have an understanding of an object-oriented programming language (Java/C#/C++ are preferred) or SQL and should understand WEB-technologies.

Available Online

Yes

ENOVIA
ENOVIA Unified Live
Collaboration V6

ENOVIA Live Collaboration Business Process Services (MIA)

Course Code	ENOV-en-MIA-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Materials	English , Japanese
Level	Fundamental
Audience	Business Administrators, PLM Project Team Members, and ENOVIA Professional Services Implementation Partners
Description	This course will introduce you to the basic concepts of Business Process Services, which contains Application Exchange Framework (AEF), Common Components, ENOVIA Team Central, and Business Metrics Module.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Explain the ENOVIA Live Collaboration Business Process Services - List the Common Components used in all ENOVIA Business Process Applications - Use the ENOVIA Team Central to create and manage workspaces - Use the Business Metrics Module to configure the metrics dashboard and generate various reports
Prerequisites	Students attending this course should have attended the Introduction to the ENOVIA Collaboration Platform and the ENOVIA Studio Modeling Platform courses.
Available Online	Yes

ENOVIA Studio Modeling Platform (MBM)	
Course Code	ENOV-en-MBM-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	16 hours
Course Materials	English , Japanese
Level	Fundamental
Audience	Business Administrators, System Administrators and Implementers
Description	
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Describe the basics of an ENOVIA schema - Explain the objects of a schema and the relationship between them - Design and implement an ENOVIA schema - Test all aspects of the schema using the ENOVIA interface - Perform basic functions using the MQL module
Prerequisites	Students attending this course should have attended the Introduction to the ENOVIA Collaboration Platform course.
Available Online	Yes

Introduction to ENOVIA Studio Modeling Platform (MIN)	
Course Code	ENOV-en-MIN-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Materials	English , Japanese
Level	Fundamental
Audience	ENOVIA Administrators and Implementers
Description	This course will introduce you to the ENOVIA Architecture and the four ENOVIA thick client modules. You will learn the concepts of Admin objects and Business objects, along with the ENOVIA schema architecture. You will also get an overview of the Matrix Navigator module and learn how to use it to perform various operations on the Business objects.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Describe the ENOVIA Architecture and its components - Explain the ENOVIA Schema and its Data Model - Use the ENOVIA thick client modules to create and manage the schema - Use the ENOVIA Matrix Navigator to create and edit the Business Objects
Prerequisites	None
Available Online	Yes

SIMULIA

SIMULIA V6 Analysis

CATIA Structural Analysis Fundamentals (V6AF)

Course Code	SIM-en-V6AF-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	12 hours
Course Materials	English , Japanese
Level	Fundamental
Audience	Mechanical Designers, Structural Analysts
Description	This course will introduce the concepts and benefits of Finite Element Analysis and the general analysis process. It will teach you how to prepare a model for analysis, create 1D, 2D and 3D FE models, and compute a simple static analysis for a single part or an assembly.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create a Finite Element Analysis model - Prepare a solid or surface model for analysis - Create 1D, 2D and 3D meshes for beam, surface, and solid models - Assign properties, create loads and constraints, and define connection properties - Compute an analysis for a part or an assembly - Generate and display analysis results
Prerequisites	CATIA V5 Fundamentals, CATIA V5 to V6 Mechanical Design Transition
Available Online	Yes

CATIA V5 to V6 Analysis Transition (V6AT)

Course Code	SIM-en-V6AT-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Designers, Analysts
Description	<p>This course will introduce you to CATIA V6 and the fundamental concepts of PLM. You will learn how to search for models in the V6 database and how to import existing V5 data. Using a role-based scenario in the context of an assembly you will learn how to design parts in collaboration with other users, perform modifications, check impacts, and propagate the modifications to the impacted parts. You will also learn how to perform a finite element analysis for structures in CATIA V6 (preprocessing, computation, postprocessing, and assembly analysis)</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Import existing CATIA V5 data and store in V6 - Search for data in the V6 database - Open V6 parts for modification - Share information with other users - Perform Part and Assembly Structural Analysis using new and enhanced functions.
Prerequisites	Students should have attended the CATIA V5 Fundamentals and CATIA V5 Analysis courses.
Available Online	Yes

SIMULIA

SIMULIA V6 DesignSight

Introduction to DesignSight (DEI)	
Course Code	SIM-en-DEI-F-V6R131
Available Releases	V6R2012 , V6R2012x , V6R2013 , V6R2013x
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	Simulation Designers and Analysts
Description	This course will teach you how to perform a Structural/Frequency simulation using DesignSight Structure and Structure Plus. You will learn how to perform a Thermal simulation using DesignSight Thermal. You will also learn how to review simulations stored in the V6 database and generate reports.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Search for simulation data in the V6 database - Open a DesignSight simulation for modification - Perform a Structural/Frequency simulation using DesignSight Structure and Structure Plus - Perform a Thermal simulation using DesignSight Thermal - Review simulations stored in the database and generate reports
Prerequisites	Students attending this course should be familiar with SIMULIA V6 fundamentals.
Available Online	Yes

SIMULIA

SIMULIA V6 Design Simulation

SIMULIA Concept Innovation Essentials (CSDS)	
Course Code	SIM-en-CSDS-F-V6R140
Available Release	V6R2014
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	Designers, Analysts
Description	This course is an introduction to performing simulation to spur product and concept innovation in the 3DEXPERIENCE Platform. The 3DEXPERIENCE Platform enables designers to perform realistic simulation of parts/assemblies under structural loading conditions early in the design cycle.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Search for simulation data in the database. - Open a simulation for modification. - Perform a structural simulation. - Review simulations stored in a database and generate reports.
Prerequisites	V6 Fundamentals
Available Online	Yes

SIMULIA

SIMULIA V6 ExSight

Introduction to ExSight (EXI)	
Course Code	SIM-en-EXI-F-V6R131
Available Releases	V6R2013 , V6R2013x
Duration	24 hours
Course Material	English
Level	Fundamental
Audience	Simulation Analysts
Description	<p>This course will teach you how to work with assemblies and prepare them for ExSight simulations. You will learn how to use the Advanced Meshing workbench to mesh the assembly components. You will also learn how to build FEA models using various model features such as materials, section properties and connections, and how to create scenarios using different steps with different loads, restraints and contact interactions. This course will also teach you how to perform the post-processing of the model after its successful solving.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create complete finite element models - Run and monitor the simulations - View and evaluate the simulation results - Perform structural simulations (such as effects of material nonlinearity, large deformation and contact)
Prerequisites	None
Available Online	Yes

SIMULIA

SIMULIA V6 Isight

Introduction to Isight (ISGT)	
Course Code	SIM-en-ISGT-F-V6R130
Available Release	V6R2013
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	The course is recommended for new Isight users and anyone else interested in learning more about Isight, including mechanical designers, analysts and methods developers.
Description	Isight is a Process Integration and Design Optimization (PIDO) software framework, which enables various applications to be easily integrated. With Isight you can create flexible simulation process flows to automate the exploration of design alternatives and identification of optimal performance parameters. This course comprehensively covers the Design and Runtime Gateways along with several fundamental components, exposing users to the ways in which a workflow can be built in Isight and the ways in which the design space can be explored.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Automate a series of functions to create a Sim-flow - Add components to a Sim-flow - Set up the core component - Configure components to pass data to/from each other - Execute a Sim-flow - Visualize Sim-flow results - Evaluate design alternatives - Create a workflow to capture a process, by integrating various software in the company.

Introduction to Isight (ISGT)

- Perform Design Optimization using various techniques such as DOE, Optimization, Monte Carlo etc.

Prerequisites

None

Available Online

Yes

SIMULIA

SIMULIA V6 Multiphysics Digital
Lab

SIMULIA Scenario Definition Essentials (SCE)	
Course Code	SIM-en-SCE-F-V6R130
Available Releases	V6R2012x , V6R2013
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Simulation Analysts, Simulation Method Developers and Reviewers
Description	This course teaches how to create and maintain simulation data and processes. You will learn how to capture your existing processes, connect to external applications and turn your workflows into reusable templates. You will also learn how to perform various functions associated to the management of the lifecycle of your data, such as setting accesses, and promoting simulations to the next level for approval.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Integrate and control the execution of simulation applications - Carry out operations such as query and version control - Administrate access privileges and perform and review simulations in a distributed, collaborative environment - Use the SIMULIA Scenario Definition Connectors Framework to deploy and execute simulation authoring applications developed by your company, SIMULIA, Dassault Systèmes, or third parties
Prerequisites	None

SIMULIA Scenario Definition Essentials (SCE)

Available Online

Yes

SIMULIA

SIMULIA V6 Multiphysics Simulation

SIMULIA Fluid Modeling Essentials (FLM)	
Course Code	SIM-en-FLM-F-V6R140
Available Release	V6R2014
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Simulation Analysts
Description	This course is a comprehensive introduction to the flow simulation capabilities in the 3DEXPERIENCE Platform. It teaches you how to solve computational fluid dynamics (CFD), fluid-structure interaction (FSI), conjugate heat transfer (CHT) problems and view simulation results.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Set up and create CFD, CHT and FSI models in the 3DEXPERIENCE Platform - Perform CFD analyses - Perform FSI analyses - Perform CHT analyses - Postprocess CFD, FSI and CHT results
Prerequisites	None
Available Online	Yes

SIMULIA Physics Modeling Essentials (PHM)	
Course Code	SIM-en-PHM-F-V6R140
Available Release	V6R2014
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Simulation Analysts
Description	This course is a comprehensive introduction to the physics modeling capabilities in the 3DEXPERIENCE Platform. It teaches you how to solve linear and nonlinear problems and view simulation results.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create complete Finite Element models - Run and monitor the simulations - View and evaluate simulation results - Perform structural simulations (such as effects of material nonlinearity, large deformation, and contact)
Prerequisites	None
Available Online	Yes