

DS University
COURSE CATALOG



V6

September 2011 Edition

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3DVIA

3DVIA Explain	1
3DVIA Composer Essentials (CPS).....	2

CATIA

CATIA Equipments V6	3
CATIA 3D Electrical Design Essentials (EHD).....	4
CATIA Piping and Tubing Design Essentials (PTD).....	5
CATIA Systems Generative 3D Electrical Essentials (EGD).....	6
CATIA V5 to V6 Electrical Transition (V6VET).....	7
CATIA Wire Harness Documentation and Formboard Essentials (EFB).....	8
CATIA Knowledge and Reuse V6	9
CATIA Knowledge Advisor Essentials (KWA).....	10
CATIA Mechanical V6	11
CATIA Composites Engineering Essentials (CEG).....	12
CATIA Composites Manufacturing Essentials (CMP).....	13
CATIA Fabricated Part Design Essentials (FPD).....	14
CATIA Fastener Design Essentials (FSR).....	15
CATIA Live Compose Essentials (LCE).....	16
CATIA Live FTA Review Essentials (LFT).....	17
CATIA Mechanism Simulation Essentials (MSI).....	18
CATIA Plastic Part Design Essentials (PPD).....	19
CATIA V5 to V6 Mechanical Design Transition (V6MT).....	20
CATIA V6 Automotive Body Transition (V6VBT).....	21
CATIA V6 Automotive Chassis Transition (V6VCT).....	22
CATIA V6 Automotive Powertrain Transition (V6VPT).....	23
CATIA V6 Mechanical Design Advanced (V6E).....	24
CATIA V6 Mechanical Design Fundamentals (V6F).....	25
CATIA Shape V6	26
CATIA Icem Shape Design Advanced (IEX).....	27
CATIA Icem Shape Design Fundamentals (ISH).....	28
CATIA Imagine and Shape Essentials (IMS).....	29



CATIA Live Shape Essentials (LSE).....	30
CATIA Reverse Engineering Essentials (REV).....	31
CATIA V5 to V6 Mechanical Surface Design Transition (V6ST).....	32
CATIA V6 Mechanical Surface Design Essentials (SUR).....	33
CATIA Systems / Geensoft V6.....	34
CATIA REQTIFY Administration: Analysis Types (RQT).....	35
CATIA REQTIFY Administration: Report Generator (RQR).....	36
CATIA Systems Architecture Design Essentials (SAR).....	37
CATIA Systems Dynamic Behavior Modeling Essentials (DBM).....	38
CATIA Systems Logical 3D Architecture Essentials (TDS).....	39
CATIA Systems Logical Electrical and Fluidic Design Essentials (ELS).....	40
CATIA Systems Logic Control Modeling Essentials (LOC).....	41
Introduction to CATIA REQTIFY (RQS).....	42
Introduction to Systems Engineering (RFLP).....	43
PLM Express V6.....	44
V5 to V6 PLM Express Design Transition (V6MTX).....	45
V6 PLM Express Essentials (V6FX).....	46
 DELMIA	
DELMIA Manufacturing Planning V6.....	47
DELMIA Assembly Process Simulation Essentials (APS).....	48
DELMIA Auto BodyInWhite Process Planning Essentials (BPP).....	49
DELMIA Custom Time Analysis Essentials (CTA).....	50
DELMIA Live Assembly Essentials (LAS).....	51
DELMIA Process Planning Essentials (PPG).....	52
DELMIA Production System Simulation Essentials (PSS).....	53
DELMIA Resource Planning Essentials (RPG).....	54
DELMIA Plant and Resources Engineering V6.....	55
DELMIA Mechanical Device Builder Essentials (MDB).....	56
DELMIA NC Machine Builder Essentials (NMB).....	57
DELMIA Resource Layout Essentials (RLT).....	58
DELMIA Program and Control Engineering V6.....	59
DELMIA Ergonomic Evaluation Essentials (EGE).....	60
DELMIA Ergonomics Analysis Essentials (EGA).....	61
DELMIA Ergonomics Task Definition Essentials (ETD).....	62



DELMIA Prismatic Machining Fundamentals (MTMF).....	63
DELMIA Smart Device Builder Essentials (SDB).....	64

ENOVIA

ENOVIA Global Sourcing V6	65
ENOVIA Sourcing Central Essentials (SRC).....	66
ENOVIA Supplier Central Essentials (SUP).....	67
ENOVIA Governance V6	68
ENOVIA 3DLive Essentials (LIV).....	69
ENOVIA Material Compliance Central Essentials (MCC).....	71
ENOVIA Program Central Essentials (PRG).....	72
ENOVIA Requirements Central Essentials (RMT).....	73
ENOVIA Variant Configuration Central Essentials (FTR).....	74
ENOVIA Installation & Administration V6	75
ENOVIA V6 Architecture Essentials (V6AC).....	76
ENOVIA V6 Configuration Essentials (V6CF).....	77
ENOVIA V6 Installation for DB2 and Tomcat Environment (IDT).....	78
ENOVIA V6 Installation for DB2 and WebSphere Environment (IDW).....	79
ENOVIA V6 Installation for Oracle and Tomcat Environment (IOT).....	80
ENOVIA V6 Installation for Oracle and WebSphere Environment (IOW).....	81
V6 PLM Express Installation and Administration (V6AX).....	82
ENOVIA IP Lifecycle Management V6	83
ENOVIA Designer Central for CATIA V5 Essentials (DC5).....	84
ENOVIA Engineering Central Essentials (ENG).....	85
ENOVIA Library Central Essentials (LBC).....	86
ENOVIA VPM Central Essentials (VPM).....	87
ENOVIA Programming V6	88
Building Applications Using Configurable Components (MGC).....	89
Developing ENOVIA JSP Applications using Studio Customization Toolkit (MGA).....	90
ENOVIA Unified Live Collaboration V6	91
ENOVIA Business Process Services (MIA).....	92
ENOVIA Studio Modeling Platform (MBM).....	93
Introduction to the ENOVIA Collaboration Platform (MIN).....	94
Introduction to ENOVIA V6	95
Getting Started with ENOVIA for Implementers (GS6).....	96



SIMULIA

CATIA Analysis V6	98
CATIA Structural Analysis Fundamentals (V6AF).....	99
CATIA V5 to V6 Analysis Transition (V6AT).....	100



3DVIA

3DVIA Explain



	3DVIA Composer Essentials (CPS)
Course Code	3DVIA-en-CPS-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	20 hours
Course Material	English
Level	Fundamental
Audience	Technical Illustrators, Technical Support / Sales Engineers, Sales Demonstrators
Description	In this course you will learn how to open and navigate in a model with 3DVIA Composer. You will capture views of a model, add annotations to it and change its rendering, create technical illustrations and also high resolution images. Moreover this course will teach you how to create animations and then publish and share the 3DVIA Composer content.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Open and navigate inside a model with 3DVIA Composer - Capture Views of a model - Enhance a 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-V6R120
Available Releases	V6R2011 , V6R2011x , V6R2012
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 Piping and Tubing Design Essentials (PTD)
Course Code	CAT-en-PTD-F-V6R120
Available Release	V6R2012
Duration	2 days
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.
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
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-V6R120
Available Release	V6R2012
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Electrical System Designers, System Architects, and Electrical Geometry Designers
Description	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.
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 its use in generating a 3D electrical geometry from the logical definitions.
Prerequisites	Students attending this course should have knowledge of CATIA Systems Logical Electrical and Fluidic Design, CATIA Systems Logical 3D Architecture Design, and the CATIA 3D Electrical Design courses.
Available Online	Yes



	CATIA V5 to V6 Electrical Transition (V6VET)
Course Code	CAT-en-V6VET-F-V6R120
Available Releases	V6R2011 , V6R2011x , V6R2012
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
Prerequisites	Students attending this course must be familiar with the V5 Automotive Electrical Course
Available Online	Yes



	CATIA Wire Harness Documentation and Formboard Essentials (EFB)
Course Code	CAT-en-EFB-F-V6R120
Available Release	V6R2012
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Electrical System Designers
Description	Wire harness manufacturing requires that you create 2D drawings of Electrical Systems. This course will teach you how to achieve this. You will learn how to extract and flatten the electrical system, create drawings using th3 2D catalogs and text templates, and add dimensions.
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 Flattening workbench - Flatten the harness data on the desired 2D plane - Manipulate the Flattened Harness - Create the Electrical Drawing - Replace the 3D Geometry of Components with 2D Details - Generate Text Templates - Create Dimensions - and create Support Section Views, Device Section Views, Segment Arrangement Views
Prerequisites	Students attending this course should have the basic knowledge of CATIA V6, besides having knowledge of the Electrical System Design Domain and Engineering Drawings.
Available Online	Yes



CATIA

CATIA Knowledge and Reuse V6



	CATIA Knowledge Advisor Essentials (KWA)
Course Code	CAT-en-KWA-F-V6R120
Available Release	V6R2012
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	CATIA V6 Designers
Description	This course will show you how to manage Knowledge Advisor objects in order to embed knowledge within design and leverage it to reduce errors and automate modifications.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Understand Knowledgeware terminologies - Create parametric models - Embed design knowledge in the models - Automate design modifications
Prerequisites	Students attending this course should be familiar with the basics of CATIA V6.
Available Online	Yes



CATIA

CATIA Mechanical V6



	CATIA Composites Engineering Essentials (CEG)
Course Code	CAT-en-CEG-F-V6R120
Available Releases	V6R2011 , V6R2012
Duration	40 hours
Course Material	English
Level	Fundamental
Audience	Composites Designers
Description	
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
Available Online	Yes



	CATIA Composites Manufacturing Essentials (CMP)
Course Code	CAT-en-CMP-F-V6R120
Available Releases	V6R2011 , V6R2012
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Composites Manufacturing Designers
Description	
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 the 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 Fabricated Part Design Essentials (FPD)
Course Code	CAT-en-FPD-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
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-V6R120
Available Releases	V6R2011 , V6R2011x , V6R2012
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Engineers
Description	<p>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.</p>
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 have knowledge of CATIA Mechanical Design Fundamentals.
Available Online	Yes



	CATIA Live Compose Essentials (LCE)
Course Code	CAT-en-LCE-F-V6R120
Available Release	V6R2012
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 have attended CATIA Live Shape Essentials
Available Online	Yes



	CATIA Live FTA Review Essentials (LFT)
Course Code	CAT-en-LFT-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
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 Functional Tolerancing and Annotation Review (FTA) features (Views, Captures, and Annotations) - 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
Prerequisites	<p>Students attending this course should have taken the ENOVIA 3DLive Essentials course and be familiar with the Windows Operating System</p>
Available Online	Yes



	CATIA Mechanism Simulation Essentials (MSI)
Course Code	CAT-en-MSI-F-V6R120
Available Releases	V6R2011x , V6R2012
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 analysis - 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.
Available Online	Yes



	CATIA Plastic Part Design Essentials (PPD)
Course Code	CAT-en-PPD-F-V6R120
Available Releases	V6R2011x , V6R2012
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Engineers and Plastic Part Designers
Description	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.
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	Students attending this course should be familiar with the CATIA V6 Mechanical Design Fundamentals and CATIA V6 Mechanical Surface Design courses.
Available Online	Yes



	CATIA V5 to V6 Mechanical Design Transition (V6MT)
Course Code	CAT-en-V6MT-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Designers, CATIA V5 Designers
Description	This course will teaches you how to import existing V5 data and search for models in database in CATIA V6. You will learn how to design in collaboration with other users, perform modifications, check impacts and propagate modifications using a role-based scenario . You will also learn how to load a product configuration, 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 the existing CATIA V5 data and store in V6 - Search for the data in the V6 database - Open V6 parts for modification - Share information with other users - Analyze the impacts of modifications - Propagate the modifications - Load a product configuration - Use assembly-level features - Analyze a product
Prerequisites	Students attending this course should be familiar with CATIA V5 Fundamentals.
Available Online	Yes



	CATIA V6 Automotive Body Transition (V6VBT)
Course Code	CAT-en-V6VBT-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Automotive Designer, CATIA V5 Designer
Description	<p>This course will introduce you to CATIA V6 and the fundamental concepts of PLM. This course will teach what is new in CATIA V6 compared to CATIA V5. 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 modifications to the database. You will also learn how to manage assembly architecture and contextual links, reuse catalog data, work with large assemblies and analyze the resulting design.</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 - Analyze a product
Prerequisites	Students attending this course should be familiar with CATIA V5 basics like Part Design, Assembly Design and Drafting
Available Online	Yes



	CATIA V6 Automotive Chassis Transition (V6VCT)
Course Code	CAT-en-V6VCT-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Automotive Designer, CATIA V5 Designer
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. This course will teach what is new in CATIA V6 compared to CATIA V5. 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 modifications to the database. You will also learn how to manage assembly architecture and contextual links, reuse catalog data, work with large assemblies and analyze the resulting design.</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 - Analyze a product
Prerequisites	Students attending this course should be familiar with CATIA V5 basics like Part Design, Assembly Design and Drafting
Available Online	Yes



	CATIA V6 Automotive Powertrain Transition (V6VPT)
Course Code	CAT-en-V6VPT-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Automotive Designer, CATIA V5 Designer
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. This course will teach what is new in CATIA V6 compared to CATIA V5. 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 modifications to the database. You will also learn how to manage assembly architecture and contextual links, reuse catalog data, work with large assemblies and analyze the resulting design.</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 - Analyze a product
Prerequisites	Students attending this course should be familiar with CATIA V5 basics like Part Design, Assembly Design and Drafting
Available Online	Yes



	CATIA V6 Mechanical Design Advanced (V6E)
Course Code	CAT-en-V6E-A-V6R120
Available Releases	V6R2011x , V6R2012
Duration	32 hours
Course Material	English
Level	Advanced
Audience	Mechanical Designers
Description	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.
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



	<h2>CATIA V6 Mechanical Design Fundamentals (V6F)</h2>
Course Code	CAT-en-V6F-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	40 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Engineers
Description	<p>This course will teaches you how to build parts using feature-based and functional modeling techniques and how to apply design rules CATIA V6. You will also learn how to collaborate with other users to review designs. This course also teaches you how to create a simple assembly, simulate a mechanism, create a rendered image and generate a simple detail drawing.</p>
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
Prerequisites	<p>Students attending this course should be familiar with the Microsoft Windows Operating System.</p>
Available Online	Yes



CATIA
CATIA Shape V6



	CATIA Icem Shape Design Advanced (IEX)
Course Code	CAT-en-IEX-A-V6R120
Available Release	V6R2012
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 Icem Shape Design Fundamentals (ISH)
Course Code	CAT-en-ISH-F-V6R120
Available Release	V6R2012
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 Mechanical Design Fundamentals - Some knowledge of Mechanical Surface Design is advisable
Available Online	Yes



	CATIA Imagine and Shape Essentials (IMS)
Course Code	CAT-en-IMS-F-V6R120
Available Releases	V6R2011 , V6R2011x , V6R2012
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 have knowledge of CATIA V6 Fundamentals and CATIA V6 Surfaces.
Available Online	Yes



	CATIA Live Shape Essentials (LSE)
Course Code	CAT-en-LSE-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Conceptual Designers, Stylists, Simulation and Manufacturing Engineers
Description	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 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.
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 conceptualize your designs - Work on structures to create 3D parts, navigate the structures, and position the parts - Reuse existing designs in your 3D models
Prerequisites	<ul style="list-style-type: none"> - Students attending this course should have knowledge of CATIA V6 Fundamentals and CATIA V6 Surfaces. - They should be well-versed in the Microsoft Windows operating environment.
Available Online	Yes



	CATIA Reverse Engineering Essentials (REV)
Course Code	CAT-en-REV-F-V6R120
Available Release	V6R2012
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>
Available Online	Yes



	CATIA V5 to V6 Mechanical Surface Design Transition (V6ST)
Course Code	CAT-en-V6ST-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	8 hours
Course Material	English
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	Knowledge of CATIA V5 (V5 Fundamentals or Part / Assembly Design, Surface Design and Drafting)
Available Online	Yes



	CATIA V6 Mechanical Surface Design Essentials (SUR)
Course Code	CAT-en-SUR-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	40 hours
Course Material	English
Level	Fundamental
Audience	Surface Designers and CATIA V5 Designers
Description	This course will teach you how to use the FS1 and GSD 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 FS1 and GSD workbenches - Create good quality curves and improve the imported wireframe - Create good quality surfaces based on sound wireframe geometry - Assemble, relimit 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 CATIA V6 fundamentals or Part/Assembly Design and Drafting.
Available Online	Yes



CATIA

CATIA Systems / Geensoft V6



	CATIA REQTIFY Administration: Analysis Types (RQT)
Course Code	CAT-en-RQT-A-V6R120
Available Release	V6R2012
Duration	8 hours
Course Material	English
Level	Advanced
Audience	Future administrators : Quality Engineers, Software Engineers, Project Managers, etc.
Description	REQTIFY provides all the functionalities to exactly fit methodologies and standards that have to be implemented in an automated requirement management process. Hence, customization of input formalism is key for a complete integration of requirement traceability through REQTIFY. Participants will become confident on all the important topics and will be able to support their internal team. This course belongs to V2010-1b version of REQTIFY.
Objectives	Upon completion of this course you will be able to: <ul style="list-style-type: none"> - Customize specific types of analysis according to the formal standards or methodologies
Prerequisites	Students should have attended the Introduction to CATIA REQTIFY course.
Available Online	Yes



	CATIA REQTIFY Administration: Report Generator (RQR)
Course Code	CAT-en-RQR-A-V6R120
Available Release	V6R2012
Duration	8 hours
Course Material	English
Level	Advanced
Audience	Future administrators : Quality Engineers, Software Engineers, Project Managers, etc.
Description	<p>REQTIFY provides all the functionalities to exactly fit methodologies and standards that have to be implemented in an automated requirement management process. Dedicated report generation and specific analysis rules are some mandatory aspects to fulfill commitments in requirements management. Hence, participants will become confident on report generation and will be able to support their internal team. This course belongs to V2010-1b version of REQTIFY.</p>
Objectives	<p>Upon completion of this course, you will be able to:</p> <ul style="list-style-type: none"> - Customize the output reports for the specific or general needs according to the formal standards or methodologies.
Prerequisites	Students should have attended the Introduction to CATIA REQTIFY and the CATIA REQTIFY Administration: Analysis Types courses.
Available Online	Yes



	CATIA Systems Architecture Design Essentials (SAR)
Course Code	CAT-en-SAR-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
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-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	16 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 CATIA Systems Dynamic Behavior Modeling (DBM) workbench to author and execution a model, create drawings and layers, etc - Create a DBM model - Attach the DBM model to a Logical Component - Simulate the DBM model
Prerequisites	<ul style="list-style-type: none"> - Students attending this course should have the knowledge of: - CATIA Systems Architecture Design - Modelica language and modeling methods
Available Online	Yes



	CATIA Systems Logical 3D Architecture Essentials (TDS)
Course Code	CAT-en-TDS-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
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. This course will teach you how 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 the links between two logical components - 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 have the knowledge of: - CATIA Systems Architecture Design Essentials - CATIA Live Shape Essentials - CATIA V6 Mechanical Design Fundamentals - CATIA V6 Mechanical Surface Design Essentials
Available Online	Yes



	CATIA Systems Logical Electrical and Fluidic Design Essentials (ELS)
Course Code	CAT-en-ELS-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	<ul style="list-style-type: none"> - Electrical System Designers - Piping Systems Designers
Description	<p>This course is designed for students who are already familiar with the CATIA V6 user interface and who have domain knowledge of Electrical System Design and / or Piping Systems Design. It will build upon their existing knowledge and teach them how to create an Electrical Logical System and export / import it using CATIA V6. It will also teach them about Piping Logical Systems.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Define electrical components - Use Spreadsheet Editor - Manage connector ports and pins - Define an Electrical Net 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 Systems - Creating Logical Fluidic Systems
Prerequisites	<p>Students taking this course should have knowledge of CATIA Mechanical Design Fundamentals and Introduction to Systems Engineering. They should also have the knowledge of Electrical System Design and Piping System Design.</p>
Available Online	Yes



	CATIA Systems Logic Control Modeling Essentials (LOC)
Course Code	CAT-en-LOC-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Systems Architects, Systems Engineers, and Mechanical Designers
Description	This course will teach you how to use the Logic Control Modeling (LCM) workbench, and introduce you to the LCM programming language. You will also learn how to use LCM as a single simulation platform for creating state logic and dynamic behavior simulations.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Understand and use the Logical Control Modeling (LCM) programming language - Organize the LCM program - Formalize the Sequential Function Chart (SFC+) - Define the functions and constants - Add an LCM behavior to a logical component - Simulate the LCM and DBM behaviors simultaneously - Link a 3D Representation to an LCM behavior
Prerequisites	<ul style="list-style-type: none"> - Students attending this course should have the knowledge of - CATIA Systems Architecture Design
Available Online	Yes



	Introduction to CATIA REQTIFY (RQS)
Course Code	CAT-en-RQS-F-V6R120
Available Release	V6R2012
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Software Engineers, Hardware Engineers, Electronics Engineers, System Engineers, etc.
Description	Although REQTIFY is intuitive and simple to use, it has many capabilities that might not be immediately identified. This course will describe all the basic notions of requirement management and how to implement such process in a tool oriented solution like REQTIFY. After this training day you will have the opportunity to explore all REQTIFY features and you will be able to be autonomous on REQTIFY usage. This course belongs to V2010-1b version of REQTIFY.
Objectives	<p>Upon completion of this course, you will be able to:</p> <ul style="list-style-type: none"> - Have a good understanding of REQTIFY - Use the REQTIFY product in an automated requirements management approach
Prerequisites	None
Available Online	Yes



	Introduction to Systems Engineering (RFLP)
Course Code	CAT-en-RFLP-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
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 be able to:</p> <ul style="list-style-type: none"> - Understand how Systems Engineering helps to manage concurrent multidisciplinary engineering processes - Understand how the Requirement, Function, Logical approach optimizes the design process.
Prerequisites	Students taking this course should have the domain knowledge of system engineering.
Available Online	Yes



CATIA
PLM Express V6



	V5 to V6 PLM Express Design Transition (V6MTX)
Course Code	CRB-en-V6MTX-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Designers, CATIA V5 Designers.
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. 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	CRB-en-V6FX-F-V6R120
Available Releases	V6R2011 , V6R2011x , V6R2012
Duration	40 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Engineers
Description	This course will introduce you to CATIA 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 BOM
Prerequisites	Students attending this course should be familiar with the Microsoft Windows Operating System.
Available Online	Yes



DELMIA

DELMIA Manufacturing Planning V6



	DELMIA Assembly Process Simulation Essentials (APS)
Course Code	DEL-en-APS-F-V6R110
Available Release	V6R2011
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	New DELMIA V6 Users with Manufacturing Assembly responsibilities.
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 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 learn how to:</p> <ul style="list-style-type: none"> - Create an environment - Create tracks - Enhance a simulation - Create a video output of the simulation
Prerequisites	<ul style="list-style-type: none"> - Students attending this course should have the following experience: - Mechanical engineering experience - Experience with the Windows operating system
Available Online	Yes



	DELMIA Auto BodyInWhite Process Planning Essentials (BPP)
Course Code	DEL-en-BPP-F-V6R110
Available Release	V6R2011
Duration	24 hours
Course Material	English
Level	Fundamental
Audience	Process Planners, System Planners, and Resource Planners
Description	This course will teach you how to perform a complete fastener planning to manufacture automotives. Initially, you will learn to create processes and systems for a given product. Then, you will learn to create and assign resources to various operations in the system. You will also learn to assign fasteners to the processes and systems accordingly. Finally, you will learn to verify the resource utilization using GANTT chart.
Objectives	<p>Upon completion of this course you will be able to perform:</p> <ul style="list-style-type: none"> - Process Planning - System Planning - Resource Planning - Line Balancing
Prerequisites	Students attending this course should be familiar with V6 basics and Manufacturing Planning
Available Online	Yes



	DELMIA Custom Time Analysis Essentials (CTA)
Course Code	DEL-en-CTA-F-V6R110
Available Release	V6R2011
Duration	24 hours
Course Material	English
Level	Fundamental
Audience	Process Planners, System Planners, and Resource Planners
Description	This course will teach you to create time analysis for various operations in a manufacturing system. You will learn to attach an existing time analysis and delete any, if required. Then, you calculate the total time for the operation. Later, you will learn to create a datacard and include it in the particular datacard group. You will also learn to import and export datacards.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create, Edit, Attach, and delete Time Analysis - Create, Edit, Import, Export, and delete datacards
Prerequisites	Students attending this course should have knowledge of V6 basics and System Planning
Available Online	Yes



	DELMIA Live Assembly Essentials (LAS)
Course Code	DEL-en-LAS-F-V6R120
Available Release	V6R2012
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	Assembly Planners, Engineers, Process Planners
Description	This course will teach you how to organize the assembly process structure, create operations, and simulate your operations. This course deals with defining assembly and simulating part motions for assembly, maintainability, and manufacturing. It also teaches you to report the design change impact.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Organize the assembly process structure - Define the status of assemblies and parts to prepare manufacturing production plans - Create operations that show the tracks for assembly or disassembly of parts in a product - Visualize the sequence of Mount and Unmount operations - Simulate the operations - Report design change impacts
Prerequisites	Students attending this course should be familiar with Assembly Planning and the V6 fundamentals.
Available Online	Yes



	DELMIA Process Planning Essentials (PPG)
Course Code	DEL-en-PPG-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	16 hours
Course Material	English
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 Production System Simulation Essentials (PSS)
Course Code	DEL-en-PSS-F-V6R110
Available Release	V6R2011
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Production Planners
Description	This course will teach you how to simulate and analyze complex production systems with uncertainty and time variability. It also helps you to study the dynamic behavior of the production system and its logistics and also helps to evaluate its performance. This course explains in detail how to define the model of the production system, simulate what-if scenarios, and monitor the state of the various systems during the simulation.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Define the system structure - Review the system, its operations, and the animated flow of products - Simulate the system operation and product flow over multiple cycles - View and monitor the system state during simulation - View the simulation results in charts and tables
Prerequisites	Students attending this course should know the basics of DELMIA V6
Available Online	Yes



	DELMIA Resource Planning Essentials (RPG)
Course Code	DEL-en-RPG-F-V6R110
Available Releases	V6R2010x , V6R2011
Duration	12 hours
Course Material	English
Level	Fundamental
Audience	Manufacturing Planners
Description	This course teaches you the generic capabilities of DELMIA Resource Planning for logical resource management, manual line balancing, and layout planning in a factory.
Objectives	<p>Upon completion of this course you will be able to author:</p> <ul style="list-style-type: none"> - Links to processes - Constraints between systems - System behavior with resource activities - System topology
Prerequisites	Students attending this course should be familiar with V6 basics and DELMIA Process Planning.
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	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.
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	Students attending this course should know the basics of DELMIA V6, and be familiar with Device Kinematics, and Robotics concepts.
Available Online	Yes



	DELMIA NC Machine Builder Essentials (NMB)
Course Code	DEL-en-NMB-F-V6R111
Available Releases	V6R2011 , V6R2011x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Design Engineers, Machine Tool Builders
Description	DELMIA NC Machine Builder course will teach you how to create a solid foundation to create different machines tools. Initially, you will learn understand the different types of Machines. Then, you will learn to build kinematics for the assemblies of Milling Machine, Interchangeable Head, Mill-turn Machine, and Machine Accessory. Finally, you will learn to create machines using the assemblies with kinematics.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Understand different types of Machines - Build Machine Kinematics - Create Machines Resources
Prerequisites	Students attending this course should know the basics of DELMIA V6, and be familiar with Machine Kinematics, and Machining concepts
Available Online	Yes



	DELMIA Resource Layout Essentials (RLT)
Course Code	DEL-en-RLT-F-V6R110
Available Release	V6R2011
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Simulation, Industrial or Mechanical Engineers.
Description	This course will teach you how to use the capabilities of DELMIA Resource Layout for Logical Resource Management, Manual Line Balancing, and Layout Planning in a factory. You will learn how to define and validate shop floor layouts that are useful for Process Planners to further improve their shop floor process plans.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Define shop floor layouts - Validate shop floor layouts - Define resource hierarchies - Import existing 2D drawings and blueprints and create accurate 3D layouts
Prerequisites	Students attending this course should be familiar with V6 basics and DELMIA Resource Planning.
Available Online	Yes



DELMIA

DELMIA Program and Control Engineering V6



	DELMIA Ergonomic Evaluation Essentials (EGE)
Course Code	DEL-en-EGE-F-V6R101
Available Release	V6R2010x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Ergonomic Engineers
Description	This course will teach you how to create and manipulate ergonomically accurate digital human manikins. Creating a digital human manikin in a simulated 3D working environment provides you the ability to evaluate the human physical interactions that can occur on a typical shop floor within any working environment. Using the DELMIA V6 Ergonomic Evaluation tool, you can customize this environment so that it represents your own particular plant layout.
Objectives	Create and insert manikins - Perform an ergonomic analysis of the manikins
Prerequisites	Students attending this course should have knowledge of Windows Operating system, mechanical engineering, and ergonomics.
Available Online	Yes



	DELMIA Ergonomics Analysis Essentials (EGA)
Course Code	DEL-en-EGA-F-V6R110
Available Release	V6R2011
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Ergonomics Engineers
Description	This course will teach you how to use the DELMIA Ergonomics Analysis product to create and manipulate ergonomically accurate digital human mannequins in a simulated 3D working environment. You will learn to customize the environment for your plant layout using the analysis tools. You will also learn how to use the analysis tools to optimize the ergonomic settings.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create and insert mannequins into a 3D environment - Perform an ergonomic analysis of the mannequins - Optimize the ergonomic settings based on the analysis test results
Prerequisites	Students attending this course should be familiar with the Windows Operating System, Mechanical Engineering and Ergonomics
Available Online	Yes



	DELMIA Ergonomics Task Definition Essentials (ETD)
Course Code	DEL-en-ETD-F-V6R110
Available Release	V6R2011
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Engineers with an Ergonomics background
Description	This course will teach you how to use the DELMIA Ergonomics Task Definition product to create and manipulate ergonomically accurate digital human mannequins in a simulated 3D working environment. You will learn to customize the environment for your plant layout using the analysis tools. You will use the Live Simulation environment in which to create tasks and activities such as Get and Put, and you will create skill activities and apply them to the manikins.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create and insert manikins into a 3D environment using the Live Simulation tool. - Create tasks, macro activities, and skill activities and apply them to the manikins.
Prerequisites	Students attending this course should be familiar with the Windows Operating System, Mechanical Engineering and DELMIA Ergonomics Evaluation.
Available Online	Yes



	DELMIA Prismatic Machining Fundamentals (MTMF)
Course Code	DEL-en-MTMF-F-V6R120
Available Release	V6R2012
Duration	24 hours
Course Material	English
Level	Fundamental
Audience	Manufacturing Users (NC Programmers)
Description	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.
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 - Generate NC Output
Prerequisites	Students attending this course should have basic machining knowledge
Available Online	Yes



	DELMIA Smart Device Builder Essentials (SDB)
Course Code	DEL-en-SDB-F-V6R110
Available Release	V6R2011
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Simulation, Industrial or Mechanical Engineers.
Description	This course will teach you how to build and simulate the behavior of a production system such as machine centers or manufacturing stations. This simulation can include the connection to the real logic controller of the production system. You will also learn how to add control logic to a device, create ports, add steps, actions, and transitions in the System and Device Designer workbench.
Objectives	Create Device Logic - Simulate Smart Device
Prerequisites	Students attending this course should have the knowledge of DELMIA V6, Mechanical Engineering
Available Online	Yes



ENOVIA
ENOVIA Global Sourcing V6



	ENOVIA Sourcing Central Essentials (SRC)
Course Code	ENOV-en-SRC-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
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 (RFQs) - 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-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
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 Administrator and System Administrator personnel who will be responsible for maintaining the ENOVIA Supplier Central 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 buyer companies??? supply processes - Manage and maintain the supplier company 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-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	4 hours
Course Material	English
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 an ENOVIA 3DLive session - Connect to your company's database - 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



	ENOVIA 3DLive Essentials (LIV)
	<ul style="list-style-type: none">- 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-V6R120
Available Releases	V6R2011 , V6R2011x , V6R2012
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Compliance Engineers, Senior Compliance Engineers, and Supplier Representatives.
Description	This is a process-based course that uses an industrial scenario to teach you how to use ENOVIA Material Compliance Central. You will learn how to create and manage materials, substances, and material declarations required for designing 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, and 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 analysis - Collaborate with suppliers - Create the Material Declaration - Create compliance reports
Prerequisites	There are no prerequisites for this course.
Available Online	Yes



	ENOVIA Program Central Essentials (PRG)
Course Code	ENOV-en-PRG-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Project Managers, Project Members, and Reviewers.
Description	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.
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
Prerequisites	There are no prerequisites for this course.
Available Online	Yes



	ENOVIA Requirements Central Essentials (RMT)
Course Code	ENOV-en-RMT-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	System Engineers, People defining Product Requirements, Product Manages, Product Developers, Product Testers
Description	This course teaches you how to create and maintain requirements to propose changes in hardware and software products. You will learn how to capture and import requirements from an external specification, work with traceability reports related to requirement specifications, and manage decisions made about proposed requirements. You will also learn how to perform various functions associated to the management of requirements, such as defining and modifying tasks, and promoting tasks 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"> - Create Product Lines, Models, and Products - Capture the requirements from an MS Word requirement specification document into the ENOVIA database - Connect the captured requirements to a model - Commit the Candidate Product Requirements to a Product - Create Decomposed and Derived requirements - Create test plans to verify that the technical solution meets the requirements - Create hardware and software builds for the product revision - Revise a released requirement using an Engineering Change
Prerequisites	There are no prerequisites for this course.
Available Online	Yes



	ENOVIA Variant Configuration Central Essentials (FTR)
Course Code	ENOV-en-FTR-F-V6R110
Available Release	V6R2011
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Product Managers, System Engineers, Software Engineers
Description	This course will teach you how to use the ENOVIA Business Process Application. You will learn how to manage complex products across global value chains of employees, customers, suppliers, and partners from marketing to product management and systems engineering to design and test.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Create a Product Line with a library of marketing features and marketing-related configuration rules - Create a technical feature structure for the base product with technical-related configuration rules - Create Design and Product Variants for the base product - Connect GBOM parts to the technical and manufacturing features on the base product - Review and release the base product and its product variants - Create product configurations from product variants - Generate Precise BOM and Engineering BOM for product configurations - Create test plans to verify that the product configuration satisfies the product requirements
Prerequisites	Students should have attended the ENOVIA V6 Getting Started course
Available Online	Yes



ENOVIA

ENOVIA Installation & Administration V6



	ENOVIA V6 Architecture Essentials (V6AC)
Course Code	ENOV-en-V6AC-F-V6R120
Available Releases	V6R2011 , V6R2011x , V6R2012
Duration	4 hours
Course Material	English
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 Configuration Essentials (V6CF)
Course Code	ENOV-en-V6CF-F-V6R110
Available Release	V6R2011
Duration	4 days
Course Material	English
Level	Fundamental
Audience	ENOVIA Administrators, System Administrators, Developers, Architects
Description	<p>This course will teach you on how to configure of ENOVIA V6 to support User Interface modification based on new Data Model definition and Security rules. You will learn, along a process, how to extend ENOVIA data model. Also, you will understand the Client customization aspects such as object naming, Icon masks, Compass. The course will also introduce to the business administration concepts of ENOVIA V6, to define the business modelling schema. You will learn to define the people & organization and define the security and lifecycle for the business objects. Lastly, you will understand, in brief, how to declare and launch triggers using the programming concepts.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Extend the existing data model using the DMC tool - Configure the V6 clients??? interface - Define and implement the P&O - Define the security and lifecycle of business objects in ENOVIA - Understand how to declare and launch Triggers - Define the V6 configuration process
Prerequisites	<ul style="list-style-type: none"> - ENOVIA V6 Architecture - Basic understanding of ENOVIA CBP business administration - ENOVIA VPM Central knowledge
Available Online	Yes



	ENOVIA V6 Installation for DB2 and Tomcat Environment (IDT)
Course Code	ENOV-en-IDT-F-V6R120
Available Releases	V6R2011 , V6R2011x , V6R2012
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	ENOVIA Administrators, Database Administrators
Description	This course will teach you the basics of ENOVIA V6 installation and administration. It will also teach you the architecture and underlying principles for a successful ENOVIA V6 installation. You will learn about the prerequisites and how to install them. In addition you will learn how to install the complete ENOVIA V6 environment for single site deployment in 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. - 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-V6R120
Available Releases	V6R2011 , V6R2011x , V6R2012
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	ENOVIA Administrators, Database Administrators
Description	This course will teach you the basics of ENOVIA V6 installation and administration. It will also teach you the architecture and underlying principles for a successful ENOVIA V6 installation. You will learn about the prerequisites and how to install them. In addition you will learn how to install the complete ENOVIA V6 environment for single site deployment in 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 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. - 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-V6R120
Available Releases	V6R2011 , V6R2011x , V6R2012
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	ENOVIA Administrators, Database Administrators
Description	This course will teach you the basics of ENOVIA V6 installation and administration. It will also teach you the architecture and underlying principles for a successful ENOVIA V6 installation. You will learn about the prerequisites and how to install them. In addition you will learn how to install the complete ENOVIA V6 environment for single site deployment in 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. - 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. - They should know ORACLE database basics, and Application Server concepts and deployment.
Available Online	Yes



	ENOVIA V6 Installation for Oracle and WebSphere Environment (IOW)
Course Code	ENOV-en-IOW-F-V6R120
Available Releases	V6R2011 , V6R2011x , V6R2012
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	ENOVIA Administrators, Database Administrators
Description	This course will teach you the basics of ENOVIA V6 installation and administration. It will also teach you the architecture and underlying principles for a successful ENOVIA V6 installation. You will learn about the prerequisites and how to install them. In addition you will learn how to install the complete ENOVIA V6 environment for single site deployment in 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. - 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. - They should know ORACLE database basics, and Application Server concepts and deployment.
Available Online	Yes



	V6 PLM Express Installation and Administration (V6AX)
Course Code	ENOV-en-V6AX-F-V6R120
Available Releases	V6R2011 , V6R2011x , V6R2012
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 IP Lifecycle Management V6



	ENOVIA Designer Central for CATIA V5 Essentials (DC5)
Course Code	ENOV-en-DC5-F-V6R120
Available Releases	V6R2011 , V6R2011x , V6R2012
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"> - Store and retrieve CATIA files in ENOVIA - Create new Components, Drawings, and Bills of Material - Review and release the CAD models - Modify the existing designs and create new revisions
Prerequisites	Students attending this course should know the basics of CATIA V5 and must be familiar with ENOVIA Engineering Central.
Available Online	Yes



	ENOVIA Engineering Central Essentials (ENG)
Course Code	ENOV-en-ENG-F-V6R120
Available Releases	V6R2011 , V6R2011x , V6R2012
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Design Engineers, Senior Design Engineers, Manufacturing Engineers, Senior Manufacturing Engineers, 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 and assign the effectivities.
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 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-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
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 part libraries, document libraries, and general libraries, and manage parts and documents using these. You can learn how to store, manage, and access documents and other files within and across 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 structures - Define the access to folders and their associated documents - Understand the Common Document Management (CDM) concept - Understand the Common Profile Management concept
Prerequisites	There are no prerequisites for this course.
Available Online	Yes



	ENOVIA VPM Central Essentials (VPM)
Course Code	ENOV-en-VPM-F-V6R120
Available Releases	V6R2011 , V6R2011x , V6R2012
Duration	8 Hours
Course Material	English
Level	Fundamental
Audience	<ul style="list-style-type: none"> - - 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 - 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 knowledge of ENOVIA Engineering Central and ENOVIA Variant Configuration Central
Available Online	Yes



ENOVIA
ENOVIA Programming V6



	Building Applications Using Configurable Components (MGC)
Course Code	ENOV-en-MGC-F-V6R101
Available Release	V6R2010x
Duration	32 Hours
Course Material	English
Level	Fundamental
Audience	Business Administrators and Developers who are responsible for customizing and maintaining ENOVIA???'s applications or who are creating their own applications using the AEF
Description	This course teaches you how to build and customize an application using the Application Exchange Framework (AEF). The AEF provides the foundation for the ENOVIA Business Process Applications and is installed as part of ENOVIA Live Business Process Services
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Understand the components of the AEF - Modify the login and system properties files - Build an ENOVIA application based on the UI Configurable Components (AEF Dynamic User Interface) - Configure automatic business rules (triggers) and automatic object naming - Customize the application presentation using style sheets - Create and deploy ENOVIA Portlets - Internationalize the application - Attach context-specific Help Documentation
Prerequisites	<ul style="list-style-type: none"> - * Unified Live Collaboration (Studio Modeling Platform) - * Extending the Business Model using Programming (MQL/ Tcl) - * Developing ENOVIA JSP Applications using Studio Customization Toolkit
Available Online	Yes



	<h2>Developing ENOVIA JSP Applications using Studio Customization Toolkit (MGA)</h2>
Course Code	ENOV-en-MGA-F-V6R101
Available Release	V6R2010x
Duration	32 Hours
Course Material	English
Level	Fundamental
Audience	<ul style="list-style-type: none"> - * Business Administrators - * System Administrators - * Java Developers
Description	<p>This hands-on intensive course prepares application developers to create and deliver customized ENOVIA V6 applications over the Web using the latest Java technology.</p>
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Use the ADK/JSP to create secure ENOVIA Web applications - Create, Modify and Display business objects, selectables, basic properties, histories, and attributes - Navigate business objects using expand select - Build an MQL command editor and Execute MQL/Tcl programs - Execute business wizards - Create and use JPO for ENOVIA triggers and methods - Create an ENOVIA Web Service
Prerequisites	<ul style="list-style-type: none"> - * Extending the Business Model with Programming (MQL/Tcl) - * Java or C++ (OOP) - * Knowledge of HTML (Hypertext Markup Language)
Available Online	Yes



ENOVIA
ENOVIA Unified Live Collaboration V6



	ENOVIA Business Process Services (MIA)
Course Code	ENOV-en-MIA-F-V6R120
Available Releases	V6R2011x , V6R2012
Duration	8 Hours
Course Material	English
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 Application Exchange Framework (AEF) - 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-V6R120
Available Releases	V6R2011x , V6R2012
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Business Administrators, System Administrators and Implementers
Description	This course will introduce you to the basic concepts of schema creation through the use of the thick-client Business Modeler application. It will also introduce Matrix Query Language.
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 the ENOVIA Collaboration Platform (MIN)
Course Code	ENOV-en-MIN-F-V6R120
Available Releases	V6R2011x , V6R2012
Duration	8 hours
Course Material	English
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



ENOVIA

Introduction to ENOVIA V6



	<h2>Getting Started with ENOVIA for Implementers (GS6)</h2>
Course Code	ENOV-en-GS6-F-V6R120
Available Releases	V6R2011 , V6R2011x , V6R2012
Duration	8 hours
Course Material	English
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. The course also contains assessments at the end of each lesson to test what you have learned, and an interactive simulation to help you become familiar with the ENOVIA V6 user interface.</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 DS 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 - 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



	Getting Started with ENOVIA for Implementers (GS6)
Prerequisites	There are no prerequisites for this course.
Available Online	Yes



SIMULIA
CATIA Analysis V6



	CATIA Structural Analysis Fundamentals (V6AF)
Course Code	CAT-en-V6AF-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	12 hours
Course Material	English
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	CAT-en-V6AT-F-V6R120
Available Releases	V6R2010x , V6R2011 , V6R2011x , V6R2012
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Designers, Analysts
Description	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)
Objectives	<p>Import existing CATIA V5 data and store in V6</p> <ul style="list-style-type: none"> - 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