



3DEXPERIENCE®

Manufacturing/Production

3DEXPERIENCE R2016x Learning Paths

June 2016

Delivery formats



- **Instructor led:** the class is delivered by an instructor, either face-to-face or distant (virtual) via an internet connection and a screen sharing session.



- In all cases, the courseware is available **online** via **Companion Learning Space**: <https://companion.3ds.com>

Companion Learning Space

3DS Companion Learning Space

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Learning Paths by role

- ❖ **DELMIA** *Companion for Manufacturing Process Planner*
- ❖ **DELMIA** *Companion for Manufacturing Engineer*
- ❖ **DELMIA** *Companion for Process Simulation Analyst*
- ❖ **DELMIA** *Companion for Work Instructions Designer*
- ❖ **DELMIA** *Companion for Shop Floor Equipment Engineer*
- ❖ **DELMIA** *Companion for Plant Layout Designer*
- ❖ **DELMIA** *Companion for NC Prismatic Programmer*
- ❖ **DELMIA** *Companion for NC Milling Machining Programmer*
- ❖ **DELMIA** *Companion for NC Multi-Axis Milling Programmer*

Learning Paths by role

- ❖ **DELMIA** *Companion for Robotics Arc Welding Simulation Engineer*
- ❖ **DELMIA** *Companion for Robotics Spot Welding Simulation Engineer*
- ❖ **DELMIA** *Companion for Robotics Programmer*
- ❖ **DELMIA** *Companion for Robotics Simulation Engineer*
- ❖ **DELMIA** *Companion for NC Multi-Axis Milling & Turning Programmer*
- ❖ **DELMIA** *Companion for NC Machine Code Validation Specialist*
- ❖ **DELMIA** *Companion for NC Prismatic & Turning Programmer*
- ❖ **DELMIA** *Companion for Robotics Spot Welding Programmer*
- ❖ **DELMIA** *Companion for Robotics Arc Welding Programmer*
- ❖ **DELMIA** *Companion for 3D Design Manufacturing Engineer*

DELMIA

Companion for Manufacturing Process Planner – PPL - 1/2

The following course is mandatory for new 3DEXPERIENCE Platform users. It should be taken prior to taking any other courses.

Gateway to the 3DEXPERIENCE Platform



8 h

GTX_F



The following courses are also recommended. They can be taken in any order.

DELMIA Manufacturing Process Planning Essentials



8 h

MSD_F



DELMIA Manufacturing Equipment Allocation Essentials



8 h

MLB_F



CATIA Know-how Reuse Essentials



4 h




KE1_F



DELMIA

Companion for Manufacturing Process Planner – PPL - 2/2

The following courses are also recommended.
They can be taken in any order.

DELMIA Planning Structure Essentials		
12 h	PRR_F	 
DELMIA Manufactured Item Definition Essentials		
6 h	PRD_F	 

DELMIA

Companion for Manufacturing Engineer - PST

The following course is mandatory for new 3DEXPERIENCE Platform users. It should be taken prior to taking any other courses.

Gateway to the 3DEXPERIENCE Platform



8 h

GTX_F



The following courses are also recommended. They can be taken in any order.

CATIA Know-how Reuse Essentials



4 h

KE1_F



DELMIA Planning Structure Essentials



12 h

PRR_F



DELMIA

Companion for Process Simulation Analyst - MAE

The following course is mandatory for new
3DEXPERIENCE Platform users.
It should be taken prior to taking any other courses.

Gateway to the 3DEXPERIENCE
Platform



8 h

GTX_F



The following courses are also recommended.
They can be taken in any order.

DELMIA Manufacturing Assembly
Evaluation Essentials



6 h

FIT_F



DELMIA

Companion for Work Instructions Designer - WKS

The following course is mandatory for new
3DEXPERIENCE Platform users.
It should be taken prior to taking any other courses

Gateway to the 3DEXPERIENCE
Platform



8 h

GTX_F



The following courses are also recommended.
They can be taken in any order.

DELMIA Manufacturing
Work Instructions Essentials



6 h

WKD_F



DELMIA

Companion for Shop Floor Equipment Engineer - EQE

The following course is mandatory for *new* 3DEXPERIENCE Platform users.
It should be taken prior to taking any other courses.

Gateway to the 3DEXPERIENCE Platform



8 h

GTX_F



The following courses are also recommended.
They can be taken in any order.

CATIA Mechanical Systems Design Essentials



4 h

KIM_F



DELMIA Manufacturing Equipment Design Essentials



20 h

DBG_F



DELMIA

Companion for Plant Layout Designer - PLA

The following course is mandatory for new 3DEXPERIENCE Platform users. It should be taken prior to taking any other courses.

Gateway to the 3DEXPERIENCE Platform



8 h

GTX_F



The following courses are also recommended. They can be taken in any order.

CATIA Drafting Essentials



24 h

GDR_F



CATIA 2D Layout for 3D Design Essentials



8 h

L01_F



CATIA Know-how Reuse Essentials



4 h

KE1_F



DELMIA Plant Layout Design Essentials



6 h

MRL_F



DELMIA

Companion for NC Prismatic Programmer - NPM

The following course is mandatory for *new* 3DEXPERIENCE Platform users.
It should be taken prior to taking any other courses.

Gateway to the 3DEXPERIENCE Platform



8 h

GTX_F



The following courses are also recommended.
They can be taken in any order.

DELMIA V5 to 3DEXPERIENCE Machining Transition



12 h

PMGT_F



DELMIA Prismatic Machining Fundamentals



32 h

PMG_F



DELMIA Prismatic Machining Advanced



20 h







PMG_A



DELMIA

Companion for NC Milling Machining Programmer - NMG

The following courses are also recommended.
They can be taken in any order.

DELMIA V5 to 3DEXPERIENCE Machining Transition		
12 h	PMGT_F	 
DELMIA Milling Machining Essentials		
24 h	SMG_F	 

DELMIA

Companion for NC Multi-Axis Milling Programmer - NMX

The following courses are also recommended.
They can be taken in any order.

DELMIA V5 to 3DEXPERIENCE Machining Transition



12 h

PMG_T



DELMIA Multi-Axis Machining Essentials



32 h



MMG_F



DELMIA

Companion for Robotics Arc Welding Simulation Engineer - RAE

The following courses are also recommended.
They can be taken in any order.

DELMIA Robot Arc Welding Simulation Essentials		
8 h	AWG1_F	

DELMIA

Companion for Robotics Spot Welding Simulation Engineer - RSE

The following courses are also recommended.
They can be taken in any order.

DELMIA Robot Spot Welding Simulation Essentials		
8 h	SWG1_F	

DELMIA

Companion for Robotics Programmer - RTP

The following course is mandatory for *new* 3DEXPERIENCE Platform users.
It should be taken prior to taking any other courses

Gateway to the 3DEXPERIENCE Platform



8 h

GTX_F



The following courses are also recommended.
They can be taken in any order.

DELMIA Robot Programming Essentials



6 h

OLP_F



DELMIA

Companion for Robotics Simulation Engineer - RTS

The following course is mandatory for new
3DEXPERIENCE Platform users.
It should be taken prior to taking any other courses.

Gateway to the 3DEXPERIENCE
Platform



8 h

GTX_F



The following courses are also recommended.
They can be taken in any order.

DELMIA Robot Simulation Essentials



12 h

WSU_F



DELMIA

Companion for NC Multi-Axis Milling & Turning Programmer - NMT

The following courses are also recommended.
They can be taken in any order.

DELMIA V5 to 3DEXPERIENCE Machining Transition		
12 h	PMGT_F	
DELMIA Mill-Turn Machining Essentials		
20 h	LMG_F	

DELMIA

Companion for NC Machine Code Validation Specialist - NMV

The following course is mandatory for *new* 3DEXPERIENCE Platform users.
It should be taken prior to taking any other courses.

Gateway to the 3DEXPERIENCE Platform



8 h

GTX_F



The following courses are also recommended.
They can be taken in any order.

DELMIA V5 to 3DEXPERIENCE Machining Transition



12 h

PMGT_F



DELMIA Machining Validation Essentials



6 h

MSG_F



DELMIA

Companion for NC Prismatic & Turning Programmer - NPT

The following courses are also recommended.
They can be taken in any order.

DELMIA V5 to 3DEXPERIENCE Machining Transition



12 h

PMGT_F



DELMIA Prismatic and Turning Machining Essentials



20 h

LMG1_F



DELMIA

Companion for Robotics Spot Welding Programmer - RSR

The following courses are also recommended.
They can be taken in any order.

**DELMIA Robot Spot Weld Programming
Essentials**



8 h

SGW2_F



DELMIA

Companion for Robotics Arc Welding Programmer - RAR

The following courses are also recommended.
They can be taken in any order.

**DELMIA Robot Arc Weld Programming
Essentials**



8 h

AWG2_F



DELMIA

Companion for 3D Design Manufacturing Engineer – DME - 1/3

UMD16_U course is also recommended for students who are familiar with the 3D15X Design Apps

The following course is recommended for *new* 3DEXPERIENCE Platform users. They should be familiar with V5 Part Design and Assembly Design workbenches. It should be taken prior to taking any other courses

Transition to the 3DEXPERIENCE Platform for Mechanical Designers



16 h

3DMT_F



The following courses are also recommended. They can be taken in any order.

CATIA R2016x Update for Mechanical Designers



8 h

UMD16_U



CATIA Mechanical Design Fundamentals



32 h

3DF_F



CATIA Mechanical Design Expert



32 h

3DE_A



DELMIA

Companion for 3D Design Manufacturing Engineer – DME - 2/3

The following courses are also recommended.
They can be taken in any order.

CATIA Assembly Design Essentials			
24 h	ASD_F		

CATIA Mechanical Systems Design Essentials			
4 h	KIM_F		

CATIA Assembly Design Expert			
16 h	ASD_A		

CATIA Part Design Essentials			
24 h	PDG_F		

DELMIA



Companion for 3D Design Manufacturing Engineer - DME - 3/3

The following courses are also recommended.
They can be taken in any order.

CATIA Part Design Essentials		
24 h	PDG_A	

CATIA 2D Layout for 3D Design Essentials		
8 h	LO1_F	

CATIA Drafting Essentials		
24 h	GDR_F	

CATIA Generative Wireframe and Surface Essentials		
20 h	GS1_F	

ENOVIA Design Review Essentials		
4 h	REEV_F	

