



3DEXPERIENCE®

Manufacturing/Production

3DEXPERIENCE R2016x Learning Paths

September 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*	

*Note: When searching for GTX_F course for 3Experience Platform, type: « Gateway »

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

DELMIA Manufacturing Process Planning Essentials		
8h	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*		

*Note: When searching for GTX_F course for 3Experience Platform, type: « Gateway »

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



*Note: When searching for GTX_F course for 3Experience Platform, type: « Gateway »




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	 

***Note:** When searching for GTX_F course for 3Experience Platform, type: « Gateway »

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*	

*Note: When searching for GTX_F course for 3Experience Platform, type: « Gateway »

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*	

***Note:** When searching for GTX_F course for 3Experience Platform, type: « Gateway »

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*	 

***Note:** When searching for GTX_F course for 3Experience Platform, type: « Gateway »





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	

***Note:** When searching for GTX_F course for 3Experience Platform, type: « Gateway »




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	 

***Note:** When searching for GTX_F course for 3Experience Platform, type: « Gateway »

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*	 

***Note:** When searching for GTX_F course for 3Experience Platform, type: « Gateway »

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	

