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](https://companion.3ds.com)
Learning Paths by role

- CATIA Companion for Creative Designer
- CATIA Companion for Freeform Surface Modeler
- CATIA Companion for Transportation Designer
- CATIA Companion for Class A Modeler
- CATIA Companion for Class A Expert
- CATIA Companion for Systems Architecture Designer
- CATIA Companion for Dynamic Systems Designer
- CATIA Companion for Mechatronic Systems Designer
- CATIA Companion for 3DMaster Conceptual Designer
- CATIA Companion for Mechanical Designer
- CATIA Companion for Mechanical & Shape Designer
- CATIA Companion for Mechanical Part Designer
- CATIA Companion for Mechanism Simulation Designer
- CATIA Companion for 3DMaster Designer
## Learning Paths by role

<table>
<thead>
<tr>
<th>Role</th>
<th>Companion</th>
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<tbody>
<tr>
<td>CATIA</td>
<td>Companion for SheetMetal Designer</td>
</tr>
<tr>
<td>CATIA</td>
<td>Companion for Machine &amp; Equipment Designer</td>
</tr>
<tr>
<td>CATIA</td>
<td>Companion for Shaped Machine &amp; Equipment Designer</td>
</tr>
<tr>
<td>CATIA</td>
<td>Companion for Hydroformed SheeMetal Designer</td>
</tr>
<tr>
<td>CATIA</td>
<td>Companion for Composites Designer</td>
</tr>
<tr>
<td>CATIA</td>
<td>Companion for Composites Manufacturer</td>
</tr>
<tr>
<td>CATIA</td>
<td>Companion for Composites Designer &amp; Manufacturer</td>
</tr>
<tr>
<td>CATIA</td>
<td>Companion for Systems Schematic Designer</td>
</tr>
<tr>
<td>CATIA</td>
<td>Companion for Electrical 3D Systems Designer</td>
</tr>
<tr>
<td>CATIA</td>
<td>Companion for Fluid 3D Systems Designer</td>
</tr>
<tr>
<td>CATIA</td>
<td>Companion for Template Designer</td>
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</table>
Learning Paths by role

- CATIA Companion for SheetMetal Designer
- CATIA Companion for Machine & Equipment Designer
- CATIA Companion for Shaped Machine & Equipment Designer
- CATIA Companion for Hydroformed SheeMetal Designer
- CATIA Companion for Composites Designer
- CATIA Companion for Composites Manufacturer
- CATIA Companion for Composites Designer & Manufacturer
- CATIA Companion for Systems Schematic Designer
- CATIA Companion for Electrical 3D Systems Designer
- CATIA Companion for Fluid 3D Systems Designer
- CATIA Companion for Template Designer
- CATIA Companion for Chassis Designer
- CATIA Companion for Companion for Powertrain Designer
- CATIA Companion for Companion for Product Industrial Designer
Learning Paths by role

- CATIA Companion for SheetMetal Designer
- CATIA Companion for Machine & Equipment Designer
- CATIA Companion for Shaped Machine & Equipment Designer
- CATIA Companion for Hydroformed SheeMetal Designer
- CATIA Companion for Composites Designer
- CATIA Companion for Composites Manufacturer
- CATIA Companion for Composites Designer & Manufacturer
- CATIA Companion for Systems Schematic Designer
- CATIA Companion for Electrical 3D Systems Designer
- CATIA Companion for Fluid 3D Systems Designer
- CATIA Companion for Template Designer
- CATIA Companion for Chassis Designer
- CATIA Companion for Powertrain Designer
- CATIA Companion for Product Industrial Designer
## Learning Paths by role

<table>
<thead>
<tr>
<th>CATIA</th>
<th>Companion for Physical Prototyper/Clay Modeler</th>
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<tbody>
<tr>
<td>CATIA</td>
<td>Companion for Composites Braiding Designer</td>
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<tr>
<td>CATIA</td>
<td>Companion for Plastic Mechanical Designer</td>
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<td>CATIA</td>
<td>Companion for Interior Designer</td>
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<tr>
<td>CATIA</td>
<td>Companion for Preliminary Steel Structure Designer</td>
</tr>
<tr>
<td>CATIA</td>
<td>Companion for Steel Structure Designer</td>
</tr>
<tr>
<td>CATIA</td>
<td>Companion for Product Enclosure Designer</td>
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</tbody>
</table>
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 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 Designers**
- **16 h**
- **3DT_F**

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

**CATIA Generative Wireframe and Surface Essentials**
- **20 h**
- **GS1_F**

**CATIA Natural Shape Essentials**
- **8 h**
- **LSP_F**

**CATIA Drafting Essentials**
- **24 h**
- **GDR_F**
The following courses are also recommended. They can be taken in any order.

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<tr>
<td>CATIA Natural Assembly Essentials</td>
<td>4 h</td>
<td>LCP_F</td>
</tr>
<tr>
<td>CATIA 2D Layout for 3D Design Essentials</td>
<td>8 h</td>
<td>L01_F</td>
</tr>
<tr>
<td>CATIA FreeStyle Shape Design Essentials</td>
<td>12 h</td>
<td>FSS_F</td>
</tr>
<tr>
<td>CATIA Imagine and Shape Essentials</td>
<td>16 h</td>
<td>IMA_F</td>
</tr>
<tr>
<td>CATIA Natural Sketch Essentials</td>
<td>8 h</td>
<td>NTS_F</td>
</tr>
<tr>
<td>ENOVIA Design Review Essentials</td>
<td>4 h</td>
<td>REEV_F</td>
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</table>
CATIA
Companion for Freeform Surface Modeler 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 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 Designers
16 h 3DT_F

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

CATIA Generative Shape Develop Essentials
4 h DL1_F

CATIA Generative Shape Design Essentials
24 h GSD_F

CATIA Shape Healing Essentials
8 h HA1_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Natural Shape Essentials**
  - 8 h
  - LSP_F

- **CATIA Imagine and Shape Essentials**
  - 16 h
  - IMA_F

- **CATIA FreeStyle Shape Design Essentials**
  - 12 h
  - FSS_F

- **CATIA Natural Sketch Essentials**
  - 8 h
  - NTS_F
CATIA

Companion for Transportation Designer 1/4

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

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<tr>
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<tbody>
<tr>
<td>Gateway to the 3DEXPERIENCE Platform</td>
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<td>GTX_F</td>
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<tr>
<td>Transition to the 3DEXPERIENCE Platform for Designers</td>
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The following courses are also recommended. They can be taken in any order.

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<tr>
<td>CATIA Generative Shape Design Essentials</td>
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<td>GSD_F</td>
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<tr>
<td>CATIA Shape Healing Essentials</td>
<td>8 h</td>
<td>HA1_F</td>
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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.

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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, LO1_F
- **CATIA FreeStyle Shape Design Essentials**: 12 h, FSS_F
- **CATIA ICEM Shape Design Essentials**: 40 h, ICM_F
CATIA

Companion for Transportation Designer 3/4

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

**CATIA ICEM Shape Morphing Essentials**
- 12 h
- IEX_A

**CATIA Imagine and Shape Essentials**
- 16 h
- IMA_F

**CATIA Natural Sketch Essentials**
- 8 h
- NTS_F
The following courses are also recommended. They can be taken in any order.

- **CATIA 3D Compose Essentials**
  - Duration: 4 h
  - Course Code: LCP_F

- **ENOVIA Design Review Essentials**
  - Duration: 4 h
  - Course Code: REEV_F
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 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 Designers**

- **16 h**
- **3DT_F**

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

**CATIA Generative Shape Develop Essentials**

- **4 h**
- **DL1_F**

**CATIA Generative Wireframe and Surface Essentials**

- **20 h**
- **GS1_F**

**CATIA Shape Healing Essentials**

- **8 h**
- **HA1_F**
The following courses are also recommended. They can be taken in any order.

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<td>CATIA FreeStyle Shape Design Essentials</td>
<td>12 h</td>
<td>FSS_F</td>
</tr>
<tr>
<td>CATIA ICEM Shape Design Essentials</td>
<td>40 h</td>
<td>ICM_F</td>
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<tr>
<td>CATIA Imagine and Shape Essentials</td>
<td>16 h</td>
<td>IMA_F</td>
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<tr>
<td>CATIA Natural Sketch Essentials</td>
<td>8 h</td>
<td>NTS_F</td>
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<tr>
<td>ENOVIA Design Review Essentials</td>
<td>4 h</td>
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CATIA
Companion for Class A Expert

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 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 Designers
16 h 3DT_F

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

CATIA ICEM Shape Morphing Essentials
12 h IEX_A

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

Gateway to the 3DEXPERIENCE Platform
8 h GTX_F

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

Transition to the 3DEXPERIENCE Platform for Designers
16 h 3DT_F

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

CATIA ICEM Shape Morphing Essentials
12 h IEX_A
The following courses are also recommended. They can be taken in any order.

**CATIA Functional and Logical Design Fundamentals**
- 16 h
- FLE_F

**ENOVIA Design Review Essentials**
- 4 h
- REEV_F

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
CATIA

Companion for Dynamic Systems Designer

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

- **CATIA Functional and Logical Design Fundamentals**
  - 16 h
  - FLE_F

- **CATIA Dymola Behavior Modeling Essentials**
  - 16 h
  - DBD_F

- **ENOVIA Design Review Essentials**
  - 4 h
  - REEV_F

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.

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<td>LSP_F</td>
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<tr>
<td>CATIA Part Design Essentials</td>
<td>24 h</td>
<td>PDG_F</td>
</tr>
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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

- **Transition to the 3DEXPERIENCE Platform for Designers**
  - 16 h
  - 3DT_F

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.

- **Gateway to the 3DEXPERIENCE Platform**
  - 8 h
  - GTX_F
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<tr>
<td>CATIA Assembly Design Essentials</td>
<td>24 h</td>
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<tr>
<td>CATIA Drafting Essentials</td>
<td>24 h</td>
<td>GDR_F</td>
</tr>
<tr>
<td>CATIA Mechanical Systems Design</td>
<td>4 h</td>
<td>KIM_F</td>
</tr>
<tr>
<td>CATIA Mechanical Systems Design</td>
<td>8 h</td>
<td>KIN_F</td>
</tr>
<tr>
<td>CATIA Drafting Essentials</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CATIA Natural Assembly Essentials</td>
<td>4 h</td>
<td>LCP_F</td>
</tr>
<tr>
<td>CATIA 2D Layout for 3D Design Essentials</td>
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<th>Course Title</th>
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<tbody>
<tr>
<td>CATIA Electrical Systems Design Essentials</td>
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</tr>
<tr>
<td>CATIA Functional and Logical Design Fundamentals</td>
<td>16 h</td>
<td>FLE_F</td>
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The following courses are also recommended. They can be taken in any order.

- **CATIA Generative Wireframe and Surface Essentials**
  - 20 h
  - GS1_F

- **CATIA Natural Shape Essentials**
  - 8 h
  - LSP_F

- **CATIA Part Design Essentials**
  - 24 h
  - PDG_F

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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 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 Designers**
  - 16 h
  - 3DT_F
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 Natural Assembly Essentials**
  - 4 h
  - LCP_F

- **CATIA 2D Layout for 3D Design Essentials**
  - 8 h
  - LO1_F
CATIA
Companion for Mechanical Designer 1/2

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

- **CATIA Generative Wireframe and Surface Essentials**
  - Duration: 20 hours
  - Ref: GS1_F

- **CATIA Natural Shape Essentials**
  - Duration: 8 hours
  - Ref: LSP_F

- **CATIA Part Design Essentials**
  - Duration: 24 hours
  - Ref: PDG_F

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**
  - Duration: 8 hours
  - Ref: GTX_F

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 Designers**
  - Duration: 16 hours
  - Ref: 3DT_F
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 Natural Assembly Essentials**
  - 4 h
  - LCP_F

- **CATIA 2D Layout for 3D Design Essentials**
  - 8 h
  - LO1_F
The following course is mandatory 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.

**Gateway to the 3DEXPERIENCE Platform**

8 h  GTX_F

The following course is recommended for new 3DEXPERIENCE Platform users. They can be taken in any order.

**CATIA Natural Shape Essentials**

8h  LSP_F

**CATIA Part Design Essentials**

24 h  PDG_F

**CATIA Assembly Design Essentials**

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

**CATIA Mechanical Systems Design Essentials**
- 4 h
- KIM_F

**CATIA Natural Assembly Essentials**
- 4 h
- LCP_F

**CATIA 2D Layout for 3D Design Essentials**
- 8 h
- LO1_F
# CATIA

**Companion for Mechanical Part Designer**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Hours</th>
<th>Code</th>
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<tr>
<td><strong>Gateway to the 3DEXPERIENCE Platform</strong></td>
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<tr>
<td><strong>CATIA Part Design Essentials</strong></td>
<td>24</td>
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<td>The following courses are also recommended. They can be taken in any order.</td>
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CATIA

Companion for Mechanism Simulation Designer

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 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 Designers**

- **16 h**
- **3DT_F**

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

**CATIA Mechanical Systems Design Essentials**

- **4 h**
- **KIM-F**
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 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 Designers**
- **16 h**
- **3DT_F**

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

**CATIA 3D Tolerancing and Annotation Essentials**
- **12 h**
- **FTA_F**

**CATIA 3D Annotation Insight Essentials**
- **4 h**
- **LFT_F**

The following course is mandatory for new 3DEXPERIENCE Platform users. It should be taken prior to taking any other courses.
### The following courses are also recommended. They can be taken in any order.

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</thead>
<tbody>
<tr>
<td>Transition to the 3DEXPERIENCE Platform for Designers</td>
<td>16 h</td>
<td>3DT_F</td>
</tr>
</tbody>
</table>
The following courses are also recommended. They can be taken in any order.

- **CATIA Assembly Design Essentials**: 24 h, ASD_F
- **CATIA Drafting Essentials**: 24 h, GDR_F
- **CATIA Mechanical Systems Design Essentials**: 4 h, KIM_F
- **CATIA Natural Assembly Essentials**: 4 h, LCP_F
The following courses are also recommended. They can be taken in any order.

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

**CATIA Bent Part Design Essentials**
- 4 h
- SMB_F

**CATIA Sheet Metal Design Essentials**
- 16 h
- SMD_F
CATIA

Companion for SheetMetal Designer 4/4

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

- **CATIA Weld Design Essentials**
  - Duration: 4 h
  - Code: WDG_F

- **ENOVIA Design Review Essentials**
  - Duration: 4 h
  - Code: REEV_F
The following course is mandatory for new 3DEXPERIENCE Platform users. It should be taken prior to taking any other courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gateway to the 3DEXPERIENCE Platform</td>
<td>8 h</td>
<td>GTX_F</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>Transition to the 3DEXPERIENCE Platform for Designers</td>
<td>16 h</td>
<td>3DT_F</td>
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</tbody>
</table>

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

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<tr>
<th>Course</th>
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<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>CATIA Generative Wireframe and Surface Essentials</td>
<td>20 h</td>
<td>GS1_F</td>
</tr>
<tr>
<td>CATIA Natural Shape Essentials</td>
<td>8 h</td>
<td>LSP_F</td>
</tr>
<tr>
<td>CATIA Part Design Essentials</td>
<td>24 h</td>
<td>PDG_F</td>
</tr>
</tbody>
</table>
The following courses are also recommended. They can be taken in any order.

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<tr>
<th>Course</th>
<th>Duration</th>
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</thead>
<tbody>
<tr>
<td>CATIA Assembly Design Essentials</td>
<td>24 h</td>
<td>ASD_F</td>
</tr>
<tr>
<td>CATIA Drafting Essentials</td>
<td>24 h</td>
<td>GDR_F</td>
</tr>
<tr>
<td>CATIA Mechanical Systems Design Essentials</td>
<td>4 h</td>
<td>KIM_F</td>
</tr>
<tr>
<td>CATIA Mechanical Systems Experience</td>
<td>8 h</td>
<td>KIN_F</td>
</tr>
</tbody>
</table>
CATIA

Companion for Machine & Equipment Designer 3/5

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

- CATIA Natural Assembly Essentials
  - 4 h
  - LCP_F

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

- CATIA Bent Part Design Essentials
  - 4 h
  - SMB_F
The following courses are also recommended. They can be taken in any order.

**CATIA Sheet Metal Design Essentials**
- **16 h**
- **SMD_F**

**CATIA Weld Design Essentials**
- **4 h**
- **WDG_F**
The following courses are also recommended. They can be taken in any order.

**CATIA Piping and Tubing 3D Design Essentials**

- 16 h
- PIP_F

**ENOVIA Design Review Essentials**

- 4 h
- REEV_F
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 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 Designers
16 h 3DT_F

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

CATIA Generative Shape Develop Essentials
4 h DL1_F

CATIA Generative Shape Design Essentials
24 h GSD_F

CATIA Shape Healing Essentials
8 h HA1_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Natural Shape Essentials**
  - 8 h
  - LSP_F

- **CATIA Part Design Essentials**
  - 24 h
  - PDG_F

- **CATIA Assembly Design Essentials**
  - 24 h
  - ASD_F

- **CATIA Drafting Essentials**
  - 24 h
  - GDR_F
CATIA

Companion for Shaped Machine & Equipment Designer 3/6

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

- **CATIA Mechanical Systems Design Essentials**
  - 4 h
  - KIM_F

- **CATIA Mechanical Systems Experience**
  - 8 h
  - KIN_F

- **CATIA Natural Assembly Essentials**
  - 4 h
  - LCP_F
The following courses are also recommended. They can be taken in any order.

- **CATIA 2D Layout for 3D Design Essentials**
  - Duration: 8 h
  - Code: LO1_F

- **CATIA FreeStyle Shape Design Essentials**
  - Duration: 12 h
  - Code: FSS_F

- **CATIA Bent Part Design Essentials**
  - Duration: 4 h
  - Code: SMB_F
The following courses are also recommended. They can be taken in any order.

**CATIA Sheet Metal Design Essentials**
- 16 h
- SMD_F

**CATIA Weld Design Essentials**
- 4 h
- WDG_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Piping and Tubing 3D Design Essentials**
  - 16 h
  - PIP_F

- **ENOVIA Design Review Essentials**
  - 4 h
  - REEV_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Generative Shape Design Essentials**
  - 24 h
  - GSD_F

- **CATIA Part Design Essentials**
  - 24 h
  - PDG_F

- **CATIA Assembly Design Essentials**
  - 24 h
  - ASD_F

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 for Designers**
  - 8 h
  - GTX_F

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 Designers**
  - 16 h
  - 3DT_F
The following courses are also recommended. They can be taken in any order.

**CATIA Drafting Essentials**
- 24 h
- GDR_F

**CATIA Mechanical Systems Design Essentials**
- 4 h
- KIM_F

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

**CATIA Sheet Metal for Hydro-formed Parts Essentials**
- 8 h
- ASL_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Mechanical Systems Design Essentials**
  - 4 h
  - KIM_F

- **CATIA Mechanical Systems Experience**
  - 8 h
  - KIN_F

- **CATIA Natural Assembly Essentials**
  - 4 h
  - LCP_F
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 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 Designers
16 h 3DT_F

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

CATIA Generative Shape Develop Essentials
4 h DL1.F

CATIA Generative Shape Design Essentials
24 h GSD_F

CATIA Shape Healing Essentials
8 h HA1_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Part Design Essentials**
  - Duration: 24 h
  - Code: PDG_F

- **CATIA Assembly Design Essentials**
  - Duration: 24 h
  - Code: ASD_F

- **CATIA Drafting Essentials**
  - Duration: 24 h
  - Code: GDR_F

- **CATIA 2D Layout for 3D Design Essentials**
  - Duration: 8 h
  - Code: LO1_F
The following courses are also recommended. They can be taken in any order.

- **CATIA FreeStyle Shape Design Essentials**
  - 12 h
  - FSS_F

- **CATIA Composites Design Essentials**
  - 24 h
  - CPE_F

- **ENOVIA Design Review Essentials**
  - 4 h
  - REEV_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Generative Shape Develop Essentials**
  - Duration: 4 hours
  - Code: DL1_F

- **CATIA Generative Shape Design Essentials**
  - Duration: 24 hours
  - Code: GSD_F

- **CATIA Shape Healing Essentials**
  - Duration: 8 hours
  - Code: HA1_F

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**
  - Duration: 8 hours
  - Code: GTX_F

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 Designers**
  - Duration: 16 hours
  - Code: 3DT_F
CATIA

Companion for Composites Manufacturer 2/3

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

- **CATIA Part Design Essentials**
  - 24 h
  - PDG_F

- **CATIA Assembly Design Essentials**
  - 24 h
  - ASD_F

- **CATIA Drafting Essentials**
  - 24 h
  - GDR_F

- **CATIA 2D Layout for 3D Design Essentials**
  - 8 h
  - LO1_F
The following courses are also recommended. They can be taken in any order.

**CATIA FreeStyle Shape Design Essentials**
- 12 h
- FSS_F

**CATIA Composites Manufacturing Preparation Essentials**
- 16 h
- CPM_F

**ENOVIA Design Review Essentials**
- 4 h
- REEV_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Generative Shape Develop Essentials**
  - 4 h  
  - DL1_F

- **CATIA Generative Shape Design Essentials**
  - 24 h  
  - GSD_F

- **CATIA Shape Healing Essentials**
  - 8 h  
  - HA1_F

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**Gateway to the 3DEXPERIENCE Platform**
- 8 h  
- GTX_F

**Transition to the 3DEXPERIENCE Platform for Designers**
- 16 h  
- 3DT_F

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 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 Designers**
- 16 h  
- 3DT_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Part Design Essentials**: 24 h, PDG_F
- **CATIA Assembly Design Essentials**: 24 h, ASD_F
- **CATIA Drafting Essentials**: 24 h, GDR_F
- **CATIA 2D Layout for 3D Design Essentials**: 8 h, LO1_F
The following courses are also recommended. They can be taken in any order.

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</tr>
<tr>
<td>CATIA Composites Design Essentials</td>
<td>24 h</td>
<td>CPE_F</td>
</tr>
<tr>
<td>CATIA Composites Manufacturing Preparation Essentials</td>
<td>16 h</td>
<td>CPM_F</td>
</tr>
<tr>
<td>ENOVIA Design Review Essentials</td>
<td>4 h</td>
<td>REEV_F</td>
</tr>
</tbody>
</table>
CATIA
Companion for Systems Schematic Designer

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 Electrical Systems Design Essentials
16 h ELE_F

CATIA Functional and Logical Design Fundamentals
16 h FLE_F

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

CATIA Electrical Systems Design Essentials
16 h ELE_F

CATIA Functional and Logical Design Fundamentals
16 h FLE_F
The following courses are 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 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 Designers**
  - 16 h
  - 3DT_F

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

- **CATIA Generative Wireframe and Surface Essentials**
  - 20 h
  - GS1_F

- **CATIA Natural Shape Essentials**
  - 8 h
  - LSP_F

- **CATIA Part Design Essentials**
  - 24 h
  - PDG_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Assembly Design Essentials**
  - 24 h
  - ASD_F

- **CATIA Drafting Essentials**
  - 24 h
  - GDR_F

- **CATIA Mechanical Systems Design Essentials**
  - 4 h
  - KIM_F

- **CATIA Natural Assembly Essentials**
  - 4 h
  - LCP_F
The following courses are also recommended. They can be taken in any order.

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

**CATIA Electrical 3D Design Essentials**
- 24 h
- EHI_F

**ENOVIA Design Review Essentials**
- 4 h
- REEV_F

**ENOVIA Design Review Essentials**
- 4 h
- REEV_F
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 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 Designers**
- 16 h
- 3DT_F

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

**CATIA Generative Wireframe and Surface Essentials**
- 20 h
- GS1_F

**CATIA Natural Shape Essentials**
- 8 h
- LSP_F

**CATIA Part Design Essentials**
- 24 h
- PDG_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Assembly Design Essentials**
  - 24 h
  - ASD_F

- **CATIA Drafting Essentials**
  - 24 h
  - GDR_F

- **CATIA Mechanical Systems Design Essentials**
  - 4 h
  - KIM_F

- **CATIA Natural Assembly Essentials**
  - 4 h
  - LCP_F
The following courses are also recommended. They can be taken in any order.

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

- **CATIA Piping and Tubing 3D Design Essentials**
  - 16 h
  - PIP_F

- **ENOVIA Design Review Essentials**
  - 4 h
  - REEV_F
The following courses are also recommended. They can be taken in any order.

1. **Introduction to Enterprise Knowledge Language**
   - Duration: 4 h
   - Code: EKL_F

2. **CATIA Engineering Rules Capture Essentials**
   - Duration: 12 h
   - Code: KWA_F

3. **CATIA Engineering Templates Capture Essentials**
   - Duration: 2 h
   - Code: PKT_F

---

**Gateway to the 3DEXPERIENCE Platform**
- Duration: 8 h
- Code: GTX_F

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

Companion for Chassis Designer 1/6

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 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 Designers**

- **16 h**
- **3DT_F**

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

**CATIA Generative Shape Design Essentials**

- **24 h**
- **GSD_F**

**CATIA Shape Healing Essentials**

- **8 h**
- **HA1_F**

**CATIA Natural Shape Essentials**

- **8 h**
- **LSP_F**
The following courses are also recommended. They can be taken in any order.

- **CATIA Part Design Essentials**
  - 24 h
  - PDG_F

- **CATIA Assembly Design Essentials**
  - 24 h
  - ASD_F

- **CATIA Drafting Essentials**
  - 24 h
  - GDR_F

- **CATIA Mechanical Systems Design Essentials**
  - 4 h
  - KIM_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Mechanical Systems Experience**
  - 8 h
  - KIN_F

- **CATIA Natural Assembly Essentials**
  - 4 h
  - LCP_F

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

- **CATIA Generative Shape Develop Essentials**
  - 4 h
  - DL1_F
### CATIA

**Companion for Chassis Designer 4/6**

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

<table>
<thead>
<tr>
<th>Course</th>
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<th>Reference</th>
</tr>
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<tbody>
<tr>
<td>CATIA Digitized Shape preparation Essentials</td>
<td>8 h</td>
<td>DSE_F</td>
</tr>
<tr>
<td>CATIA FreeStyle Shape Design Essentials</td>
<td>12 h</td>
<td>FSS_F</td>
</tr>
<tr>
<td>CATIA Functional Plastic Parts Essentials</td>
<td>8 h</td>
<td>FMP_F</td>
</tr>
<tr>
<td>CATIA Know-how Reuse Essentials</td>
<td>4 h</td>
<td>KE1_F</td>
</tr>
</tbody>
</table>
The following courses are also recommended. They can be taken in any order.

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CATIA Virtual to Real Shape Morphing Essentials</td>
<td>4 h</td>
<td>RSO_F</td>
</tr>
<tr>
<td>CATIA Sheet Metal Design Essentials</td>
<td>16 h</td>
<td>SMD_F</td>
</tr>
<tr>
<td>CATIA Bent Part Design Essentials</td>
<td>4 h</td>
<td>SMB_F</td>
</tr>
<tr>
<td>CATIA Weld Design Essentials</td>
<td>4 h</td>
<td>WDG_F</td>
</tr>
</tbody>
</table>
CATIA

Companion for Chassis Designer 6/6

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

- CATIA Engineering Templates Capture Essentials
  - 2 h
  - PKT_F

- ENOVIA Design Review Essentials
  - 4 h
  - REEV_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Generative Shape Design Essentials**
  - Duration: 24h
  - Code: GSD_F

- **CATIA Shape Healing Essentials**
  - Duration: 8h
  - Code: HA1_F

- **CATIA Natural Shape Essentials**
  - Duration: 8h
  - Code: LSP_F

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**
  - Duration: 8h
  - Code: GTX_F

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 Designers**
  - Duration: 16h
  - Code: 3DT_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Part Design Essentials**
  - 24 h
  - PDG_F

- **CATIA Assembly Design Essentials**
  - 24 h
  - ASD_F

- **CATIA Drafting Essentials**
  - 24 h
  - GDR_F

- **CATIA Mechanical Systems Design Essentials**
  - 4 h
  - KIM_F
The following courses are also recommended. They can be taken in any order.

**CATIA Mechanical Systems Experience**
- 8 h  
- KIN_F

**CATIA Natural Assembly Essentials**
- 4 h  
- LCP_F

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

**CATIA Generative Shape Develop Essentials**
- 4 h  
- DL1_F
The following courses are also recommended. They can be taken in any order.

**CATIA Digitized Shape preparation Essentials**
- 8 h
- DSE_F

**CATIA FreeStyle Shape Design Essentials**
- 12 h
- FSS_F

**CATIA Functional Plastic Parts Essentials**
- 8 h
- FMP_F

**CATIA Know-how Reuse Essentials**
- 4 h
- KE1_F
The following courses are also recommended. They can be taken in any order.

CATIA Virtual to Real Shape Morphing Essentials
4 h RSO_F

CATIA Bent Part Design Essentials
4 h SMB_F

CATIA Engineering Templates Capture Essentials
8 h PKT_F

ENOVIA Design Review Essentials
4 h REEV_F
CATIA
Companion for Product Industrial Designer 1/4

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 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 Designers**
- 16 h | 3DT_F

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

**CATIA Generative Shape Design Essentials**
- 24 h | GSD_F

**CATIA Shape Healing Essentials**
- 8 h | HA1_F

**CATIA Natural Shape Essentials**
- 8 h | LSP_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Assembly Design Essentials**
  - 24 h
  - ASD_F

- **CATIA Drafting Essentials**
  - 24 h
  - GDR_F

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

- **CATIA Generative Shape Develop Essentials**
  - 4 h
  - DL1_F
The following courses are also recommended. They can be taken in any order.

- **CATIA FreeStyle Shape Design Essentials**
  - 12 h
  - FSS_F

- **CATIA Natural Assembly Essentials**
  - 4 h
  - LCP_F

- **CATIA Natural Sketch Essentials**
  - 8 h
  - NTS_F

- **CATIA Know-how Reuse Essentials**
  - 4 h
  - KE1_F
The following courses are also recommended. They can be taken in any order.

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>CATIA Engineering Templates Capture Essentials</td>
<td>2 h</td>
<td>PKT_F</td>
</tr>
<tr>
<td>ENOVIA Design Review Essentials</td>
<td>4 h</td>
<td>REEV_F</td>
</tr>
<tr>
<td>CATIA Imagine and Shape Essentials</td>
<td>8 h</td>
<td>IMA_F</td>
</tr>
</tbody>
</table>
CATIA

Companion for Physical Prototyper/Clay Modeler 1/3

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 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 Designers**
- 16 h
- 3DT_F

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

**CATIA Generative Wireframe and Surface Essentials**
- 8 h
- GS1_F

**CATIA Shape Healing Essentials**
- 8 h
- HA1_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Natural Shape Essentials**
  - Duration: 8 h
  - Code: LSP_F

- **CATIA Assembly Design Essentials**
  - Duration: 24 h
  - Code: ASD_F

- **CATIA Digitized Shape preparation Essentials**
  - Duration: 8 h
  - Code: DSE_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Virtual to Real Shape Morphing Essentials**
  - 4 h
  - RSO_F

- **CATIA FreeStyle Shape Design Essentials**
  - 12 h
  - FSS_F

- **ENOVIA Design Review Essentials**
  - 4 h
  - REEV_F
CATIA

Companion for Composites Braiding Designer 1/4

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 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 Designers
16 h  3DT_F

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

CATIA Generative Shape Design Essentials
24 h  GSD_F

CATIA Shape Healing Essentials
8 h  HA1_F

CATIA Part Design Essentials
24 h  PDG_F
CATIA

Companion for Composites Braiding Designer 2/4

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

- **CATIA Assembly Design Essentials**
  - 24 h
  - ASD_F

- **CATIA Drafting Essentials**
  - 24 h
  - GDR_F

- **CATIA 2D Layout for 3D Design Essentials**
  - 8 h
  - LO1_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Generative Shape Develop Essentials**
  - 4 h
  - DL1_F

- **CATIA FreeStyle Shape Design Essentials**
  - 12 h
  - FSS_F

- **CATIA Composites Braiding Essentials**
  - 4 h
  - CPB_F
CATIA

Companion for Composites Braiding Designer 4/4

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

- **CATIA Know-how Reuse Essentials**
  - 4 h
  - KE1_F

- **CATIA Engineering Templates Capture Essentials**
  - 8 h
  - PKT_F

- **ENOVIA Design Review Essentials**
  - 4 h
  - REEV_F
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 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 Designers

- **16 h**
- **3DT_F**

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

### CATIA Generative Wireframe and Surface Essentials

- **8 h**
- **GS1_F**

### CATIA Natural Shape Essentials

- **8 h**
- **LSP_F**

### CATIA Part Design Essentials

- **24 h**
- **PDG_F**

The following courses are also recommended.

- Gateway to the 3DEXPERIENCE Platform
- CATIA Generative Wireframe and Surface Essentials
- CATIA Natural Shape Essentials
- CATIA Part Design Essentials
The following courses are also recommended. They can be taken in any order.

**CATIA Assembly Design Essentials**
24 h  ASD_F

**CATIA Drafting Essentials**
24 h  GDR_F

**CATIA Mechanical Systems Design Essentials**
4 h  KIM_F

**CATIA Natural Assembly Essentials**
4 h  LCP_F
## CATIA

**Companion for Plastic Mechanical Designer 3/4**

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>CATIA 2D Layout for 3D Design Essentials</td>
<td>8 h</td>
<td>LO1_F</td>
</tr>
<tr>
<td>CATIA Functional Plastic Parts Essentials</td>
<td>8 h</td>
<td>FMP_F</td>
</tr>
<tr>
<td>CATIA Know-how Reuse Essentials</td>
<td>4 h</td>
<td>KE1_F</td>
</tr>
</tbody>
</table>
The following courses are also recommended. They can be taken in any order.

- **CATIA Bent Part Design Essentials**
  - 4 h
  - SMB_F

- **CATIA Engineering Templates Capture Essentials**
  - 8 h
  - PKT_F

- **ENOVIA Design Review Essentials**
  - 4 h
  - REEV_F
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 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 Designers**
- 16 h
- 3DT_F

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

**CATIA Generative Shape Design Essentials**
- 24 h
- GSD_F

**CATIA Shape Healing Essentials**
- 8 h
- HA1_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Natural Shape Essentials**
  - 8 h
  - LSP_F

- **CATIA Part Design Essentials**
  - 24 h
  - PDG_F

- **CATIA Assembly Design Essentials**
  - 24 h
  - ASD_F

- **CATIA Drafting Essentials**
  - 24 h
  - GDR_F
The following courses are also recommended. They can be taken in any order.

**CATIA Mechanical Systems Design Essentials**
- 4 h
- KIM_F

**CATIA Natural Assembly Essentials**
- 4 h
- LCP_F

**CATIA 3D Annotation Insight Essentials**
- 4 h
- LFT_F

**CATIA 2D Layout for 3D Design Essentials**
- 8 h
- LO1_F
The following courses are also recommended. They can be taken in any order.

<table>
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<tr>
<th>Course</th>
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<tr>
<td>CATIA FreeStyle Shape Design Essentials</td>
<td>12 h</td>
<td>FSS_F</td>
</tr>
<tr>
<td>CATIA Functional Plastic Parts Essentials</td>
<td>8 h</td>
<td>FMP_F</td>
</tr>
<tr>
<td>CATIA Bent Part Design Essentials</td>
<td>4 h</td>
<td>SMB_F</td>
</tr>
<tr>
<td>CATIA Generative Shape Develop Essentials</td>
<td>4 h</td>
<td>DL1_F</td>
</tr>
</tbody>
</table>
The following courses are also recommended. They can be taken in any order.

- **CATIA Know-how Reuse Essentials**
  - 4 h
  - KE1_F

- **CATIA Engineering Templates Capture Essentials**
  - 2 h
  - PKT_F

- **ENOVIA Design Review Essentials**
  - 4 h
  - REEV_F
CATIA

Companion for Preliminary Steel Structure Designer 1/4

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 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 Designers

16 h
3DT_F

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

CATIA Generative Wireframe and Surface Essentials

8 h
GS1_F

CATIA Natural Shape Essentials

8 h
LSP_F

CATIA Part Design Essentials

24 h
PDG_F

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

Gateway to the 3DEXPERIENCE Platform

8 h
GTX_F

Transition to the 3DEXPERIENCE Platform for Designers

16 h
3DT_F

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

CATIA Generative Wireframe and Surface Essentials

8 h
GS1_F

CATIA Natural Shape Essentials

8 h
LSP_F

CATIA Part Design Essentials

24 h
PDG_F

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

- **CATIA Assembly Design Essentials**
  - Duration: 24 h
  - Code: ASD_F

- **CATIA Drafting Essentials**
  - Duration: 24 h
  - Code: GDR_F

- **CATIA Mechanical Systems Design Essentials**
  - Duration: 4 h
  - Code: KIM_F

- **CATIA Natural Assembly Essentials**
  - Duration: 4 h
  - Code: LCP_F
The following courses are also recommended. They can be taken in any order.

<table>
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<tr>
<th>Course Description</th>
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<tbody>
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<td>CATIA 2D Layout for 3D Design Essentials</td>
<td>8 h</td>
<td>LO1_F</td>
</tr>
<tr>
<td>CATIA Structure Functional Design Essentials</td>
<td>16 h</td>
<td>SFD_F</td>
</tr>
<tr>
<td>CATIA Bent Part Design Essentials</td>
<td>4 h</td>
<td>SMB_F</td>
</tr>
</tbody>
</table>
The following courses are also recommended. They can be taken in any order.

- **CATIA Know-how Reuse Essentials**
  - 4 h
  - KE1_F

- **CATIA Engineering Templates Capture Essentials**
  - 8 h
  - PKT_F

- **ENOVIA Design Review Essentials**
  - 4 h
  - REEV_F

CATIA Companion for Preliminary Steel Structure Designer 4/4
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 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 Designers**
- 16 h
- 3DT_F

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

**CATIA Generative Wireframe and Surface Essentials**
- 8 h
- GS1_F

**CATIA Natural Shape Essentials**
- 8 h
- LSP_F

**CATIA Part Design Essentials**
- 24 h
- PDG_F

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

**Gateway to the 3DEXPERIENCE Platform**
- 8 h
- GTX_F

**CATIA Generative Wireframe and Surface Essentials**
- 8 h
- GS1_F

**CATIA Natural Shape Essentials**
- 8 h
- LSP_F

**CATIA Part Design Essentials**
- 24 h
- PDG_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Assembly Design Essentials**
  - 24 h
  - ASD_F

- **CATIA Drafting Essentials**
  - 24 h
  - GDR_F

- **CATIA Mechanical Systems Design Essentials**
  - 4 h
  - KIM_F

- **CATIA Natural Assembly Essentials**
  - 4 h
  - LCP_F
CATIA

Companion for Steel Structure Designer 3/4

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

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

- **CATIA Structure Functional Design Essentials**
  - 24 h
  - SFD_F

- **CATIA Bent Part Design Essentials**
  - 4 h
  - SMB_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Know-how Reuse Essentials**
  - 4 h
  - KE1_F

- **CATIA Engineering Templates Capture Essentials**
  - 8 h
  - PKT_F

- **ENOVIA Design Review Essentials**
  - 4 h
  - REEV_F
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**

- **3DT_F** 8 h

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 Designers**

- **3DT_F** 16 h

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

**CATIA Generative Wireframe and Surface Essentials**

- **GS1_F** 8 h

**CATIA Shape Healing Essentials**

- **HA1_F** 8 h

**CATIA Natural Shape Essentials**

- **LSP_F** 8 h
The following courses are also recommended. They can be taken in any order.

- **CATIA Part Design Essentials**
  - 24 h
  - PDG_F

- **CATIA Assembly Design Essentials**
  - 24 h
  - ASD_F

- **CATIA Drafting Essentials**
  - 24 h
  - GDR_F

- **CATIA Mechanical Systems Design Essentials**
  - 4 h
  - KIM_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Natural Assembly Essentials**
  - 4 h
  - LCP_F

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

- **CATIA Functional Plastic Parts Essentials**
  - 8 h
  - FMP_F
The following courses are also recommended. They can be taken in any order.

- **CATIA Bent Part Design Essentials**
  - 4 h
  - SMB_F

- **CATIA Sheet Metal Design Essentials**
  - 16 h
  - SMD_F

- **CATIA Know-how Reuse Essentials**
  - 4 h
  - KE1_F

- **CATIA Engineering Templates Capture Essentials**
  - 8 h
  - PKT_F

- **ENOVIA Design Review Essentials**
  - 4 h
  - REEV_F