

DS University
COURSE CATALOG



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3DVIA

3DVIA Explain



	3DVIA Composer Essentials (CPS)
Course Code	3DVIA-en-CPS-F-V6R121
Available Release	V6R2012x
Duration	20 hours
Course Material	English
Level	Fundamental
Audience	Technical Illustrators, Technical Support / Sales Engineers, Sales Demonstrators
Description	This course will teach you how to work with a 3d model using 3DVIA Composer to capture its views, add annotations, and change its rendering. You will learn how to create technical illustrations and high resolution images. You will also learn how to create animations; publish and share the content.
Objectives	<p>Upon completion of this course, you will be able to:</p> <ul style="list-style-type: none"> - Open and navigate in a model using 3DVIA Composer - Capture views of the model - Enhance the model by adding annotations and changing its rendering - Create technical illustrations - Create high resolution images - Create animations - Publish and share the 3DVIA Composer content
Prerequisites	Students attending this course should be familiar with the Windows Operating System.
Available Online	Yes



CATIA
CATIA Equipments V6



	CATIA 3D Electrical Design Essentials (EHD)
Course Code	CAT-en-EHD-F-V6R121
Available Release	V6R2012x
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 V5 to V6 Electrical Transition (V6VET)
Course Code	CAT-en-V6VET-F-V6R121
Available Release	V6R2012x
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 Electrical Design in CATIA V5.
Available Online	Yes



CATIA

CATIA Mechanical V6



	CATIA Fabricated Part Design Essentials (FPD)
Course Code	CAT-en-FPD-F-V6R121
Available Release	V6R2012x
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 Live Shape Essentials (LSE)
Course Code	CAT-en-LSE-F-V6R121
Available Release	V6R2012x
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 know the fundamentals of CATIA V6 Mechanical and Shape. - They should also be familiar with the Microsoft Windows operating system.
Available Online	Yes



	CATIA Mechanism Simulation Essentials (MSI)
Course Code	CAT-en-MSI-F-V6R121
Available Release	V6R2012x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Engineers
Description	This course will teach you to simulate a mechanism. You will learn how to complete and animate a mechanism, then learn how to define behavior by manually recording an animation and by using laws. You will learn how to include analysis of measurements, interferences, speeds and accelerations. Finally, you will learn how to generate traces, swept volumes and snapshots which can be used when reviewing the simulation results.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Complete and animate a mechanism architecture - Create a new mechanism from existing sub-mechanisms - Include dress-up components to complete the mechanism - Create a scenario manually or by using laws - Include measurement and interference analyses - Generate results - Create snapshots for review - Export the final simulation
Prerequisites	Students attending this course should have attended the CATIA V6 Mechanical Design Fundamentals course.
Available Online	Yes



	CATIA Mold Tooling Essentials (MOT)
Course Code	CAT-en-MOT-F-V6R121
Available Release	V6R2012x
Duration	4 hours
Course Material	English
Level	Fundamental
Audience	Mold Tooling Designers
Description	
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Prepare a Mold Tooling catalog. - Create a Molded Part from a Design Part. - Create an Insert Unit / Layout Unit. - Create a completely equipped Mold Tool. - Modify the Molded Part and update the Mold Tool.
Prerequisites	Students should be familiar with the CATIA V6 Fundamentals and CATIA V6 Advanced courses.
Available Online	Yes



	CATIA Plastic Part Design Essentials (PPD)
Course Code	CAT-en-PPD-F-V6R121
Available Release	V6R2012x
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-V6R121
Available Release	V6R2012x
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 Mechanical Design Advanced (V6E)
Course Code	CAT-en-V6E-A-V6R121
Available Release	V6R2012x
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-V6R121
Available Release	V6R2012x
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 Imagine and Shape Essentials (IMS)
Course Code	CAT-en-IMS-F-V6R121
Available Release	V6R2012x
Duration	16 hours
Course Material	English
Level	Fundamental
Audience	Shape Designers, Product Stylists, and Industrial Designers
Description	This course will teach you how to use the CATIA V6 Imagine and Shape workbench to create, modify, and improve product shapes and styles. You will learn how to use the Freestyle Sketch Tracer workbench to import stylist's images in V6. You will also learn how to use the Real Time Rendering workbench to create an environment around a model and render it.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Import and position sketches in CATIA V6 - Create subdivision surfaces using tools specific to the Imagine and Shape workbench - Modify the style surfaces using Shape Design tools - Create the required environment around a model - Apply materials, textures, and 3D textures to your models
Prerequisites	Students attending this course should be familiar with the fundamentals of CATIA V6 Mechanical and Shape.
Available Online	Yes



	CATIA V5 to V6 Mechanical Surface Design Transition (V6ST)
Course Code	CAT-en-V6ST-F-V6R121
Available Release	V6R2012x
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-V6R121
Available Release	V6R2012x
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 FreeStyle and Generative Shape Design workbenches to create quality curves and surfaces. You will learn how to analyze the wireframe and surface quality, and rectify the detected defects. You will also learn how to work in a multi-model environment with published surfaces.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Understand and use the FreeStyle and Generative Shape Design 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 Systems Architecture Design Essentials (SAR)
Course Code	CAT-en-SAR-F-V6R121
Available Release	V6R2012x
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 Logical 3D Architecture Essentials (TDS)
Course Code	CAT-en-TDS-F-V6R121
Available Release	V6R2012x
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 (ELS)
Course Code	CAT-en-ELS-F-V6R121
Available Release	V6R2012x
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 - Create Logical Fluidic Systems
Prerequisites	<p>Students attending this course should have taken the CATIA Mechanical Design Fundamentals and Introduction to Systems Engineering courses. They should also understand Electrical and Piping Design.</p>
Available Online	Yes



	Introduction to Systems Engineering (RFLP)
Course Code	CAT-en-RFLP-F-V6R121
Available Release	V6R2012x
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 be familiar with System Engineering.
Available Online	Yes



DELMIA

DELMIA Manufacturing Planning V6



	DELMIA Process Planning Essentials (PRP)
Course Code	DEL-en-PRP-F-V6R121
Available Release	V6R2012x
Duration	20 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Designers, Industrial Engineers, Simulation 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. This course will also teach you how to create a layout design for a manufacturing plant and how to use the resources. You will also learn how to balance resources as per operations.
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 - Add resources and position them - Balance the resources for their effective utilization
Prerequisites	Students attending this course should be familiar with V6 Fundamentals, Mechanical Design, and the Windows Operating System.
Available Online	Yes



ENOVIA

ENOVIA Global Sourcing V6



	ENOVIA Sourcing Central Essentials (SRC)
Course Code	ENOV-en-SRC-F-V6R121
Available Release	V6R2012x
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-V6R121
Available Release	V6R2012x
Duration	8 hours
Course Material	English
Level	Fundamental
Audience	<ul style="list-style-type: none"> - Quality Engineers who manage the Part Quality Plan and Supplier Development Plans - Supplier Representatives associated with the buying organization either as partners or vendors - Buyer Administrators and System Administrators who maintain the application
Description	This course will teach you how to use the ENOVIA business application developed for managing your suppliers of parts. You will also learn how Purchasing and Engineering department personnel procure manufactured and raw material goods from suppliers.
Objectives	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> - Manage 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-V6R121
Available Release	V6R2012x
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-V6R121
Available Release	V6R2012x
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-V6R121
Available Release	V6R2012x
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

ENOVIA IP Lifecycle Management V6



	ENOVIA Designer Central for CATIA V5 Essentials (DC5)
Course Code	ENOV-en-DC5-F-V6R121
Available Release	V6R2012x
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 - Understand the new Embedded Integration
Prerequisites	<p>Students attending this course should know the basics of CATIA V5 and must be familiar with ENOVIA Engineering Central.</p>
Available Online	Yes



	ENOVIA Engineering Central Essentials (ENG)
Course Code	ENOV-en-ENG-F-V6R121
Available Release	V6R2012x
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 a 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-V6R121
Available Release	V6R2012x
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-V6R121
Available Release	V6R2012x
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



SIMULIA
CATIA Analysis V6



	CATIA Structural Analysis Fundamentals (V6AF)
Course Code	CAT-en-V6AF-F-V6R121
Available Release	V6R2012x
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-V6R121
Available Release	V6R2012x
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