



3DEXPERIENCE®

SIMULIA Training

R2016x Learning Paths

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



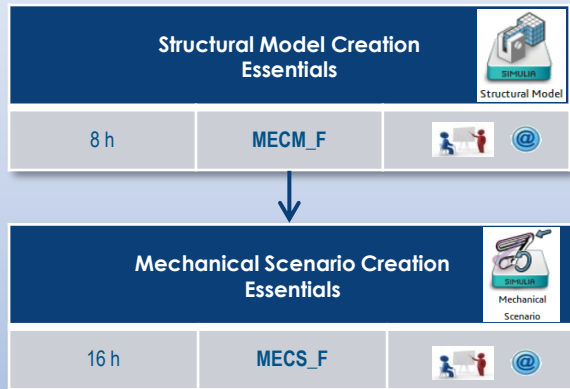
Learning path by role

- ❖ SIMULIA – Mechanical Analyst
- ❖ SIMULIA – Structural Vibration Analyst
- ❖ SIMULIA – Noise & Vibration Analyst
- ❖ SIMULIA – Fluid Mechanics Analyst
- ❖ SIMULIA – Finite Element Modeling & Assembly Specialist
- ❖ SIMULIA – Simulation Results Analyst
- ❖ SIMULIA – Composites Simulation Engineer
- ❖ SIMULIA – Simulation Geometry Modeler
- ❖ SIMULIA – Assembly Modeling Specialist
- ❖ SIMULIA – Structural Analysis Engineer
- ❖ SIMULIA – Steel Ship Structural Analysis Engineer
- ❖ SIMULIA – Stress Engineer
- ❖ SIMULIA – Fluid Dynamics Engineer
- ❖ SIMULIA – Simulation Process Method Developer
- ❖ SIMULIA – Results Data Analyst
- ❖ SIMULIA – Simulation Foundation
- ❖ SIMULIA – Simulation Process and Optimization
- ❖ SIMULIA – Simulation Asset Management

SIMULIA

Mechanical Analyst

The following courses are recommended for *new* 3DEXPERIENCE Platform users. They should be taken prior to taking any other courses.



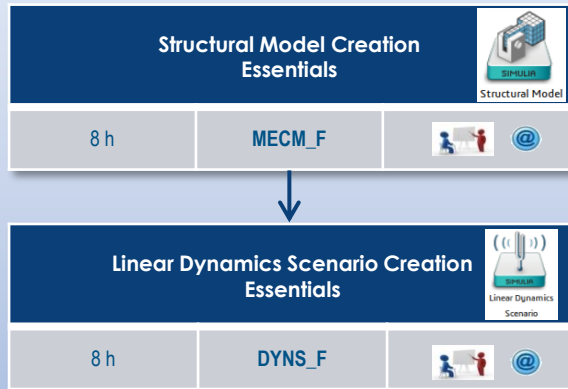
The following courses are also recommended. They can be taken in any order.



SIMULIA

Structural Vibration Analyst

The following courses are recommended for *new* 3DEXPERIENCE Platform users. They should be taken prior to taking any other courses.



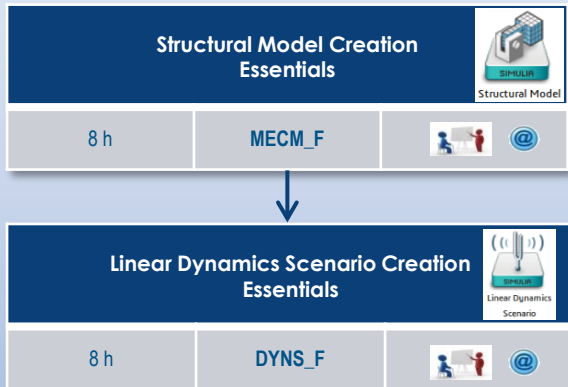
The following courses are also recommended. They can be taken in any order.



SIMULIA

Noise & Vibration Analyst

The following courses are recommended for *new* 3DEXPERIENCE Platform users. They should be taken prior to taking any other courses.



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



SIMULIA

Fluid Mechanics Analyst

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




Fluid Mechanics Analyst Essentials		 Fluid Model	 Fluid Scenario
16 h	FLA_F		

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

Physics Results Explorer Essentials		 Physics Results	
4 h	PHYR_F		

Process Composer Essentials		 Process Composer	
8 h	PRCW_F		

Performance Study Essentials		 Performance Study	
4 h	DISB_F		

3DPlay Simulation Experience Essentials		 3DPlay	
2 h	SIM3DP_F		





SIMULIA

Finite Element Modeling & Assembly Specialist

The following courses are recommended for *new* 3DEXPERIENCE Platform users. They should be taken prior to taking any other courses.

Structural Model Creation Essentials			
8 h	MECM_F	  	Structural Model



Structural Model Creation: Geometry and Meshing			
16 h	MECM2_F	  	Structural Model

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

Model Assembly Design Essentials			
4 h	MSAM_F	  	Model Assembly

Process Composer Essentials			
8 h	PRCW_F	  	Process Composer

Performance Study Essentials			
4 h	DISB_F	  	Performance Study

3DPlay Simulation Experience Essentials			
2 h	SIM3DP_F	  	3DPlay

SIMULIA

Simulation Results Analyst

The following course is recommended for *new* 3DEXPERIENCE Platform users.

Physics Results Explorer Essentials



4 h

PHYR_F



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

Process Composer Essentials



8 h

PRCW_F



Performance Study Essentials



4 h

DISB_F



3DPlay Simulation Experience Essentials



2 h


SIM3DP_F



SIMULIA

Composites Simulation Engineer

The following course is recommended.

Composites Simulation Engineer Essentials		
8 h	SCL_F	

Composites Simulation Engineer requires one of the following roles as a prerequisite:





- Mechanical Analyst
- Structural Vibration Analyst
- Noise & Vibration Analyst
- Multiphysics Simulation Researcher
- Finite Element Modeling & Assembly Specialist
- Structural Analysis Engineer

The core course(s) for the relevant prerequisite role should be taken before the course listed here.

SIMULIA

Simulation Geometry Modeler

The following course is recommended for *new* 3DEXPERIENCE Platform users.

Simulation Model Design Essentials	 Part Design Essentials	 Gen. Wireframe & Surface	 Assembly Design
8 h	SML_F		

Simulation Geometry Modeler requires one of the following roles as a prerequisite:

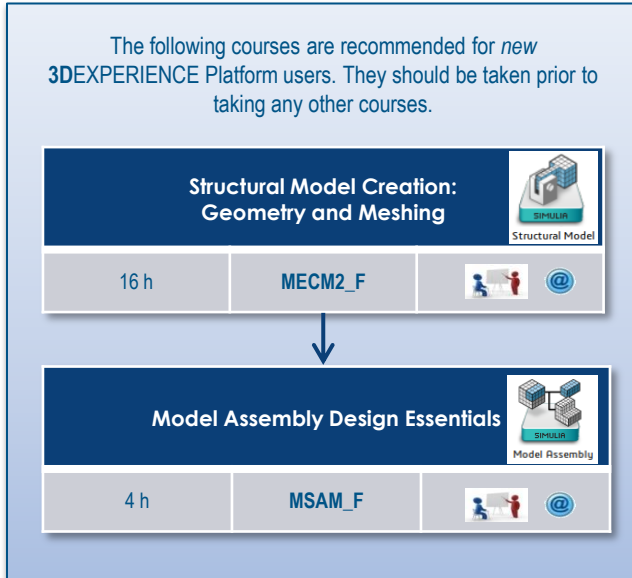
- Mechanical Analyst
- Structural Vibration Analyst
- Noise & Vibration Analyst
- Fluid Mechanics Analyst
- Multiphysics Simulation Researcher
- Finite Element Modeling & Assembly Specialist

The course listed here, however, can be taken in any sequence.

SIMULIA

Assembly Modeling Specialist

The following courses are recommended for *new* 3DEXPERIENCE Platform users. They should be taken prior to taking any other courses.



Assembly Modeling Specialist requires one of the following roles as a prerequisite:

- Mechanical Analyst
- Structural Vibration Analyst
- Noise & Vibration Analyst

The core course(s) for the relevant prerequisite role should be taken before the courses listed here.




SIMULIA

Structural Analysis Engineer

The following courses are recommended for *new* 3DEXPERIENCE Platform users. They should be taken prior to taking any other courses.

Structural Model Creation Essentials			
8 h	MECM_F	 	



Structural Scenario Creation Essentials			
8 h	EMCS_F	 	

The following courses are recommended for *new* 3DEXPERIENCE Platform users.

Physics Results Explorer Essentials			
4 h	PHYR_F	 	




Performance Study Essentials			
4 h	DISB_F	 	

3DPlay Simulation Experience Essentials			
2 h	SIM3DP_F	 	




SIMULIA

Steel Ship Structural Analysis Engineer

The following courses are recommended for *new* 3DEXPERIENCE Platform users. They should be taken prior to taking any other courses.

Structural Model Creation Essentials			
8 h	MECM_F	 	

↓

Structural Scenario Creation Essentials			
8 h	EMCS_F	 	

The following courses are recommended for *new* 3DEXPERIENCE Platform users.

Physics Results Explorer Essentials			
4 h	PHYR_F	 	









Performance Study Essentials			
4 h	DISB_F	 	

3DPlay Simulation Experience Essentials			
2 h	SIM3DP_F	 	

SIMULIA

Stress Engineer

The following courses are recommended for *new* 3DEXPERIENCE Platform users. They should be taken prior to taking any other courses.

Structural Validation Essentials			
4 h	STRV_F	  	
↓			
Durability Validation Essentials			
4 h	DURV_F	  	

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

Performance Study Essentials			
4 h	DISB_F	  	
3DPlay Simulation Experience Essentials			
2 h	SIM3DP_F	  	

SIMULIA

Fluid Dynamics Engineer

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

Fluid Mechanics Validation Essentials



Fluid Validation

4 h

FLOV_F



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

Performance Study Essentials



Performance Study

4 h

DISB_F



3DPlay Simulation Experience Essentials



3DPlay

2 h

SIM3DP_F



SIMULIA

Simulation Process Method Developer







The following courses are recommended for *new* 3DEXPERIENCE Platform users.

Simulation Companion Essentials		
2 h	COMP_F	 
Process Composer Essentials		
8 h	PRCW_F	 
Process Experience Studio Essentials		
2 h	EXPS_F	 
Performance Study Essentials		
4 h	DISB_F	 
Results Analytics Essentials		
8 h	REII_F	 

SIMULIA

Results Data Analyst


The following courses are recommended for *new* 3DEXPERIENCE Platform users.

Performance Study Essentials			 Performance Study
4 h	DISB_F	 	
Results Analytics Essentials			 Results Analytics
8 h	REII_F	 	

SIMULIA

Simulation Foundation







The following courses are recommended for *new* 3DEXPERIENCE Platform users.

Performance Study Essentials			 Performance Study
4 h	DISB_F		
3DPlay Simulation Experience Essentials			 3DPlay
2 h	SIM3DP_F		

SIMULIA

Simulation Process and Optimization


The following courses are recommended for *new* 3DEXPERIENCE Platform users.

Process Composer Essentials			
8 h	PRCW_F		
Performance Study Essentials			
4 h	DISB_F		
3DPlay Simulation Experience Essentials			
2 h	SIM3DP_F		

SIMULIA

Simulation Asset Management

The following course is recommended for new 3DEXPERIENCE Platform users.

Simulation Companion Essentials		
2 h	COMP_F	

Simulation Asset Management requires the following role as a prerequisite:

- Simulation Process and Optimization

The course listed here, however, can be taken in any sequence.

