



3DEXPERIENCE®

SIMULIA Training

R2017x Learning Paths

March 2017

Delivery formats & recommendations

- Courses can be taken in any order in a role. If Fundamental and Expert levels are available for the same app, you must take the Fundamental course first.

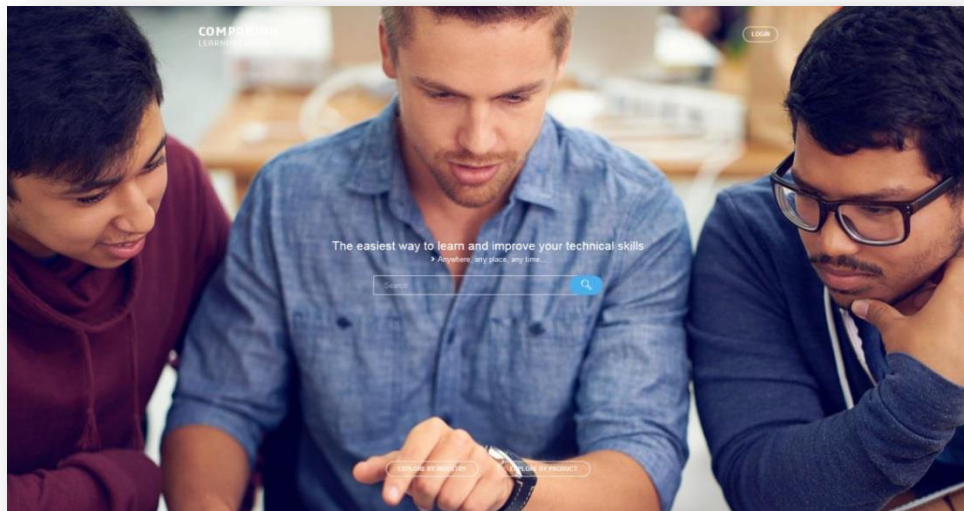


- **Instructor led:** the class is delivered by an instructor, either face-to-face or distant (virtual) via an internet connection and a screen sharing session.



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

Companion Learning Space



Learning paths by role

- ❖ **SIMULIA** *Simulation Foundation*
- ❖ **SIMULIA** *Simulation Process and Optimization*
- ❖ **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*

Learning path by role

- ❖ **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 Asset Management*

SIMULIA

Simulation Foundation - SEI

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 3DEXPERIENCE platform, type: Gateway

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

Performance Study Essentials



4 h

DISB_F



3DPlay Simulation Experience Essentials



2 h

SIM3DP_F



SIMULIA

Simulation Process and Optimization - SPI

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 3DEXPERIENCE platform, type: Gateway

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

Process Composer Essentials 		
8 h	PRCW_F	 

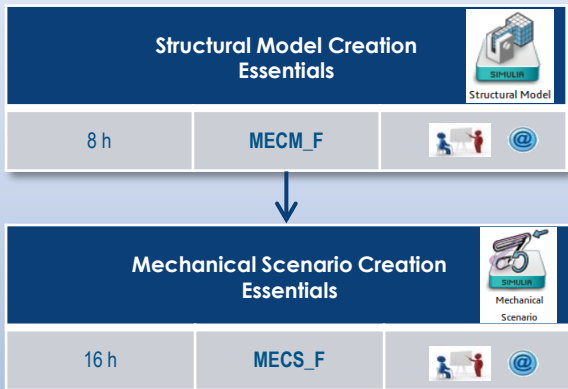
Performance Study Essentials 		
4 h	DISB_F	 

3DPlay Simulation Experience Essentials 		
2 h	SIM3DP_F	 

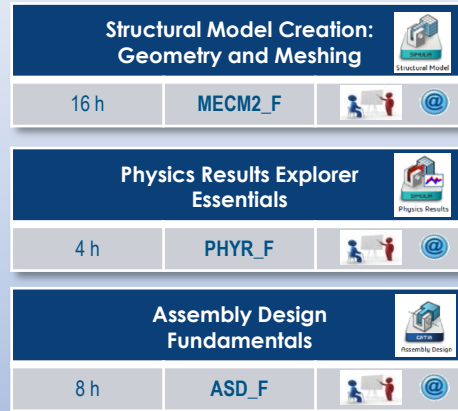
SIMULIA

Mechanical Analyst - SMU

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.

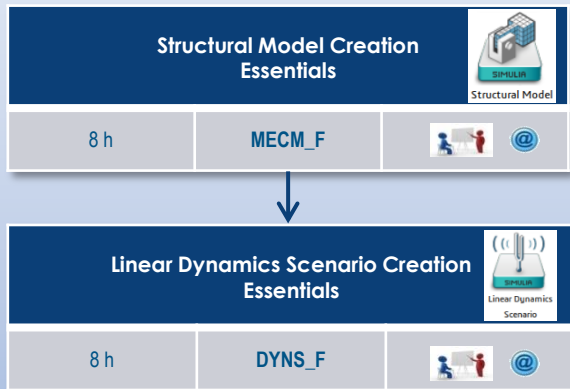


Mechanical Analyst requires the *Simulation Process and Optimization* role as a prerequisite. The courses for the prerequisite role, however, can be taken in any order.

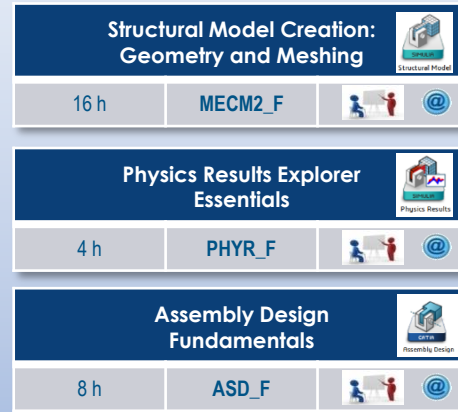
SIMULIA

Structural Vibration Analyst - SLD

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.

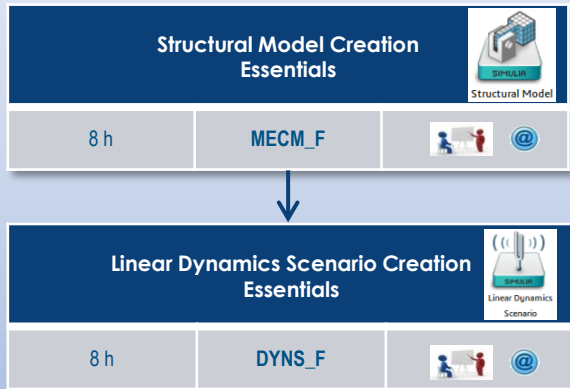


Structural Vibration Analyst requires the *Simulation Process and Optimization* role as a prerequisite. The courses for the prerequisite role, however, can be taken in any order.

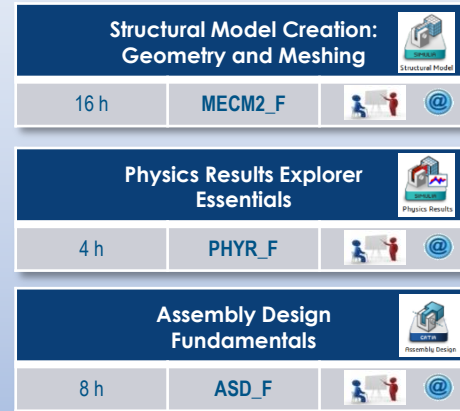
SIMULIA

Noise & Vibration Analyst - SAS

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.



Noise & Vibration Analyst requires the Simulation Process and Optimization role as a prerequisite. The courses for the prerequisite role, however, can be taken in any order.







SIMULIA

Fluid Mechanics Analyst - FLA

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

Fluid Mechanics Analyst Essentials				
16 h	FLA_F			

The following courses are also recommended.

Physics Results Explorer Essentials			
4 h	PHYR_F		
Assembly Design Fundamentals			
8 h	ASD_F		

Fluid Mechanics Analyst requires the Simulation Process and Optimization role as a prerequisite. The courses for the prerequisite role, however, can be taken in any order.



SIMULIA

Finite Element Modeling Specialist - SFM

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 Creation: Geometry and Meshing		
16 h	MECM2_F	

The following courses are also recommended.

Model Assembly Design Essentials		
4 h	MSAM_F	

Assembly Design Fundamentals		
8 h	ASD_F	


Finite Element Modeling & Assembly Specialist requires the *Simulation Process and Optimization* role as a prerequisite.

The courses for the prerequisite role, however, can be taken in any order.

SIMULIA

Simulation Results Analyst - SRA

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




Physics Results Explorer Essentials		
4 h	PHYR_F	

*Simulation Results Analyst requires the Simulation Process and Optimization role as a prerequisite.
The courses for the prerequisite role, however, can be taken in any order.*

SIMULIA

Composites Simulation Engineer - SCI

The following course is recommended.

Composites Simulation Engineer Essentials			 Structural Model	 Mechanical Scenario	 Physics Results
8 h	SCL_F				

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

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

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

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

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

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

Generative Wireframe and Surface Essentials					
20 h	GS1_F				
Natural Shape Essentials					
8 h	LSP_F				
Part Design Essentials					
24 h	PDG_F				
Simulation Model Design Essentials			 Part Design Essentials	 Gen. Wireframe & Surface	 Assembly Design
8 h	SML_F				

SIMULIA

Assembly Modeling Specialist - SMA

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

Structural Model Creation: Geometry and Meshing		
16 h	MECM2_F	



Model Assembly Design Essentials		
4 h	MSAM_F	

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 - DRD

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 also recommended.

Physics Results Explorer Essentials		
4 h	PHYR_F	

*Structural Analysis Engineer requires the Simulation Foundation role as a prerequisite.
The courses for the prerequisite role, however, can be taken in any order.*

SIMULIA

Steel Ship Structural Analysis Engineer - SSD

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 also recommended.

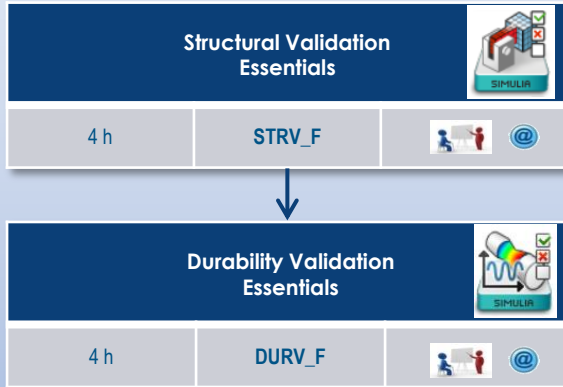
Physics Results Explorer Essentials		
4 h	PHYR_F	

Steel Ship Structural Analysis Engineer requires the *Simulation Foundation* role as a prerequisite. The courses for the prerequisite role, however, can be taken in any order.

SIMULIA

Stress Engineer - MDS

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



Stress Engineer requires the *Simulation Foundation* role as a prerequisite.
The courses for the prerequisite role, however, can be taken in any order.

SIMULIA

Fluid Dynamics Engineer - FMV

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












Fluid Dynamics Engineer requires the Simulation Foundation role as a prerequisite.

The courses for the prerequisite role, however, can be taken in any order.

SIMULIA

Simulation Process Method Developer - PES

The following courses are recommended for new 3DEXPERIENCE platform users.

Simulation Companion Essentials			
2 h	COMP_F		
Process Experience Studio Essentials			
2 h	EXPS_F		
Results Analytics Essentials			
8 h	REIL_F		

*Simulation Process Method Developer requires the Simulation Process and Optimization role as a prerequisite.
The courses for the prerequisite role, however, can be taken in any order.*

SIMULIA

Results Data Analyst - RIW

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

Results Analytics Essentials		
8 h	REII_F	

Results Data Analyst requires the Simulation Foundation role as a prerequisite.

The courses for the prerequisite role, however, can be taken in any order.

SIMULIA

Simulation Asset Management - ASG

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

Simulation Companion Essentials		
2 h	COMP_F	

Simulation Asset Management requires the Simulation Process and Optimization role as a prerequisite.

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

