

# LEARNING EXPERIENCES LIBRARIES ACCELERATE 3DEXPERIENCE® ADOPTION BOOST YOUR RETURN ON INVESTMENT

3DEXPERIENCE R2024x Catalog

**3DEXPERIENCE** Edu is offering companies nine Learning Experience Libraries to enable their teams to become proficient in their **3DEXPERIENCE** roles in no time and get certified!

# WHAT'S INVOLVED?

It's all about **3DEXPERIENCE** Edu Space ([eduspace.3ds.com](https://eduspace.3ds.com)), an online learning portal created by Dassault Systèmes to deliver learning content to companies and individuals.

**All our content is available through the following nine amazing Learning Experiences Libraries!**

## 3DEXPERIENCE COLLABORATIVE INNOVATION

Take advantage of the **3DEXPERIENCE** platform to design and oversee the most innovative, web-based projects. Reduce resource and project costs, connect people and data to foster creative design and innovation.



## 3DEXPERIENCE WORKS

Get the most of the **3DEXPERIENCE** platform to develop expertise on selected solutions across domains such as Collaboration, Design, Simulation and Manufacturing.



## DESIGN/ENGINEERING

Apply the latest Design & Engineering practices to produce the most innovative products and experiences even faster, as part of a seamless workflow.



## SIMULATION

Gain simulation expertise to improve product performance while reducing risks and costs.



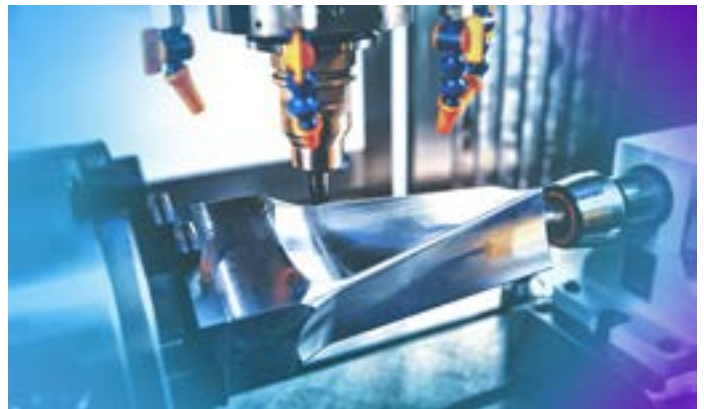
## VIRTUAL PLANET

Let's discover Virtual Planet library! Having access to the entire Virtual Planet library enables you create great experiences in **3DEXPERIENCE** City!



## MANUFACTURING/ PRODUCTION

Great products start with great designs, but even the most innovative ideas will fail if they can't be manufactured efficiently. Gain the right skills to succeed in navigating the digital manufacturing transformation.



## GOVERNANCE/LIFECYCLE

Learn how to accelerate cross-team collaboration and product development in a fully connected on-line environment where a single, shared product definition ensures teams are always seeing and working on up-to-date information.



## BUSINESS ANALYTICS

Leverage the power of data science to run modern enterprises while becoming a data-driven organization.



## MARKETING/SALES

Illustrate & promote products in high-end 3D from any browser at any time.



**THE  
CHOICE IS  
YOURS!**

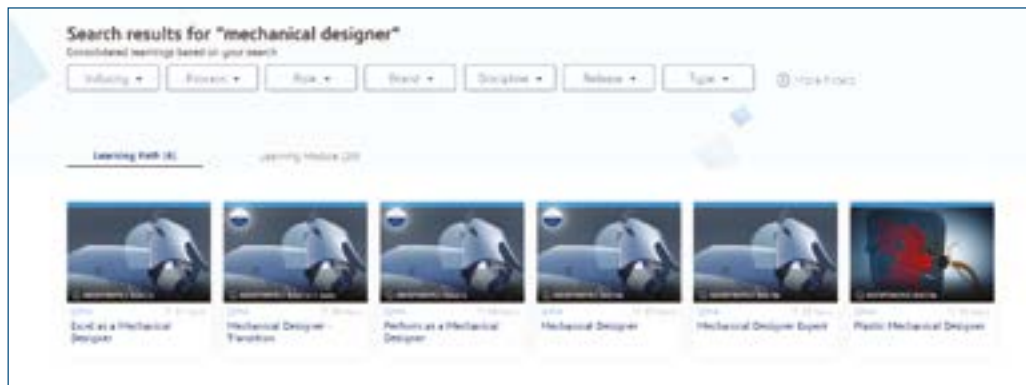
# HOW DOES IT WORK?

## IT COULDN'T BE SIMPLER. YOU GET ACCESS TO OUR NINE LIBRARIES.

- 3DEXPERIENCE Collaborative Innovation
- 3DEXPERIENCE Works
- Design/Engineering
- Simulation
- Virtual Planet
- Manufacturing/Production
- Governance/Lifecycle
- Business Analytics
- Marketing/Sales

Each library is composed of courses and learning paths designed just for you:

Tips and tricks: a learning path always starts with “Perform as a...”, because we want you to perform!

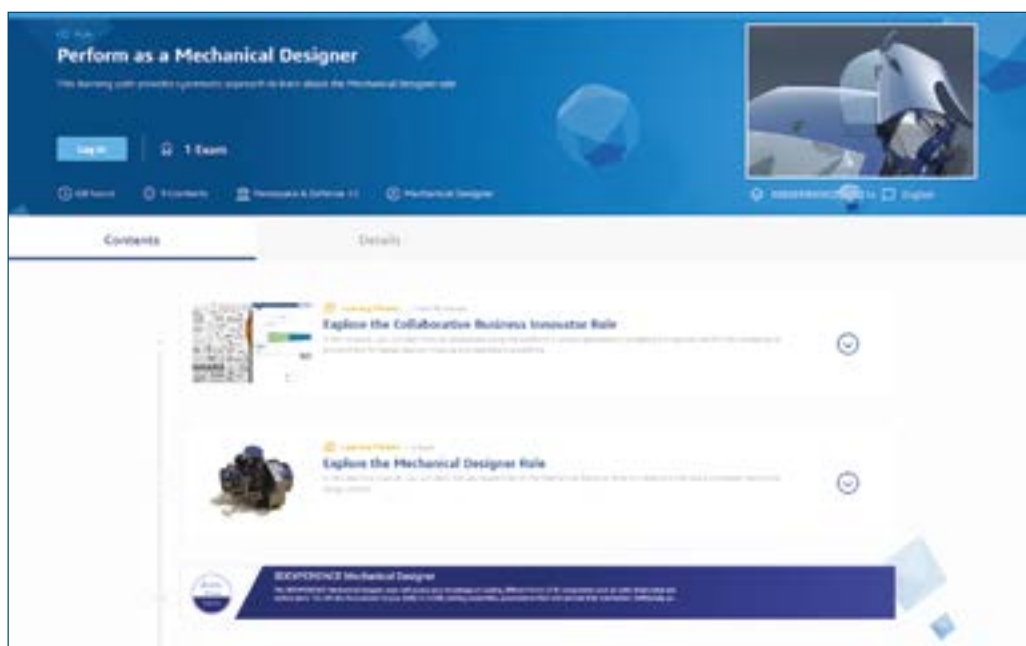


A learning path allows you to quickly understand the value of the 3DEXPERIENCE roles you selected.

It's composed of two types of learning modules:

- Explore: Get guidance on how to quickly become proficient in the corresponding 3DEXPERIENCE role and practice your newly gained skills. EXPLORE modules are recommended for self-paced learning.
- Practice: Take a deep dive into the learning module with hands-on activities. PRACTICE modules are also recommended for instructor-led training.

Now you're all set to perform as a mechanical designer, change manager, 3D product architect or whatever you choose!

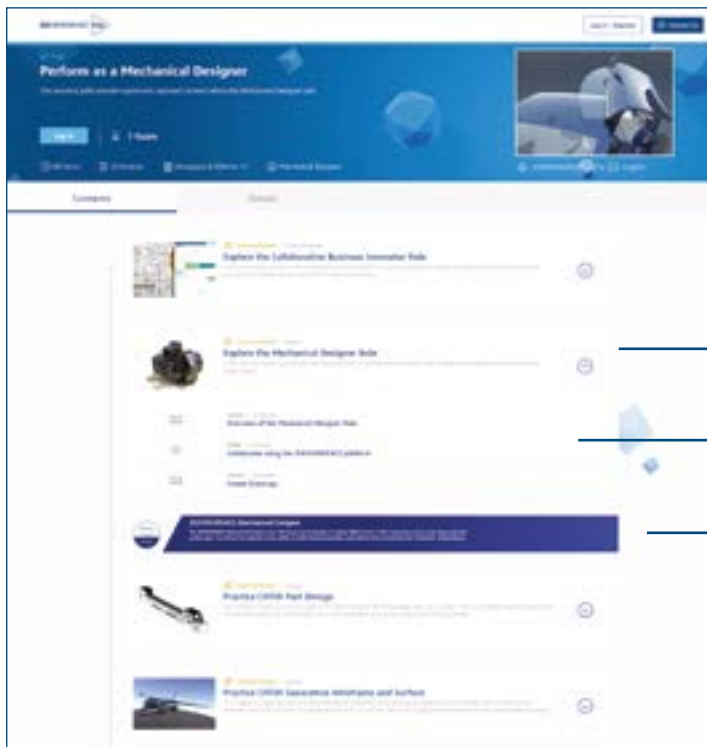


Associate Certifications attest to the acquisition of knowledge and skills during learning activities.

They are embedded in the Learning Paths. Obtain Associate Digital Badges for your employees – recognized credentials that will help them enhance their professional profile, including on social networks!



## CHECK OUT HOW WELL IT'S STRUCTURED:



● Learning Path (to deliver curricula)  
*Days*

● Learning Module (to deliver courses)  
*Hours*

● Learning Object (to deliver activities)  
*Minutes*

● Certification

LEARNING  
DESIGNED JUST  
FOR YOU!



### Main benefits of each library:

- Gain key skills in industry best practices at your own pace.
- Learn-by-doing.
- Access to a progressive e-learning offer, from short interactive courses to technical deep dives.
- Shorten your training time and learn anywhere, anytime.
- Fast self-proctored certification.
- All at a very affordable subscription cost!

# DISCOVER THE NINE LIBRARIES FOR COMPANIES

If you want to explore the up-to-date content of each library in detail, go directly to [eduspace.3ds.com](https://eduspace.3ds.com) and Explore the Learning Experiences by Domain. You don't need to be logged on to see the content overview!

## LEARNING EXPERIENCE FOR COLLABORATIVE INNOVATION (CILX-OC)

Ramp up faster than ever with the **3DEXPERIENCE** Collaborative Innovation library that will allow you to skill up on entry-level cloud roles and boost your team's collaborative spirit!

Take advantage of the **3DEXPERIENCE** platform to design and oversee the most innovative, web-based projects. Reduce resource and project costs, and connect people and data to foster creative design and innovation.

You'll quickly be empowered to become:

- Top Collaborative Business Innovators and Project Planners
- Best-in-breed 3D Creators and 3D Sculptors
- World-class 3D Innovators!

The following **3DEXPERIENCE** roles are covered in this library:

Role Code	Role Name	Learning Path	Learning Module	Certification
CXD	3D Innovator	●	●	●
IFW	Collaborative Business Innovator	●	●	●
LTR	Lean Team Player	●	●	●
WXD	3D Creator	●	●	●
XFO	3D Sculptor	●	●	●
XPP	Project Planner	●	●	●

For example, in the LTR Lean Team Player role you'll find a Learning Path and a collection of Learning Modules:

LEAN TEAM PLAYER (LTR)	
Type	Title
Learning Path	Lean Manufacturing – Associate
Learning module	Explore the 3DSwymer Role
Learning module	Explore the Collaborative Business Innovator Role
Learning module	Lean Management at the Heart of the Industry Renaissance
Learning module	Understand Lean Fundamentals
Learning module	Understand Lean Transformation Methodology
Learning module	Explore the Lean Team Player Role
Learning module	Explore the Lean Team Player Role for Transformation
Certification	<b>3DEXPERIENCE</b> Lean Team Player – Associate

YOU'LL BECOME A  
WORLD-CLASS  
3D INNOVATOR!



## LEARNING EXPERIENCE FOR 3DEXPERIENCE WORKS (WKLX-OC)

The **3DEXPERIENCE** platform is a secure, collaborative, one-stop-shop for everyone in the Design and Manufacturing eco-system. Gain a competitive advantage with the **3DEXPERIENCE WORKS** cross-domain library today!

Access powerful Learning Experiences that enable you to transform the way you bring products to market and create differentiated customer experiences. **3DEXPERIENCE WORKS** connects your development process from design through manufacturing to customer engagement in one interactive and collaborative environment. Learn how to collaborate, design and manage your products with **3DEXPERIENCE WORKS** library.

The following **3DEXPERIENCE** roles are covered in this library:

Role Code	Role Name	Learning Path	Learning Module	Certification
A3D	Additive Manufacturing Engineer		●	
CCM	Classification Manager	●	●	●
CCS	Creative Designer	●	●	●
CHG	Change Manager	●	●	●
CLY	Classification Intelligence Analyst		●	
CSV	Collaborative Industry Innovator		●	●
CSX	Visual Experience Designer	●	●	●
CXD	3D Innovator	●	●	●
DPA	3D Render		●	
DRA	<b>3DEXPERIENCE</b> Draftsight Premium		●	
DRB	<b>3DEXPERIENCE</b> Draftsight Mechanical		●	
EFS	Factory Simulation Engineer		●	●
ELG	Electrical 3D Systems Designer	●	●	●
EMC	Electromagnetics Engineer	●	●	
EQE	Shop Floor Equipment Engineer		●	
EPA	Standard Component Manager		●	
EPU	Preferred Component Consumer		●	
ESX	Electrical Schematic Designer		●	
FGM	Durability and Mechanics Engineer	●	●	
FGP	Durability Performance Engineer	●	●	
FLG	Fluid 3D Systems Designer	●	●	●
FMK	Fluid Dynamics Engineer	●	●	
GDE	Function Driven Generative Designer	●	●	●
IFW	3DSwymer	●	●	●
IME	Plastic Injection Engineer	●	●	
KED	ECO-Design Engineer	●	●	●
LTR	Lean Team Player	●	●	x
MDG	Mechanical Designer	●	●	●
MFN	Manufacturing Items Engineer		●	
MTG	Mold & Tooling Designer		●	
NBA	Social Business Analyst		●	
NMD	NC Mold & Die Programmer	●	●	●
NPM	NC Prismatic Machine Programmer	●	●	●
NSR	NC Shop Floor Programmer		●	●
NTA	NC Mill-Turn Machine Programmer		●	
NTP	NC Prismatic & Mill-Turn Machine Programmer	●	●	●

TRANSFORM THE WAY  
YOU BRING PRODUCTS  
TO MARKET



Role Code	Role Name	Learning Path	Learning Module	Certification
NTT	Cutting Tool Technologist		●	
NTX	NC Milling Machine Programmer	●	●	●
PAU	3D Product Architect	●	●	●
RVN	Robotics Virtual Commissioning Analyst		●	
SDI	Standardization Intelligence Analyst		●	
SEI	Simulation Collaborator	●	●	
SFO	Structural Performance Engineer	●	●	●
SLL	Structural Engineer	●	●	●
SRD	Structural Designer	●	●	●
SSU	Structural Mechanics Engineer	●	●	●
TAD	3D Tolerancing & Annotation Designer	●	●	●
UE5	Collaborative Designer for CATIA V5	●	●	●
UES	Collaborative Designer for SOLIDWORKS	●	●	●
WDR	Drafter		●	
WXD	3D Creator	●	●	●
XBT	3D Sheetmetal Creator		●	
XEN	Product Release Engineer	●	●	●
XFO	3D Sculptor	●	●	●
XGG	3D Pattern Shape Creator		●	
XMB	Product Document Creator		●	
XMD	3D Motion Creator		●	
XMO	3D Mold Creator		●	
XPP	Project Planner	●	●	●
XPR	Product Communicator		●	
XSU	3D Structure Creator		●	
XWC	3DEXPERIENCE SOLIDWORKS Premium	●	●	

For example, in the CHG Change Manager role you'll find a Learning Path and a collection of Learning Modules:

CHANGE MANAGER (CHG)	
Type	Title
Learning path	Perform as a Change Manager
Learning module	Explore the 3DSwymer Role
Learning module	Explore the Collaborative Industry Innovator Role
Learning module	Explore the Change Manager Role
Certification	3DEXPERIENCE Change Manager - Associate
Learning module	Practice ENOVIA Change Action Management
Learning module	Explore the Product Release Engineer Role

## LEARNING EXPERIENCE FOR DESIGN/ENGINEERING (DELX-OC)

Having access to the entire DESIGN/ENGINEERING library enables you to create great products with great designs!

Access Learning Experiences that enable you to acquire:

- Industry-proven practices and the latest know-how in design and engineering.
- **3DEXPERIENCE** platform expertise – from concept to final assembly work concurrently, in one seamlessly integrated and managed environment.

The following **3DEXPERIENCE** roles are covered in this library:

Role Code	Role Name	Learning Path	Learning Module	Certification
AICMA	Airframe Composites Manufacturing Engineer	●	●	●
AICOA	Airframe Composites Designer	●	●	●
AIFAA	Airframe Fastener Engineer		●	
AISSA	Airframe Structural Sizing Engineer		●	
BCMDC	Building Design Engineer		●	
BCMCC	Building and Civil Model Coordinator		●	
BCPRC	Building and Civil Presenter		●	
BCSHC	Building and Civil Systems Schematic Engineer		●	
BOFAT	Body Fastener Designer		●	
BRF	Composites Braiding and Forming Engineer		●	
BSD	Concept Structure Engineer		●	
BUDEC	Building Designer		●	
CCS	Creative Designer	●	●	●
CDD	Product Industrial Designer	●	●	●
CDE	Composites Designer	●	●	●
CDL	Composites Designer & Manufacturer		●	
CDT	Transportation Designer		●	
CIENC	Civil Engineer		●	●
CMF	Composites Manufacturer		●	
CODFI	Composites Designer for Industrial Equipment		●	
COEFT	Composites Engineer for Transportation & Mobility	●	●	●
CODPC	Computational Designer for Construction		●	
COMEI	Composites Manufacturing Engineer for Industrial Equipment		●	
COMET	Composites Manufacturing Engineer for Transportation & Mobility	●	●	●
CSEMO	Composite Structures Engineer for Marine & Offshore	●	●	
CSV	Collaborative Industry Innovator		●	●
CSX	Visual Experience Designer	●	●	●
CXD	3D Innovator	●	●	●
DFR	Stamping Die Designer		●	
DRA	<b>3DEXPERIENCE</b> Draftsight Premium		●	
DRB	<b>3DEXPERIENCE</b> Draftsight Mechanical		●	
DWP	Design Review & Preparation		●	
EL3	Electrical 3D System Engineer		●	
ELD	Electrical Designer		●	

Role Code	Role Name	Learning Path	Learning Module	Certification
ELG	Electrical 3D Systems Designer	●	●	●
ELM	Electrical 3D & Manufacturing Engineer		●	
ESX	Electrical Schematic Designer		●	
FFS	Aesthetical Shape Modeler		●	
FL3	Fluid 3D System Engineer		●	
FLG	Fluid 3D Systems Designer	●	●	●
FPP	Plastic Mechanical Designer		●	
GDE	Function Driven Generative Designer	●	●	●
GDF	Flow Driven Generative Designer		●	
GGR	Visual Script Designer		●	
HYBOT	Hydroformed Body & Chassis Designer		●	
ICD	Style & Class A Modeler		●	
IETET	Interior & Exterior Trim Engineer		●	
IFW	3DSwymer	●	●	●
IND	Industrial Designer		●	
KED	ECO-Design Engineer	●	●	●
KHC	Quality Rules Designer		●	
KP1	Weight and Balance Designer		●	
KPW	Weight and Balance Manager		●	
LAY	Layered Product Designer		●	
M3D	3D Master Designer		●	
M3K	Mechanical Engineer	●	●	●
M3S	Mechanical and Shape Engineer	●	●	●
MAPDA	Machined Part Designer for Aerospace & Defense		●	
MDD	Mechanical Part Designer		●	
MDG	Mechanical Designer	●	●	●
MES	Mechanical & Shape Designer	●	●	●
MKM	Motion designer		●	
MKS	Mechanism Simulation Designer		●	
MMO	Mechanical Motion Designer	●	●	●
MOD	Mold & Compensation Engineer		●	
MTG	Mold & Tooling Designer		●	
PKD	Structural Packaging Designer		●	
PLMEE	Plant Mechanical Designer		●	
PREEH	Product Enclosure Engineer for High Tech		●	
PRMDL	Product Mechanical Designer for Home & Lifestyle		●	
QRU	Quality Rules Content User		●	
ROUDM	3D Routed Systems Designer		●	
RPE	Reverse Engineer	●	●	●
SAT	Systems Architecture Designer		●	
SDY	Dynamic Systems Designer		●	
SEF	Systems Schematic Designer		●	
SGCDL	Consumer Products Composites Designer		●	

Role Code	Role Name	Learning Path	Learning Module	Certification
SGCML	Consumer Products Composites Manufacturing Engineer		●	
SGD	Structural Generative Designer		●	
SHCMM	Composites Manufacturing Engineer for Marine & Offshore		●	
SHCOM	Composites Designer for Marine & Offshore		●	
SHE	Multidiscipline Schematic Designer	●	●	
SHSTM	Structure Designer for Marine & Offshore		●	
SMQ	Mechatronic Systems Designer		●	
SMW	SheetMetal Designer	●	●	●
SNK	Dynamic Systems Engineer	●	●	●
STDEI	Stamping Die Engineer		●	
STEEH	Structural Electronics Engineer for High-Tech		●	
STR	Structure Designer		●	
SUA	Shape Designer		●	
SUM	Mechanical Shape Refinement Designer	●	●	●
SUMFA	Surface Modeler for Aerospace & Defense		●	
SVK	Systems Multi-Views Architect		●	
TAD	3D Tolerancing & Annotation Designer	●	●	●
TER	Templates & Rules Designer	●	●	●
TIC	Systems Schematic Engineer		●	
TRA	Systems Synthesis Designer		●	
TRG	Systems Traceability Engineer		●	
TRY	Systems Traceability Analyst	●	●	●
VEPAT	Vehicle Packaging Designer		●	
VSO	Reverse Shape Optimizer		●	
WDR	Drafter		●	
WXD	3D Creator	●	●	●
XBT	3D Sheetmetal Creator		●	
XFO	3D Sculptor	●	●	●
XGG	3D Pattern Shape Creator		●	
XMB	Product Document Creator		●	
XMD	3D Motion Creator		●	
XMO	3D Mold Creator		●	
XSU	3D Structure Creator		●	
XWC	3DEXPERIENCE SOLIDWORKS Premium	●	●	



THE LATEST KNOW-  
HOW IN DESIGN  
AND ENGINEERING

For example, in the MDG Mechanical Designer role you'll find Learning Paths and a collection of Learning Modules:

MECHANICAL DESIGNER (MDG)	
Type	Title
Learning path	Perform as a Mechanical Designer
Learning path	Excel as a Mechanical Designer
Learning path	Mechanical Designer – Transition
Learning module	Explore the Mechanical Designer Role
Learning module	CATIA Mechanical Design Fundamentals
Learning module	CATIA Mechanical Design Expert
Learning module	Transition to the 3DEXPERIENCE platform for Mechanical Designers
Learning module	Practice CATIA Generative Wireframe and Surface
Learning module	Practice CATIA Surface Design - Added Exercises
Learning module	Practice CATIA Natural Shape
Learning module	Practice CATIA Part Design
Learning module	Master CATIA Part Design
Learning module	Practice CATIA Part Design - Added Exercises
Learning module	Practice CATIA Assembly Design
Learning module	Master CATIA Assembly Design
Learning module	Practice CATIA Assembly Design - Added Exercises
Learning module	Practice CATIA Quality Rules Reuse
Learning module	Practice CATIA Engineering Templates Reuse
Learning module	Practice CATIA Drafting
Learning module	Master CATIA Drafting
Learning module	Practice CATIA Mechanical Systems Design
Learning module	Practice CATIA Natural Assembly
Learning module	Practice CATIA 2D Layout for 3D Design
Learning module	Practice CATIA Bent Part Design
Learning module	Practice CATIA Smart Mechanical Components
Learning module	Practice CATIA Sheet Metal Design
Learning module	Practice CATIA Weld Design
Learning module	Practice ENOVIA Exchanges Management
Learning module	Practice ENOVIA On-The-Go
Learning module	Practice ENOVIA Design Review
Learning module	Practice ENOVIA Collaborative Lifecycle Management
Certification	3DEXPERIENCE Mechanical Designer [hands-on] – Associate

## LEARNING EXPERIENCE FOR SIMULATION (SMLX-OC)

Are you keen to improve product performance while reducing risks and costs? Simulation library enables you to accelerate the evaluation of performance, reliability and safety of materials and products before committing to physical prototypes.

You benefit from cutting-edge technologies, coupled with our Learning Experiences to drive innovation:

- Knowledge and know-how on the latest simulation practices.
- **3DEXPERIENCE** expertise so you can master simulation as part of collaborative engineering.

The following **3DEXPERIENCE** roles are covered in this library:

Role Code	Role Name	Learning Path	Learning Module	Certification
AMF	Additive Manufacturing Analysis Engineer	●	●	
APL	Antenna Placement Electromagnetics Engineer		●	
CSV	Collaborative Industry Innovator		●	●
CYE	Composite Structures Performance Engineer	●	●	
DRD	Structural Professional Engineer		●	
EMC	Electromagnetics Engineer	●	●	
FGA	Durability Engineer		●	
FGM	Durability and Mechanics Engineer	●	●	
FGP	Durability Performance Engineer	●	●	
FMK	Fluid Dynamics Engineer	●	●	
IFW	3DSwymer	●	●	●
IME	Plastic Injection Engineer	●	●	
INK	Plastic Injection Part Engineer		●	
MAS	Material Calibration Specialist	●	●	
MCK	Multidiscipline Performance Engineer	●	●	
MCO	Multiscale Systems Analyst		●	
MDA	Additive Manufacturing Researcher		●	
MDO	Multidisciplinary Optimization Engineer	●	●	
MDS	Structural Simulation Designer		●	
OPZ	Structural Generative Engineer	●	●	
PES	Simulation Process Method Developer		●	
PXA	Structural Mechanics Analyst		●	
PXK	All Physics Analyst	●	●	
RBM	Simulation Scripting		●	
RIW	Results Data Analyst		●	
SBE	Simulation Model Build Engineer	●	●	
SCI	Composites Simulation Engineer		●	
SEI	Simulation Collaborator	●	●	
SFO	Structural Performance Engineer	●	●	●
SLL	Structural Engineer	●	●	●
SML	Simulation Geometry Modeler		●	
SMU	Mechanical Analyst		●	

**BENEFIT FROM  
CUTTING-EDGE  
TECHNOLOGIES**



Role Code	Role Name	Learning Path	Learning Module	Certification
SNE	Composites Structure Analysis Engineer	●	●	
SPF	Simulation Process Engineer	●	●	
SPI	Simulation Process & Optimization		●	
SRD	Structural Designer	●	●	●
SSEMO	Steel Structures Engineer for Marine and Offshore	●	●	
SSU	Structural Mechanics Engineer	●	●	●
SWR	Multiscale Experiment Creator		●	
SYE	Structural Analysis Engineer	●	●	
TME	Thermal Engineer	●	●	

For example, in the SFO Structural Performance Engineer role you'll find a Learning Path and a collection of Learning Modules:

STRUCTURAL PERFORMANCE ENGINEER (SFO)	
Type	Title
Learning path	Perform as a Structural Performance Engineer
Learning module	3DEXPERIENCE Simulation Primer for Abaqus/CAE Users
Learning module	Getting Started with Physics Simulation
Learning module	Practice SIMULIA Simulation Scripting
Learning module	Practice SIMULIA Structural Model Creation
Learning module	Practice SIMULIA Model Assembly Design
Learning module	Practice SIMULIA Physics Results Explorer
Learning module	Structural Simulation Essentials
Learning module	Structural Simulation: Heat Transfer and Thermal Stress Analysis
Learning module	Explore the Structural Performance Engineer Role
Certification	3DEXPERIENCE Structural Performance Engineer - Associate

## LEARNING EXPERIENCE FOR VIRTUAL PLANET (VPLX-OC)

Having access to the entire Virtual Planet library enables you create great experiences in **3DEXPERIENCE** City.

- Proven practices in the industry and the latest know-how in virtual 3D environment to interactively discover the virtual twin of the city.
- Play 3D navigation experiences in City Referential Manager with a smooth user experience, from large-scale visualization to granular pedestrian perspective.

The following **3DEXPERIENCE** roles are covered in this library:

Role Code	Role Name	Learning Path	Learning Module	Certification
IFW	3DSwymer	●	●	●
CSV	Collaborative Industry Innovator		●	●
CMO	City Analyst		●	
CTVIC	City Viewer		●	
CRMIC	City Referential Manager	●	●	●
CCNIC	City Contributor	●	●	●
ETC	Earth Engineering Coordinator		●	
GML	Geology Modeler	●	●	●
GRM	Geoscience Referential Manager		●	

For example, in the **GML Geology Modeler** role you'll find a Learning Path and a collection of Learning Modules:

GEOLOGY MODELER (GML)	
Type	Title
Learning path	<b>3DEXPERIENCE</b> Geology
Learning module	Practice Data Setup for Virtual Planet
Learning module	Explore the Geoscience Referential Manager Role
Learning module	Practice Collaborative Designer for Surpac
Learning module	Explore the Geology Modeler Role
Certification	<b>3DEXPERIENCE</b> Geology – Associate



## LEARNING EXPERIENCE FOR MANUFACTURING/PRODUCTION (MPLX-OC)

The entire production process has to speed up, from innovation and design to production. New skills are required to succeed in the digital manufacturing transformation! We propose a set of Learning Modules that give you the required knowledge and know-how to bridge the gap between design and manufacturing processes:

- Industry-proven practices and latest knowledge in manufacturing & production.
- 3DEXPERIENCE platform expertise.

The following 3DEXPERIENCE roles are covered in this library:

Role Code	Role Name	Learning Path	Learning Module	Certification
A3D	Additive Manufacturing Engineer		●	
AMD	Material Deposition Machine Programmer	●	●	
AMP	Powder Bed Programmer		●	●
APB	Powder Bed Machine Programmer	●	●	●
ASE	Assembly Simulation Expert (Former)		●	
CSV	Collaborative Industry Innovator		●	●
DME	3D Design for Manufacturing Engineer		●	
EEA	Ergonomics Specialist		●	
EFS	Factory Simulation Engineer	●	●	●
EMR	Machine & Tooling Designer		●	●
EQE	Shop Floor Equipment Engineer		●	
EQS	Shop Floor Equipment Simulation Engineer		●	
ETR	Equipment & Layout Engineer		●	
EWD	Ergonomic Workplace Designer		●	●
EWK	Work Safety Engineer		●	
IEN	Industrial Engineer		●	
IFW	3DSwymer	●	●	●
LTR	Lean Team Player	●	●	●
MAE	Assembly Simulation Engineer		●	
MFN	Manufacturing Items Engineer	●	●	
NFRSA	Fabrication Riveting System Programmer for Aerospace		●	
NMD	NC Mold & Die Programmer	●	●	●
NMG	NC Milling Machining Programmer		●	
NMN	NC Machine Simulation Engineer		●	
NMT	NC Multi-Axis Milling & Turning Programmer		●	
NMV	NC Machine Code Validation Specialist		●	
NMX	NC Multi-Axis Milling Programmer		●	
NPM	NC Prismatic Machine Programmer	●	●	●
NPT	NC Prismatic & Turning Programmer		●	
NSR	NC Shop Floor Programmer	●	●	●
NTA	NC Mill-Turn Machine Programmer		●	
NTP	NC Prismatic & Mill-Turn Machine Programmer	●	●	●
NTT	Cutting Tool Technologist	●	●	
NTX	NC Milling Machine Programmer	●	●	●
PFE	Fastener Process Engineer		●	
PLA	Plant Layout Designer	●	●	●
PPL	Process Engineer	●	●	●

Role Code	Role Name	Learning Path	Learning Module	Certification
PSR	Assembly Simulation Expert		●	
PST	Manufacturing Engineer	●	●	
PWD	Work Instructions Author	●	●	●
RAE	Robotics Arc Engineer		●	
RAM	Assembly Robot Programmer	●	●	●
RARSA	Assembly Riveting System Programmer for Aerospace		●	
RBWPR	Body-in-White Robot Programmer		●	
RFP	Fabrication Robot Programmer	●	●	
ROL	Robotics Offline Programmer		●	
RSE	Robotics Spot Engineer		●	
RSF	Robotics Surface Engineer		●	
RSG	Surface Robot Programmer	●	●	
RSN	Robotic Workcell Simulation Engineer		●	
RTS	Robotics Engineer		●	
RVN	Robotics Virtual Commissioning Analyst		●	
SEN	Service Process Engineer		●	
TMA	Time Study Analyst		●	
WKS	Work Instructions Designer		●	

For example, in the PPL Process Engineer role you'll find a Learning Path and a collection of Learning Modules:

PROCESS ENGINEER (PPL)	
Type	Title
Learning path	Perform as a NC Prismatic and Mill-Turn Machine Programmer
Learning module	Practice DELMIA Prismatic and Turning Machining
Learning module	Practice DELMIA Manufacturing Context Builder
Learning module	Explore the NC Prismatic & Turning Programmer Role
Learning module	DELMIA V5 to 3DEXPERIENCE Machining Transition
Learning module	Practice DELMIA Prismatic Machining
Learning module	DELMIA Prismatic Machining Advanced
Learning module	Understand Fabrication
Learning module	Practice DELMIA Wire EDM Machining
Certification	3DEXPERIENCE NC Prismatic & Mill-Turn Machine Programmer – Associate



LEARN INDUSTRY-  
PROVEN PRACTICES

## LEARNING EXPERIENCE FOR GOVERNANCE/LIFECYCLE (GVLX-OC)

Dealing with huge volumes of data and information is the day-to-day challenge facing today's engineers. Be ready to manage product creation from early planning to development and final release.

Best-in-class Learning Modules are already available through our Governance Library, offering:

- Knowledge and know-how on the latest governance practices.
- **3DEXPERIENCE** roles so that you can master collaboration across different disciplines on any device, anytime, anywhere.

The following **3DEXPERIENCE** roles are covered in this library:

Role Code	Role Name	Learning Path	Learning Module	Certification
ATKCG	Artwork Coordinator		●	
BLD	Semiconductor Hardware Designer		●	
BPO	Business Process Player		●	●
BPR	Business Process Designer		●	●
BPW	Business Process Analyst		●	
CCM	Classification Manager	●	●	●
CDR	X-CAD Designer		●	
CFG	Configuration Engineer		●	
CHG	Change Manager	●	●	●
CPYAG	Copy Author & Graphic Designer		●	
CSV	Collaborative Industry Innovator		●	●
DER	Design Reviewer		●	
DEY	Digital Mockup Validation Engineer		●	
DMVEH	Device 3D Synthesis Validation Engineer		●	
DPM	Project Manager	●	●	●
DPS	Project Portfolio Manager		●	
DRN	Digital Mockup Review Engineer		●	
IFW	3DSwymer	●	●	●
IPS	IP Security Manager		●	
KSM	Sustainable Innovation Manager		●	●
LTR	Lean Team Player	●	●	●
MCM	Materials Compliance Manager		●	
MCY	Materials Compliance Analyst		●	
PAU	3D Product Architect	●	●	●
PCS	Collaborative Business & Industry Innovator	●	●	●
PDA	Product Architect		●	
PDE	Engineering BOM Manager		●	
PDM	Product Manager	●	●	●
PTN	Supply Network Manager		●	
RFX	RFx Manager		●	

KNOWLEDGE ON THE  
LATEST GOVERNANCE  
PRACTICES



Role Code	Role Name	Learning Path	Learning Module	Certification
SDV	Applications Developer		●	
TRM	Requirements Engineer	●	●	●
UE5	Collaborative Designer for CATIA V5	●	●	●
UES	Collaborative Designer for SOLIDWORKS	●	●	●
XCD	3D Component Designer for PLM Services		●	
XEN	Product Release Engineer	●	●	●
XPP	Project Planner	●	●	●
XSF	Connected Software Engineer		●	

For example, in the PDM Product Manager role you'll find a Learning Path and a collection of Learning Modules:

PRODUCT MANAGER (PDM)	
Type	Title
Learning path	Perform as the Product Manager
Learning module	Practice ENOVIA Variant Management: Product Manager
Learning module	ENOVIA Traceable Requirements Management Essentials
Learning module	Portfolio and Product Planning
Learning module	Explore the Product Manager Role
Learning module	Practice ENOVIA Model Definition
Learning module	Practice ENOVIA Requirements for Web Apps – Added Exercise
Learning module	Collaborate to Build and Manage a Configured MBOM and Process Structure
Learning module	Parametric Design Validation and NC Manufacturing
Learning module	Collaborate for Streamline Engineering to Manufacturing
Learning module	Collaborate using Process Engineering for Assembly Change and Configuration
Certification	3DEXPERIENCE Product Manager – Associate

## LEARNING EXPERIENCE FOR BUSINESS ANALYTICS (BALX-OC)

Information Intelligence solutions on the Dassault Systèmes **3DEXPERIENCE** platform unleash continuous innovation:

- Realize the full value of virtual twin experiences by combining the science-based modeling and simulation of products, factories and companies with data-driven insights enabled by artificial intelligence and machine learning.
- Enable people at all levels of the enterprise to make better, more informed business decisions.
- Accelerate product and process innovation through collaboration combined with embedded analytics and artificial intelligence.

The following **3DEXPERIENCE** roles are covered in this library:

Role Code	Role Name	Learning Path	Learning Module	Certification
CLY	Classification Intelligence Analyst		●	
CSV	Collaborative Industry Innovator		●	●
EPA	Standard Component Manager		●	
EPU	Preferred Component Consumer		●	
IFW	3DSwymer	●	●	●
NBA	Social Business Analyst		●	
PUS	Project Intelligence Consumer		●	
S1X	Preferred Part Consumer	●	●	
SCU	Standard Component Librarian		●	
SDI	Standardization Intelligence Analyst		●	
X1R	Standard Part Analyst		●	
XCU	Component Sourcing Analyst	●	●	

## LEARNING EXPERIENCE FOR MARKETING/SALES (MSLX-OC)

With the Marketing/Sales library, you will be able to deliver the perfect pitch or tell a winning story with your product as the hero, thanks to the **3DEXPERIENCE** platform:

- Fast pace – next-level 3D customer engagement always up-to-date from the **3DEXPERIENCE** virtual twin.
- Grow your impact – tell the story and authentically showcase products capabilities and behaviors in every engagement.
- Empower the ecosystem – reach all channels with 3D & AR ready content and ensure seamless interoperability.

The following **3DEXPERIENCE** roles are covered in this library:

Role Code	Role Name	Learning Path	Learning Module	Certification
CSV	Collaborative Industry Innovator		●	●
DPA	3D Render		●	
IFW	3DSwymer	●	●	●
XPR	Product Communicator		●	

# THE MOST POPULAR MODULES ARE AVAILABLE IN OTHER LANGUAGES

## EXPLORE MODULES

Learning Module Code	Learning Module	FR	DE	JA	ZH	KO
CSV	Explore the Collaborative Industry Innovator Role	●	●	●	●	●
WXD	Explore the 3D Creator Role	●	●	●	●	●
IFW	Explore the 3DSwymer Role	●	●	●	●	●
UES	Explore the 3DEXPERIENCE SOLIDWORKS (CAD) Role	●	●	●	●	●
XFO	Explore the 3D Sculptor Role	●	●	●	●	●
MDG	Explore the Mechanical Designer Role	●	●	●	●	●
UES	Explore the Collaborative Designer for SOLIDWORKS Role	●	●	●	●	●
XPP	Explore the Project Planner Role	●	●	●	●	●
LTR	Explore the Lean Team Player Role	●	●		●	
PLMG	Explore the Platform Manager Role	●	●	●	●	●
UE5	Explore the Collaborative Designer for CATIA V5 Role	●	●	●	●	●
XBT	Explore the 3D Sheet Metal Creator Role	●	●	●	●	●

## PRACTICE MODULES

Learning Module Code	Learning Module	FR	DE	JA	ZH	KO
PDG_F	Practice CATIA Part Design	●	●	●	●	●
ASD_F	Practice CATIA Assembly Design	●	●	●	●	●
GDR_F	Practice CATIA Drafting	●	●	●	●	●
KIM_F	Practice CATIA Mechanical Systems Design	●	●	●	●	●
MSB_F	Practice DELMIA Manufacturing Context Builder			●	●	●
EHF_F	Practice CATIA Electrical 3D Design	●	●	●		
LSDY_F	Practice SIMULIA Linear Structural Validation			●		



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a question?

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[3ds.com/edu](https://3ds.com/edu)

## HOW TO BUY A LIBRARY?



Dassault Systèmes Learning Experiences  
are available through the learning portal:  
[eduspace.3ds.com](https://eduspace.3ds.com)



For pricing information, please visit our  
website and click on "Get a quote" to fill  
in the form and be contacted by a sales  
representative.

## Our 3DEXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating virtual twin experiences of the real world with our 3DEXPERIENCE platform and applications, our customers can redefine the creation, production and life-cycle-management processes of their offer and thus have a meaningful impact to make the world more sustainable. The beauty of the Experience Economy is that it is a human-centered economy for the benefit of all –consumers, patients and citizens. Dassault Systèmes brings value to more than 300,000 customers of all sizes, in all industries, in more than 150 countries. For more information, visit [www.3ds.com](https://www.3ds.com).



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