

**3D**EXPERIENCE

# Global Education

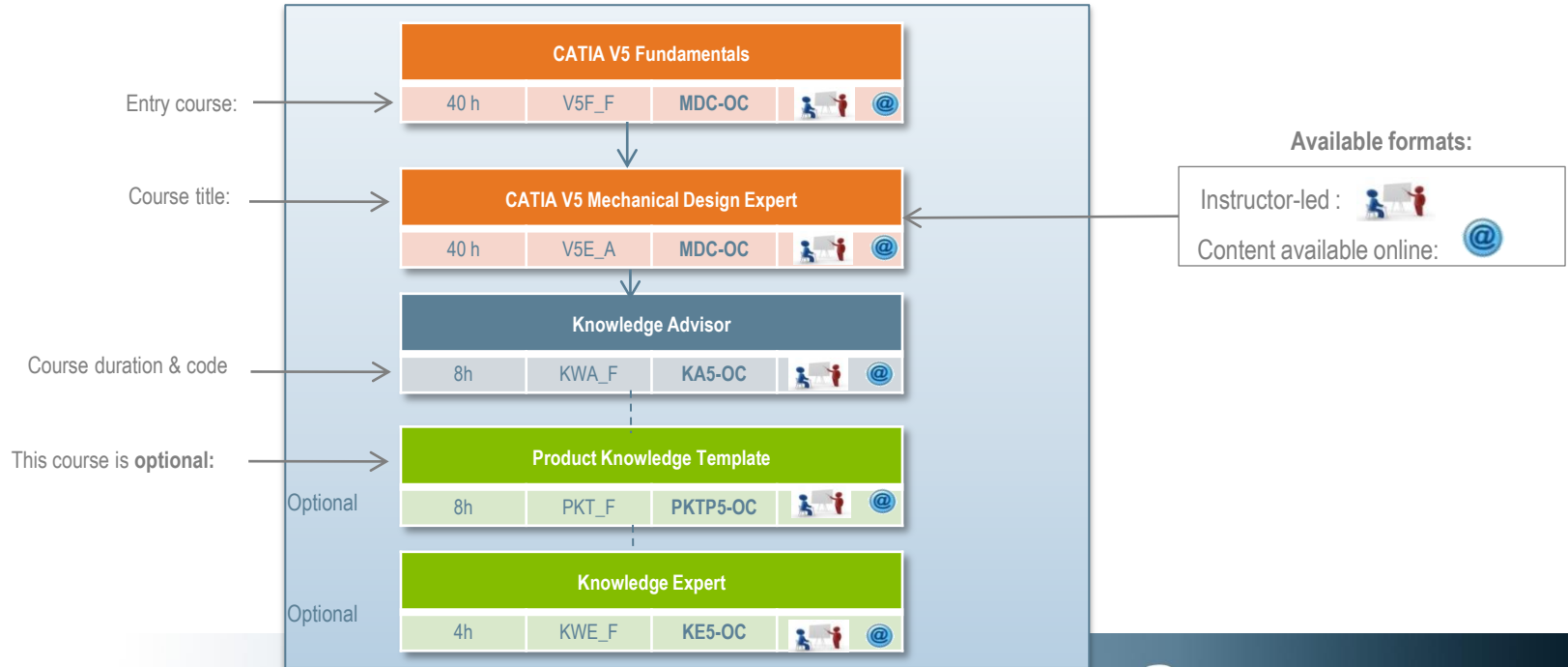
## Version 5 Learning Paths

November 2016

# How to read the learning path?



Brand → **CATIA V5**

User profile → **Mechanical Designer / CAD Designer**

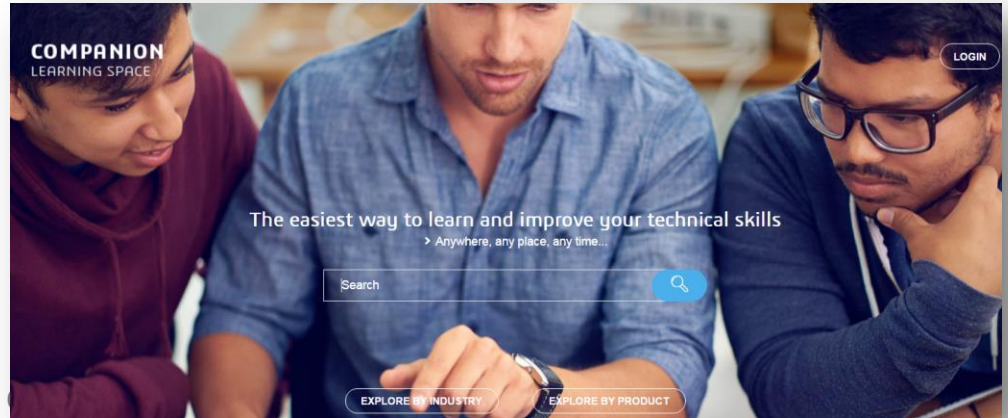


# More information

## 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



- ▷ More information on **certification**

<http://www.3ds.com/education/3ds-university/testing-and-certification/how-to-get-certified>

# V5 learning paths by user profile

7. CATIA V5 - **Mechanical Designer** / Draftsmen
8. CATIA V5 - **Mechanical Designer** / CAD Designer
10. CATIA V5 - **Mechanical Designer** / Product Architect /Standards Manager
12. CATIA V5 - **Mechanical Designer** / IT System Engineer/CAD Administrator
13. CATIA V5 - **CATIA V5 Aerospace** / Designers
14. CATIA V5 - **CATIA V5 Aerospace** / Reviewers
15. CATIA V5 - **Surface Designer** / Styling Designer
17. CATIA V5 - **Surface Designer** / Aesthetical Shape Designer
20. CATIA V5 - **Surface Designer** / Functional Shape Designer
22. CATIA V5 - **Specialized Designer** / Composite Designer
23. CATIA V5 - **Specialized Designer** / Composite Manufacturing Engineer
24. CATIA V5 - **Specialized Designer** / Sheetmetal Design
25. CATIA V5 - **Specialized Designer** / Mold and Die Design

# V5 learning paths by user profile

27. CATIA V5 - **Digital Mock Up** / Design Reviewer
28. CATIA V5 - **Digital Mock Up** / Mechanism Simulation / Assembly Simulation
30. CATIA V5 - **Digital Mock Up** / Human Simulation Ergonomics
31. CATIA V5 - **Digital Mock Up** / Realistic Rendering / Perceived Quality Specialist
33. CATIA V5 - **Analysis** / Designer
35. CATIA V5 - **Analysis** / Engineer
36. CATIA V5 - **Analysis** / Specialist
37. CATIA V5 - **Machining** / Mill and Turn
39. CATIA V5 - **Machining** / Prismatic Machined Parts
41. CATIA V5 - **Machining** / Mold and Die
44. CATIA V5 - **Machining** / Machined Parts
47. CATIA V5 - **Electrical** / Electronic Engineer
48. CATIA V5 - **Electrical** / Wire Harness Designer and Installer
50. CATIA V5 - **Electrical** / Standards, Catalog and Specification Manager

# V5 learning paths by user profile

- 52. CATIA V5 - **Electrical** / *Electrical Documentation and Harness Manufacturing*
- 53. CATIA V5 - **Tubing** / *System Engineer (2D)*
- 54. CATIA V5 - **Tubing** / *System Designer (3D)*
- 55. CATIA V5 - **Tubing** / *Standards, Catalog & Specification Administrator*
- 57. CATIA V5 - **Piping** / *System Engineer*
- 58. CATIA V5 - **Piping** / *Piping Designer*
- 59. CATIA V5 - **Piping** / *Standards, Catalog and Specification Manager*
- 61. CATIA V5 - **Shipbuilding Hull Structure** / *Functional Designer*
- 62. CATIA V5 - **IT/System Administrator** / *IT System Engineer*
- 63. CATIA V5 - **CATIA V5 to V6 Transition** / *Mechanical Designer*

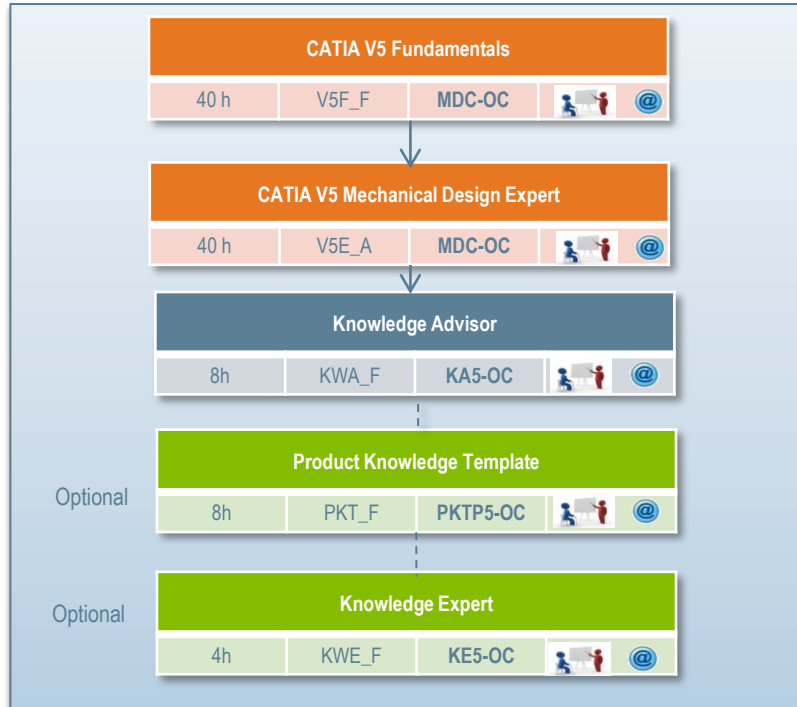
# CATIA V5

## Mechanical Designer / Draftsmen



# CATIA V5

## Mechanical Designer / CAD Designer - 1/2





# CATIA V5

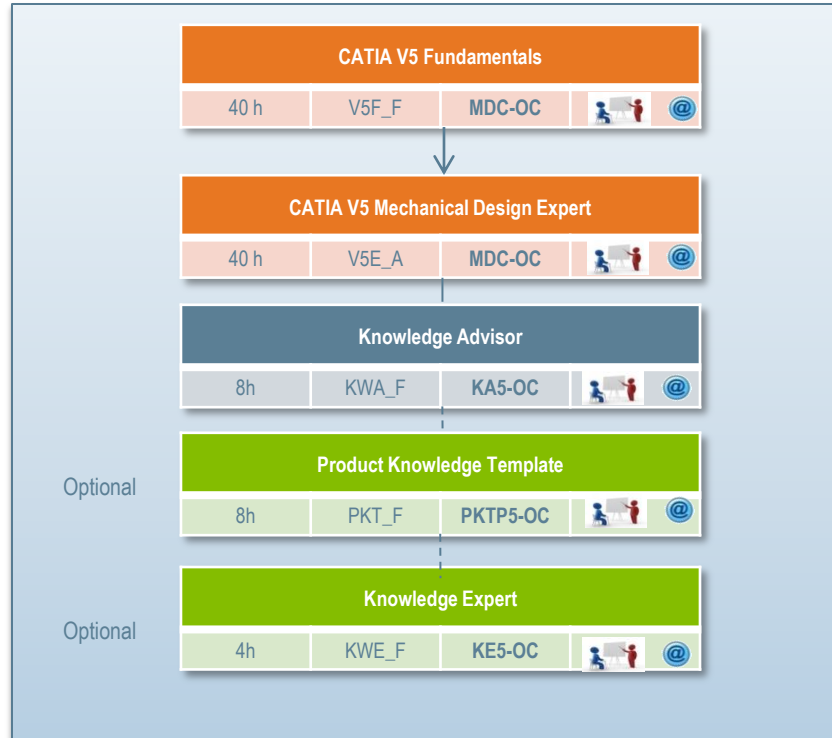
## Mechanical Designer / CAD Designer - 2/2



Optional	<b>Product Engineering Optimizer</b>	8h	PEO_F	PEOP5-OC			
Optional	<b>2D Layout for 3D Design</b>	8h	LO1_F	LO5-OC			
	<b>3D Functional Tolerancing and Annotation</b>	16h	FTA_F	FT5-OC			
	<b>CATIA V5 Analysis</b>	8h	V5A_F	SAS-OC			
Optional	<b>Generative Dynamic Response Analysis</b>	4h	GDY_F	EA5-OC			
Optional	<b>CATIA V5 Automation</b>	24h	VBA_F	VBAP5-OC			

# CATIA V5

## Mechanical Designer / Product Architect / Standards Manager - 1/2



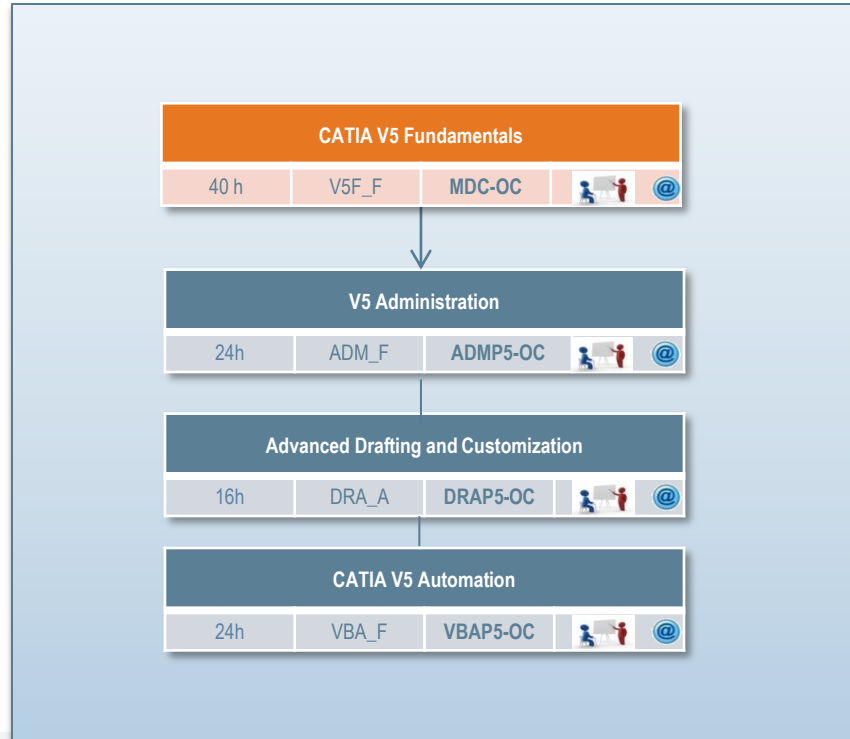
# CATIA V5

## Mechanical Designer / Product Architect / Standards Manager - 2/2



# CATIA V5

## Mechanical Designer / IT System Engineer/CAD Administrator



# CATIA V5

## CATIA V5 Aerospace / Designers



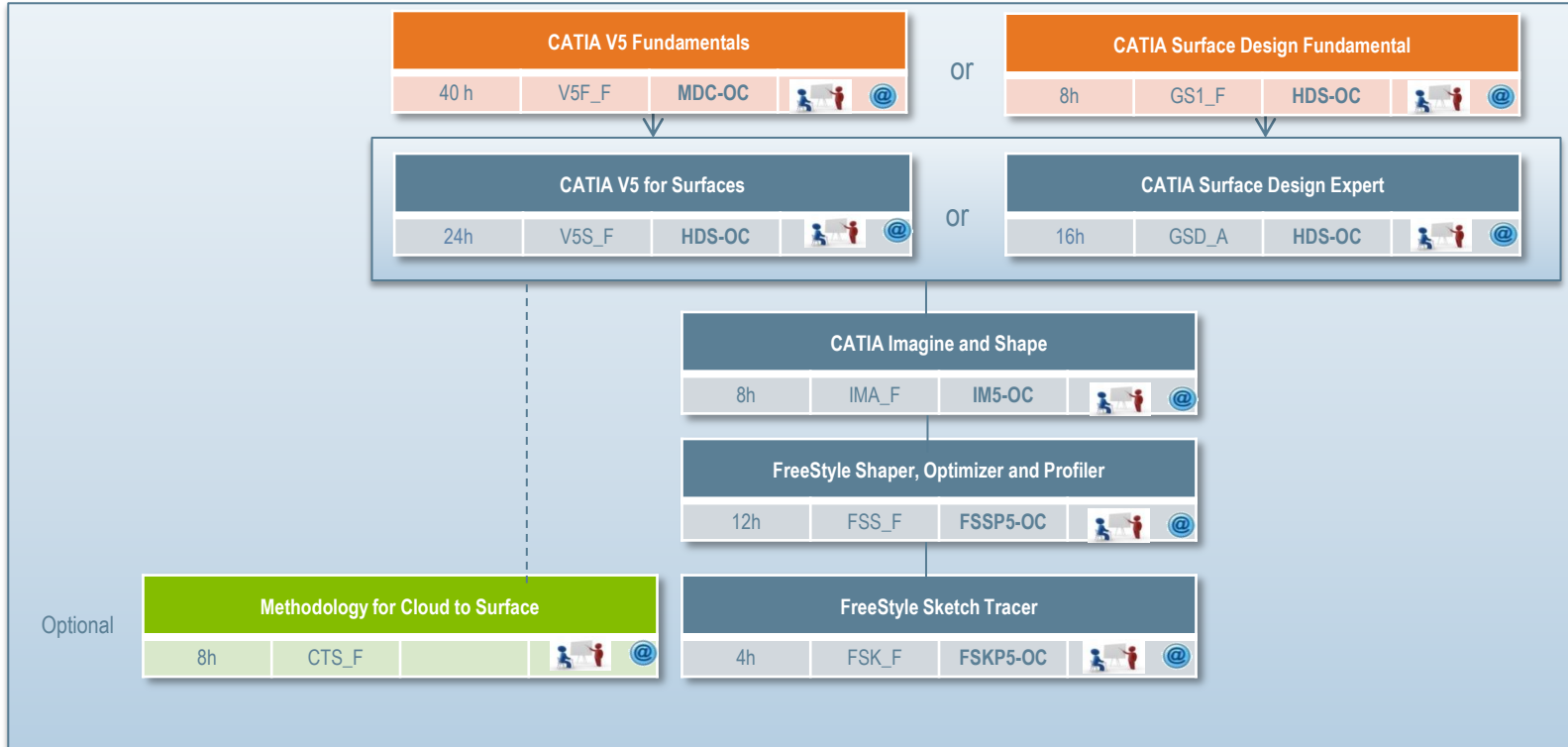
# CATIA V5

## CATIA V5 Aerospace / Reviewers



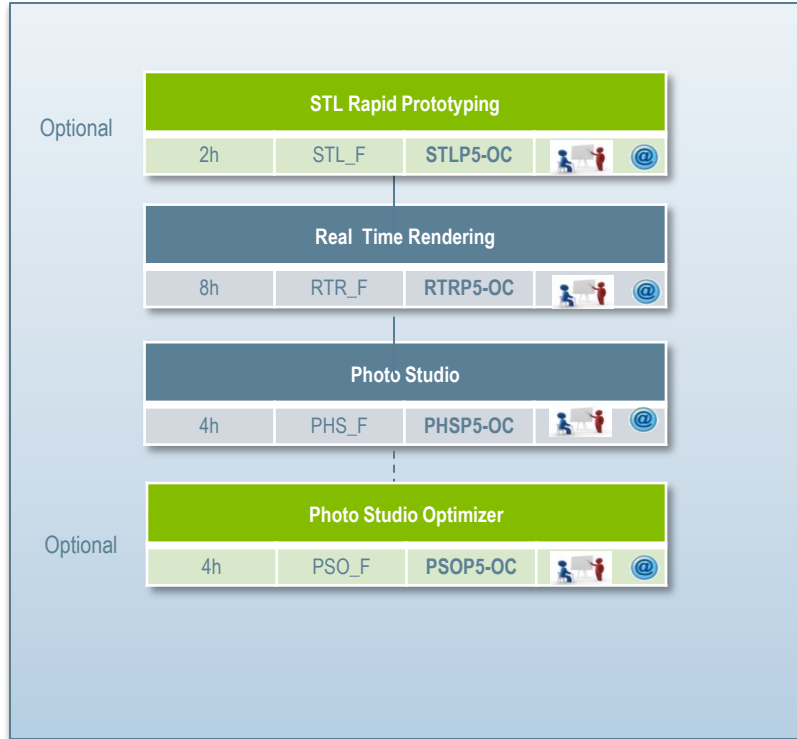
# CATIA V5

## Surface Designer /Styling Designer -1/2



# CATIA V5

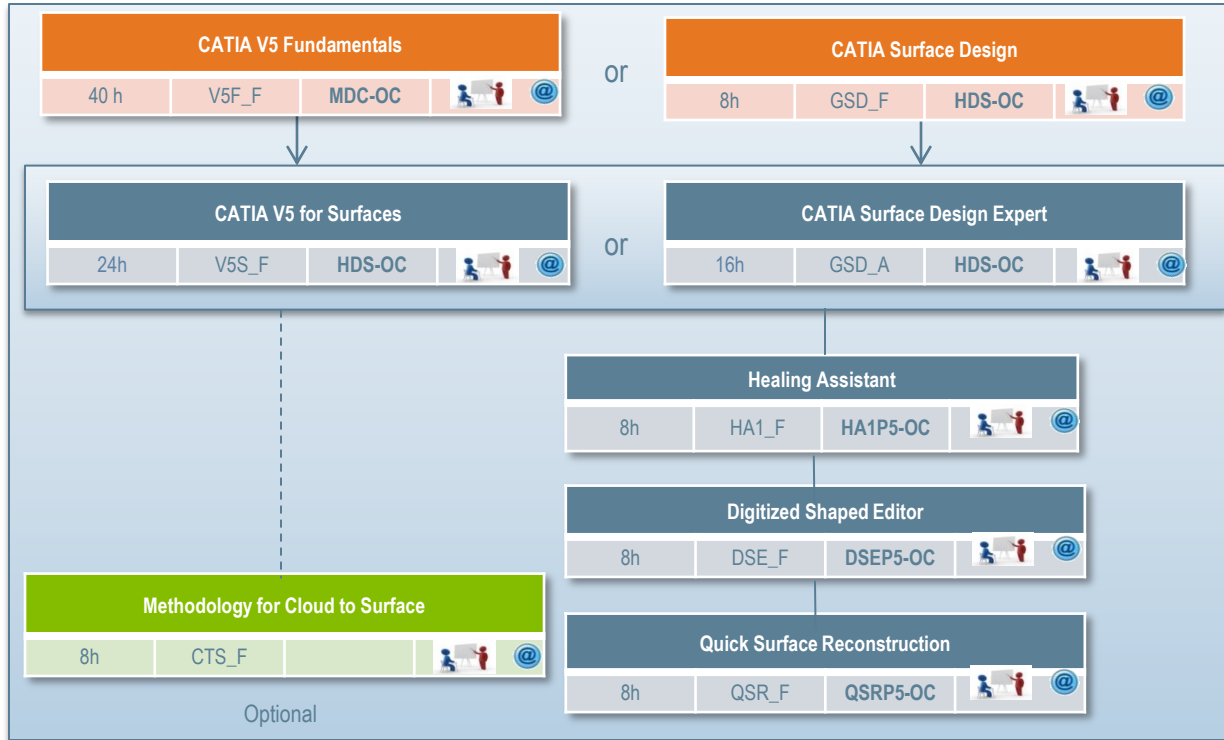
## Surface Designer /Styling Designer - 2/2





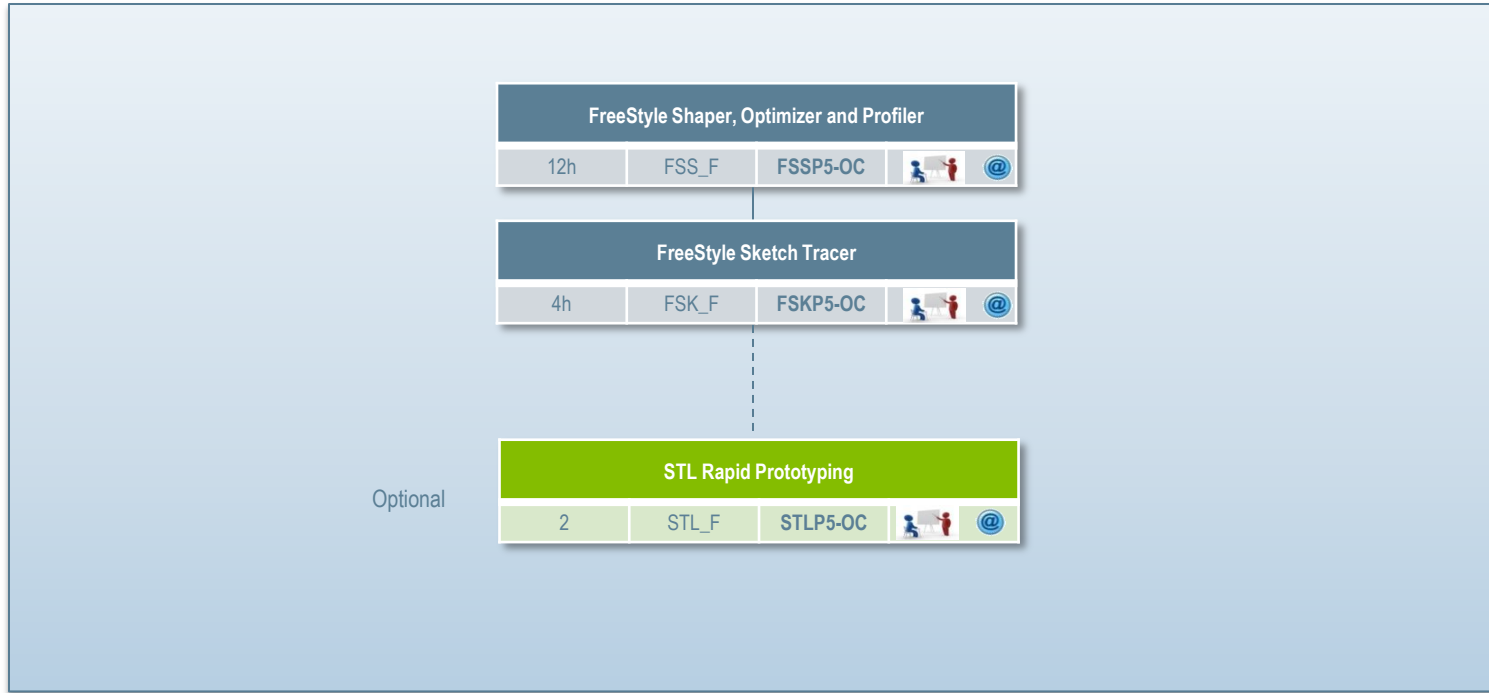
# CATIA V5

## Surface Designer / Aesthetical Shape Designer - 1/3



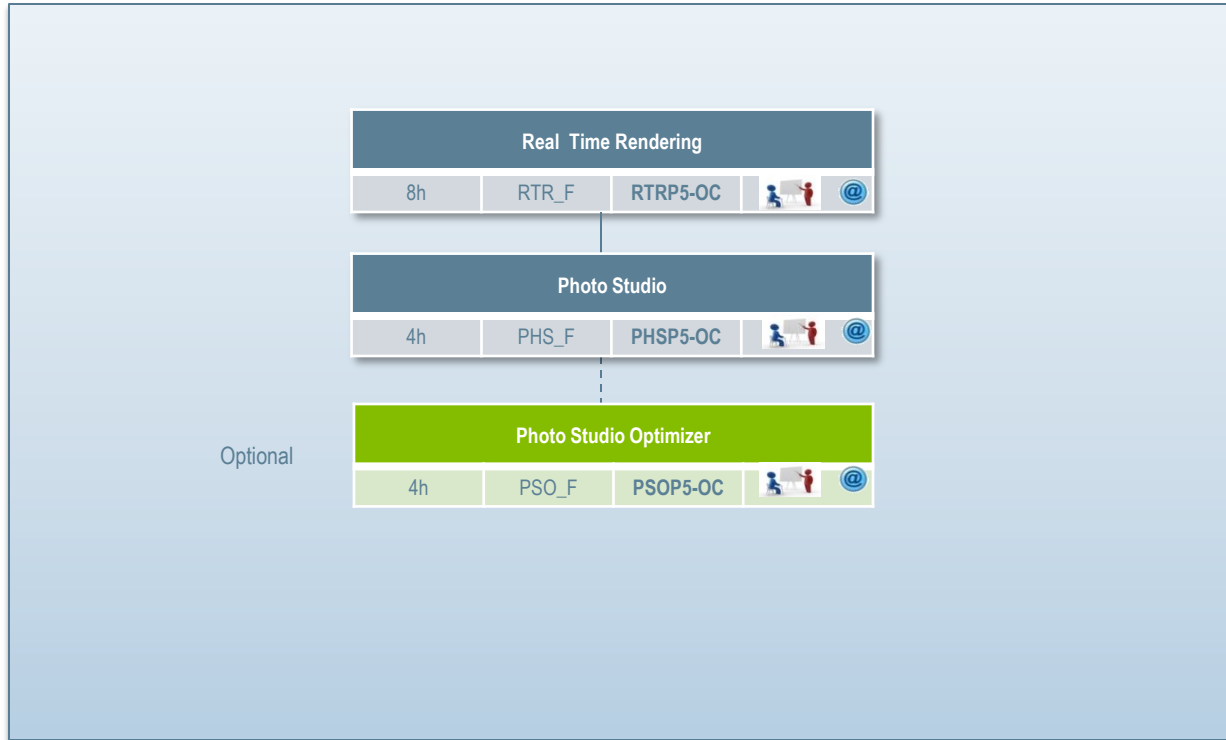
# CATIA V5

## Surface Designer / Aesthetical Shape Designer - 2/3



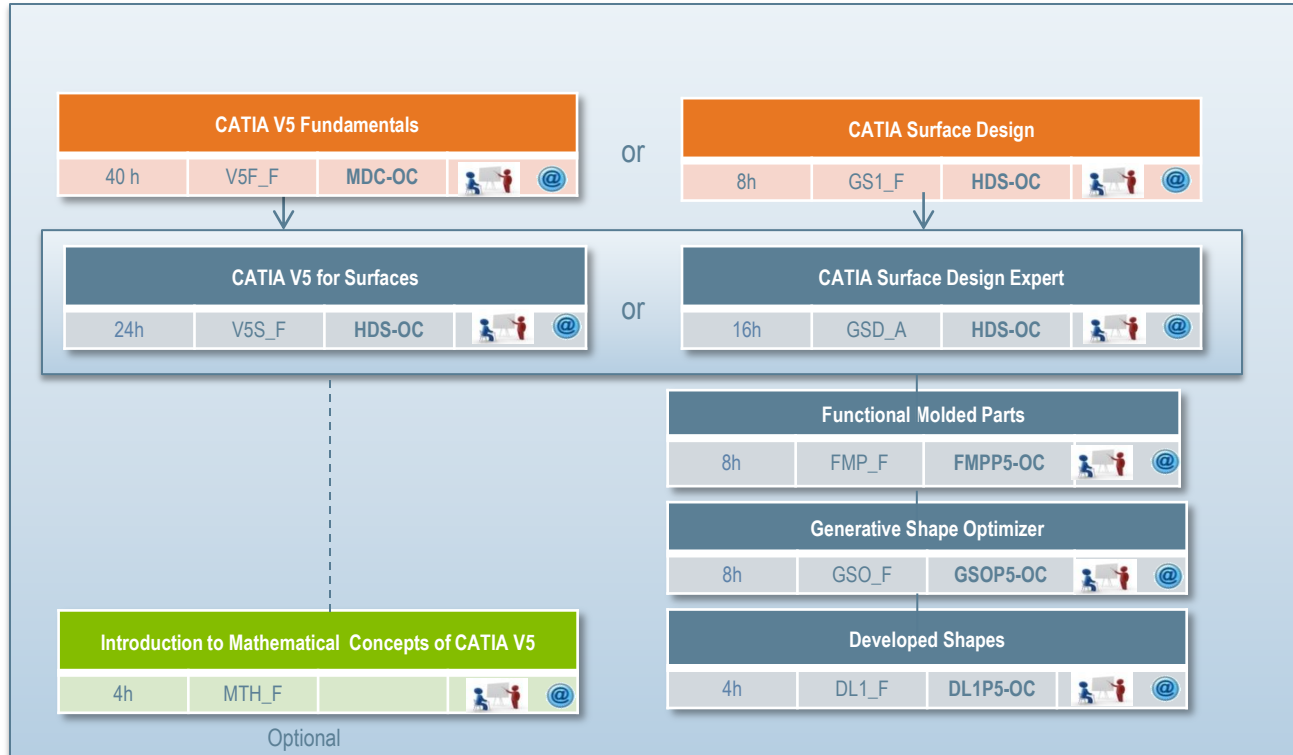
# CATIA V5

## Surface Designer / Aesthetical Shape Designer - 3/3



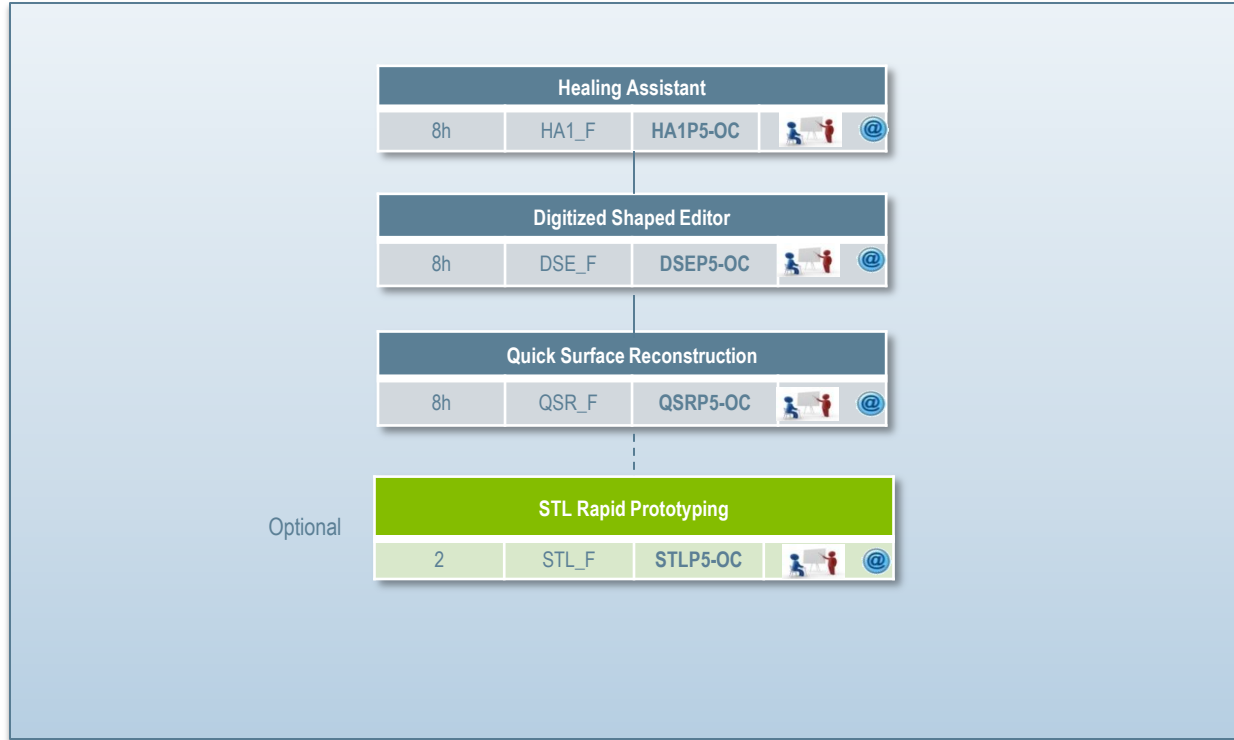
# CATIA V5

## Surface Designer / Functional Shape Designer - 1/2



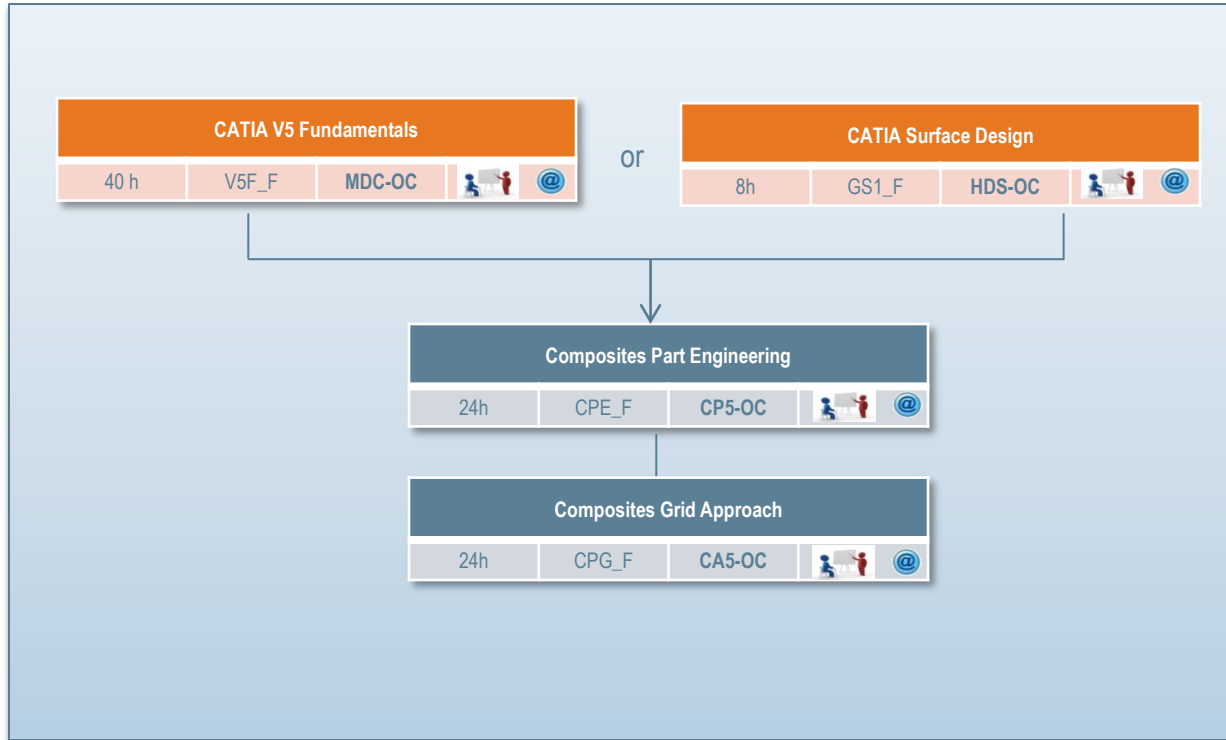
# CATIA V5

## Surface Designer / Functional Shape Designer - 2/2



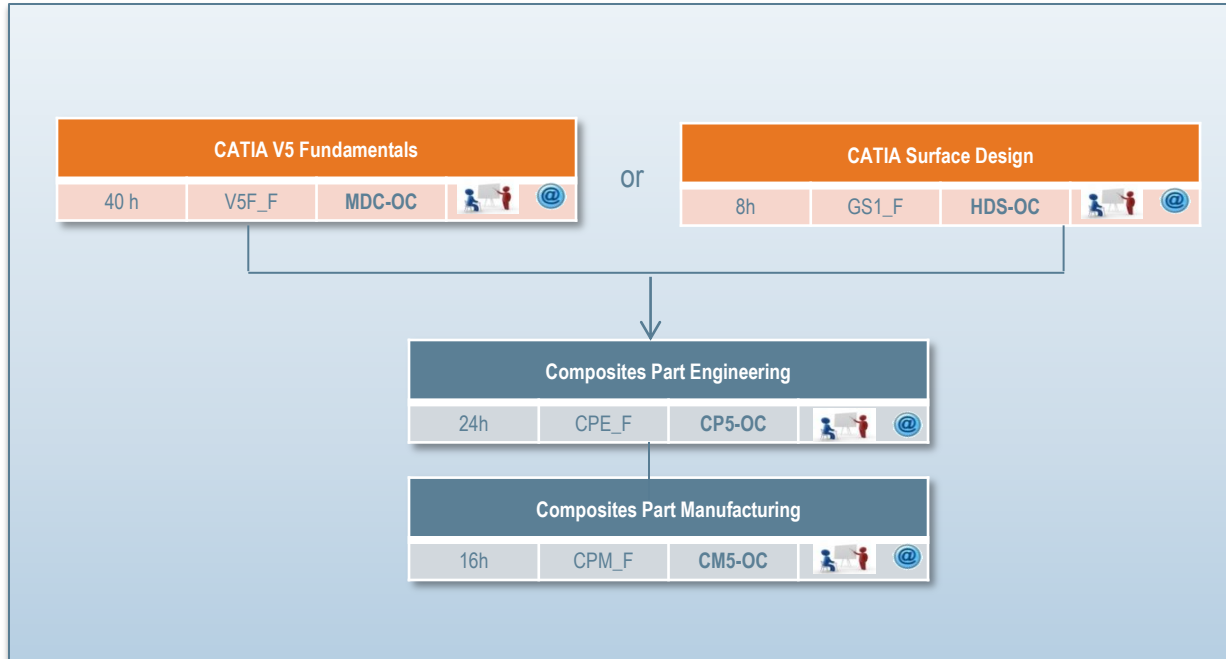
# CATIA V5

## Specialized Designer / Composite Designer



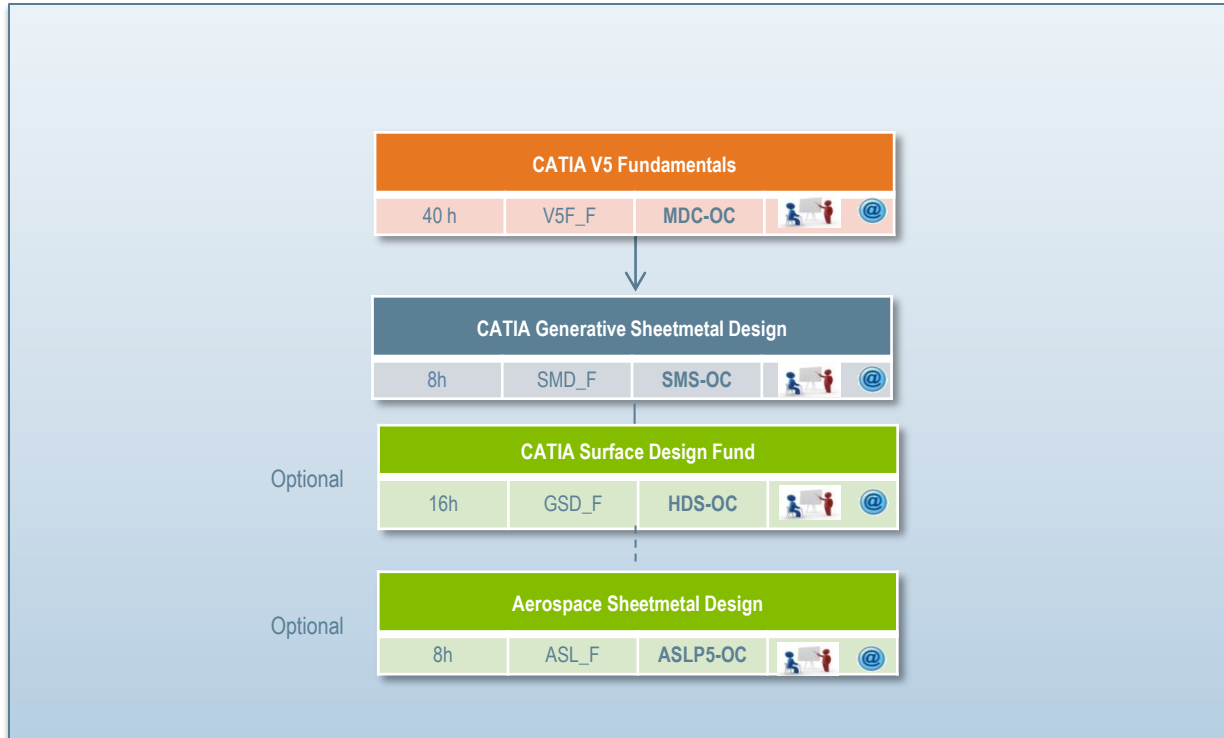
# CATIA V5

## Specialized Designer / Composite Manufacturing Engineer



# CATIA V5

## Specialized Designer / Sheetmetal Design





# CATIA V5

## Specialized Designer / Mold and Die Design - 1/2



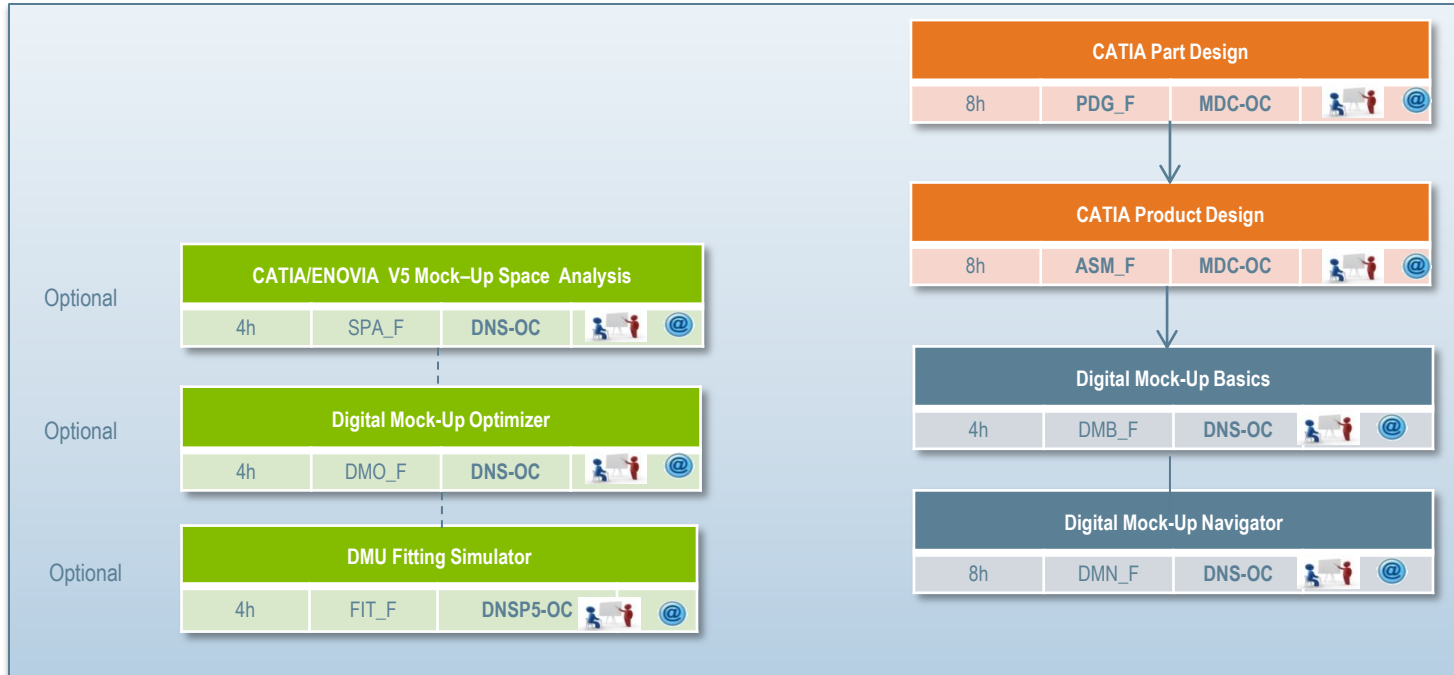
# CATIA V5

## Specialized Designer / Mold and Die Design - 2/2



# CATIA V5

## Digital Mock Up / Design Reviewer



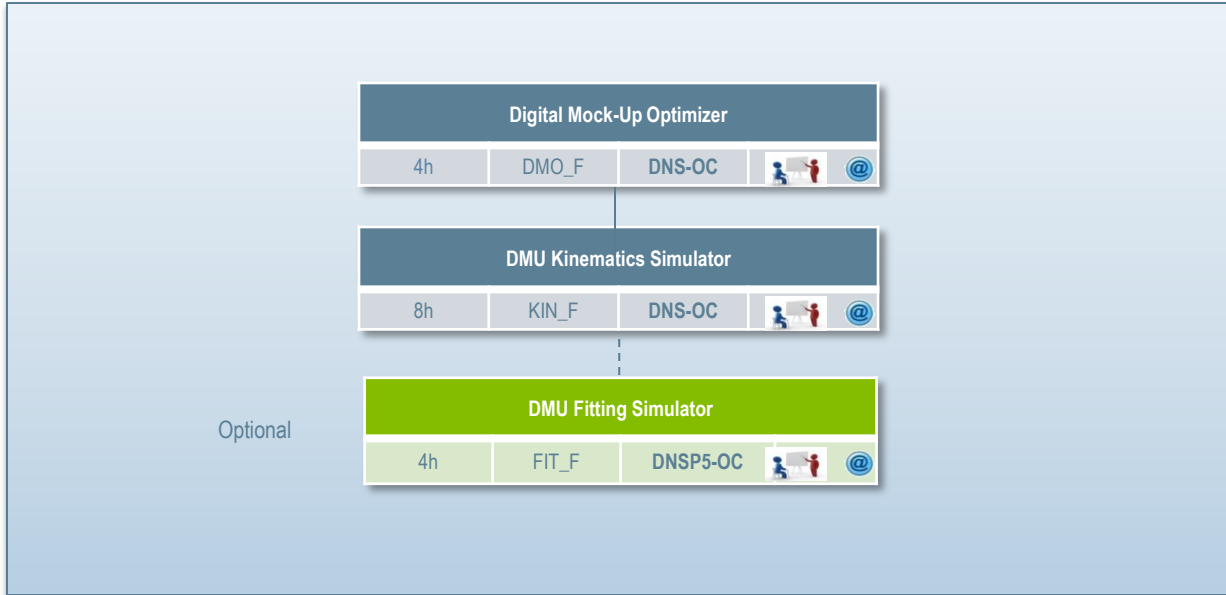
# CATIA V5

## Digital Mock Up / Mechanism Simulation / Assembly Simulation - 1/2



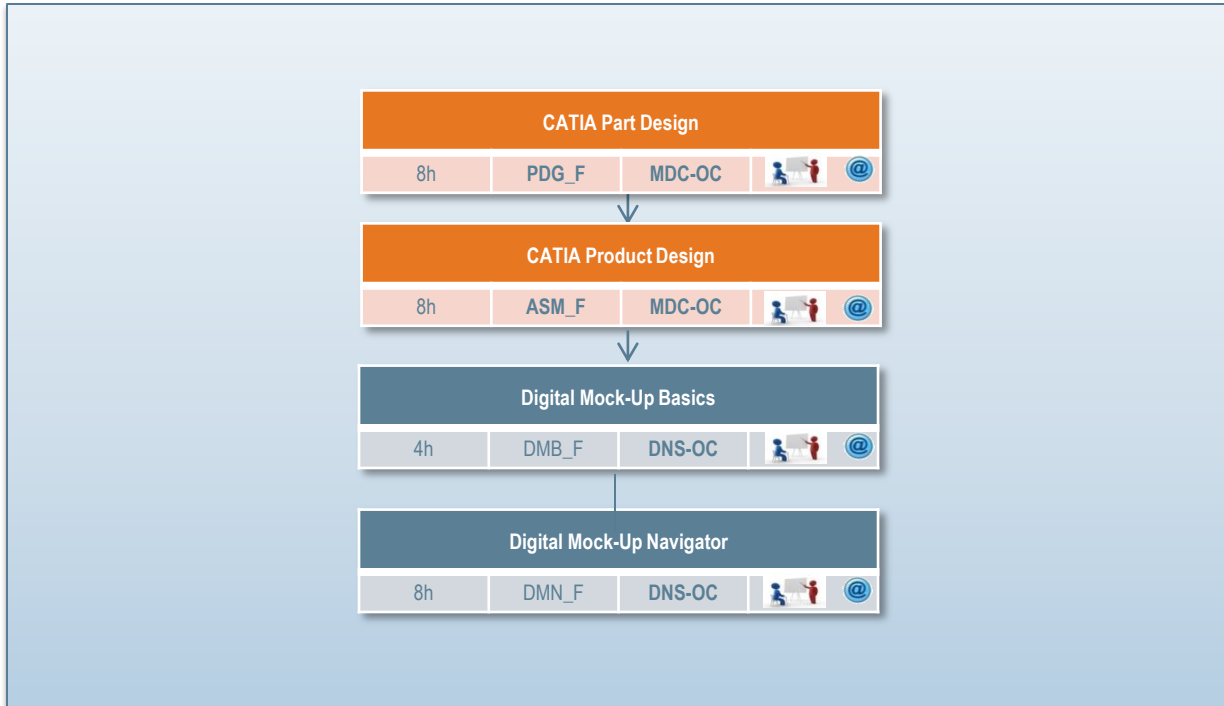
# CATIA V5

## Digital Mock Up / Mechanism Simulation / Assembly Simulation - 2/2



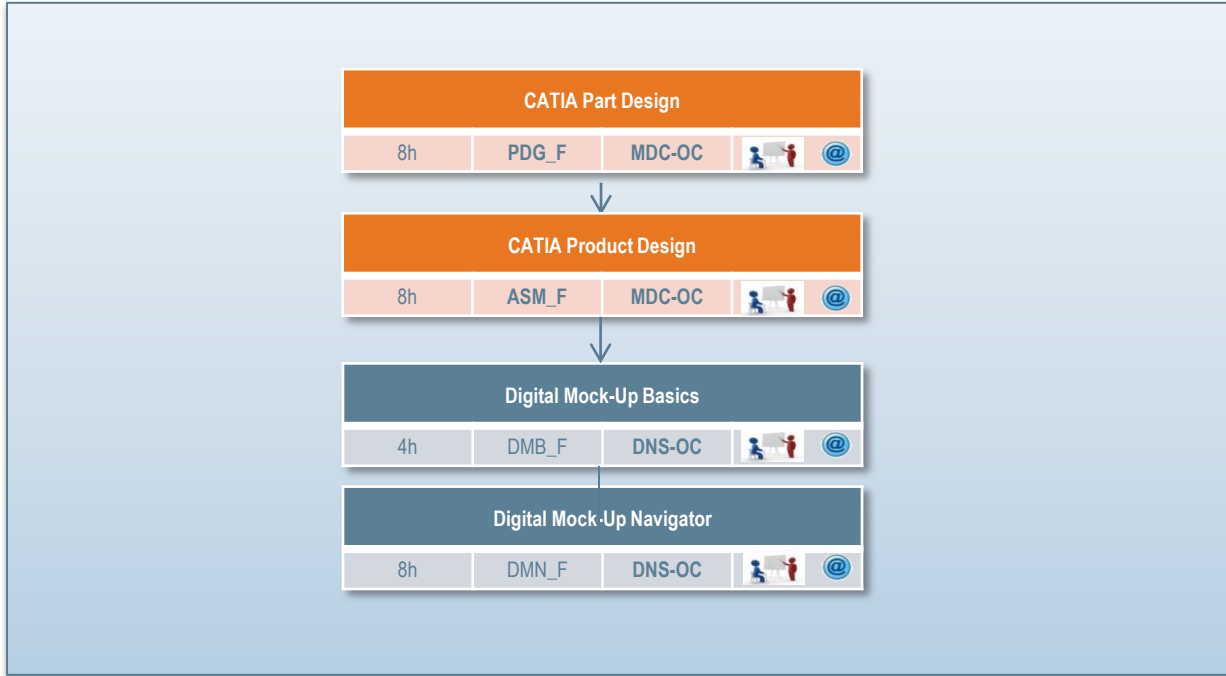
# CATIA V5

## Digital Mock Up / Human Simulation Ergonomics



# CATIA V5

## Digital Mock Up / Realistic Rendering / Perceived Quality Specialist - 1/2



# CATIA V5

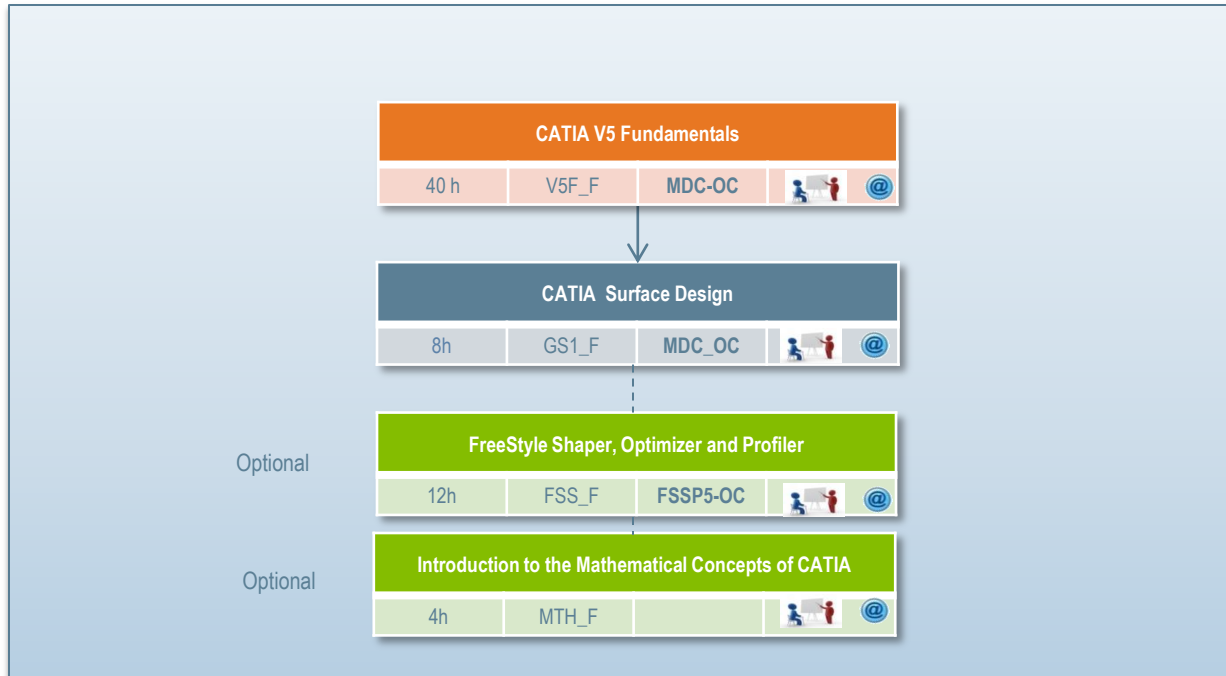
## Digital Mock Up / Realistic Rendering / Perceived Quality Specialist 2/2





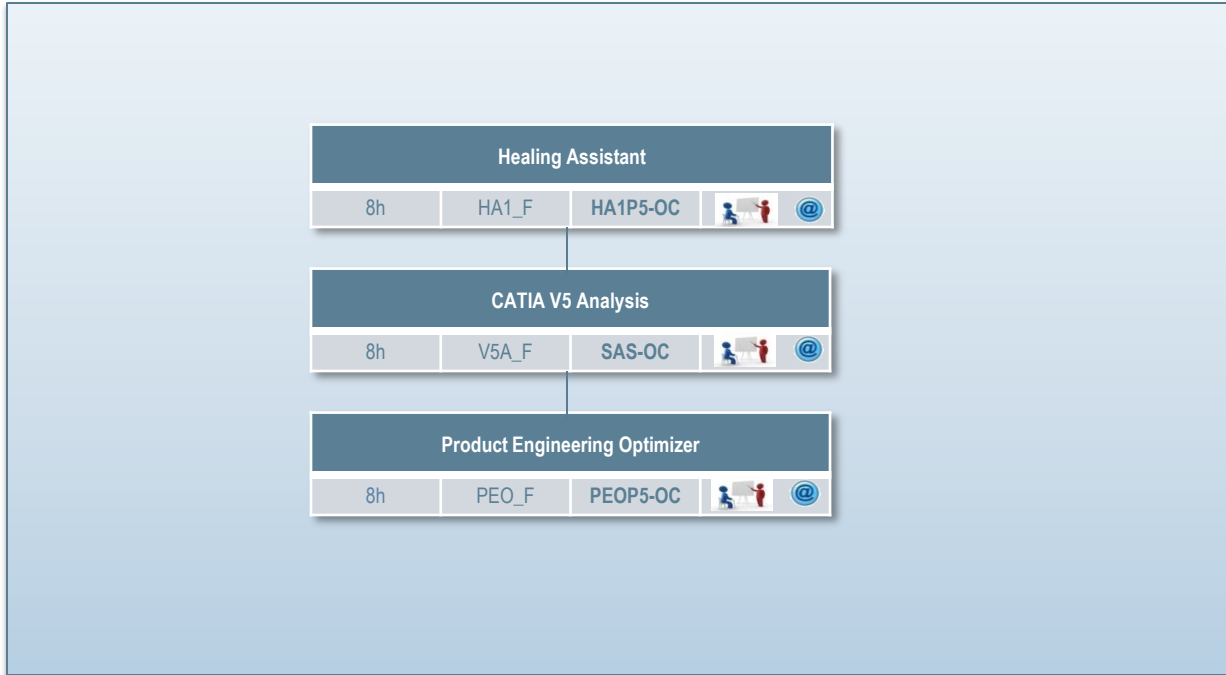
# CATIA V5

## Analysis / Designer - 1/2



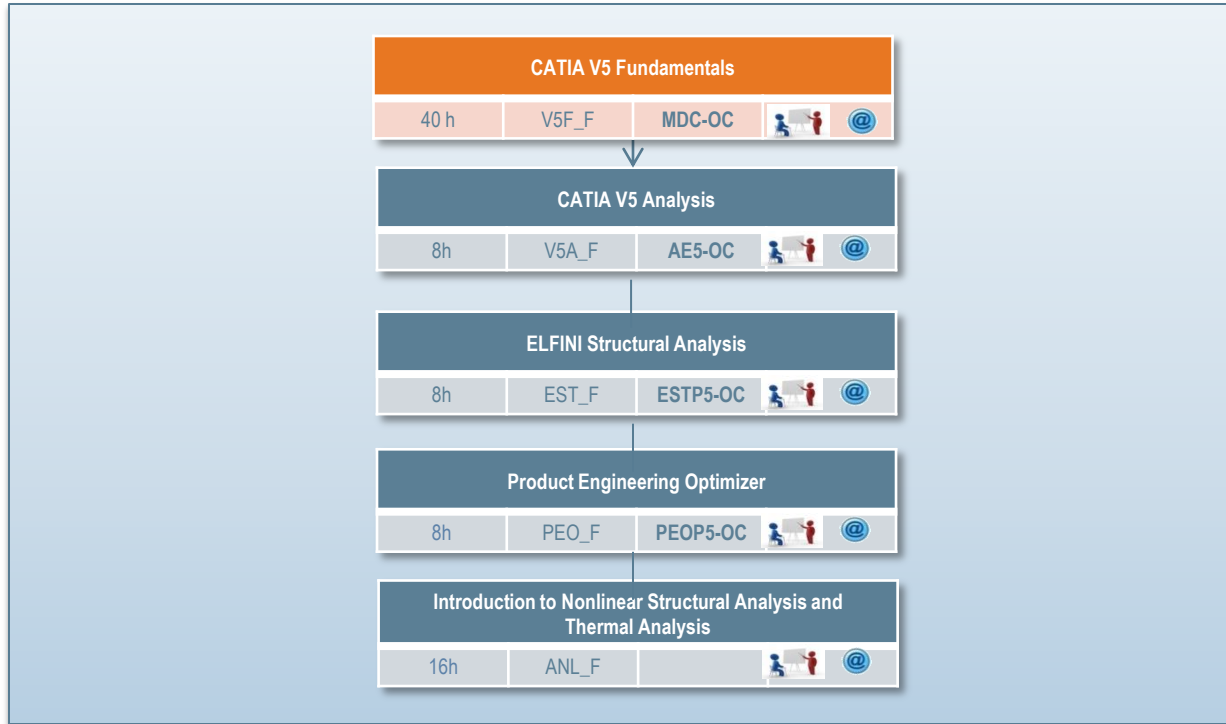
# CATIA V5

## Analysis / Designer - 2/2



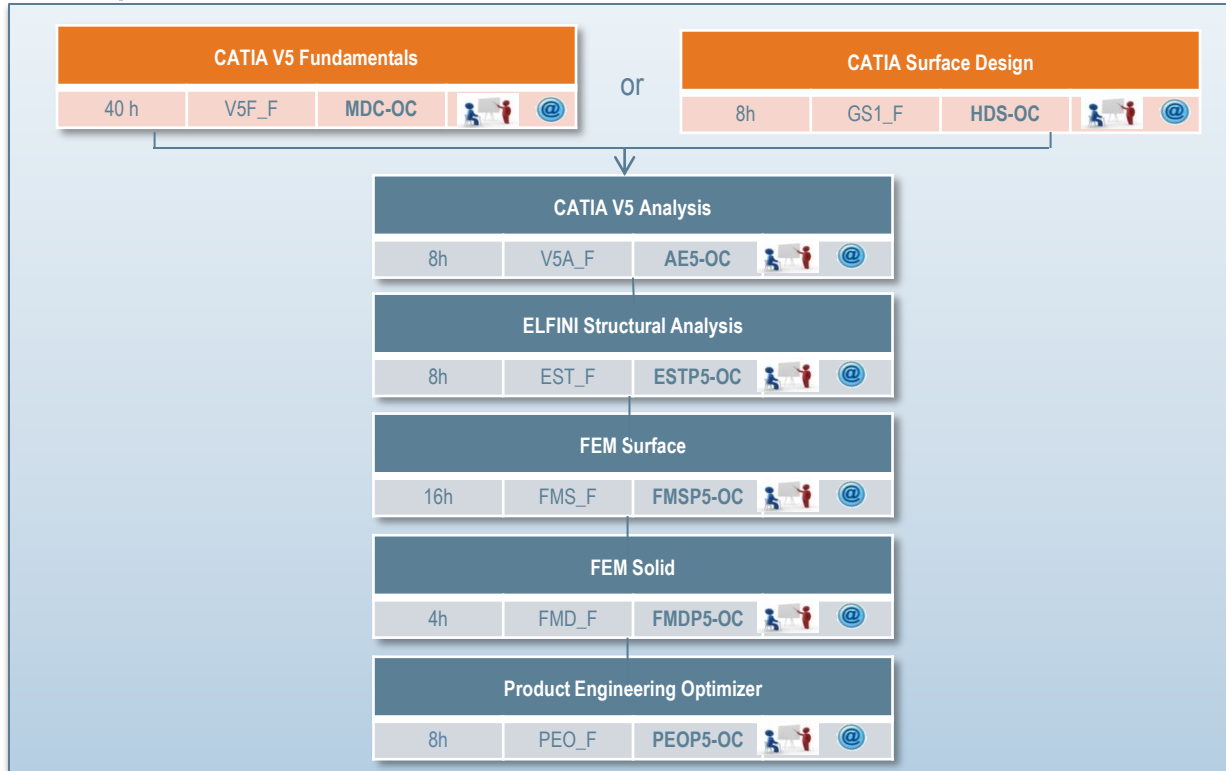
# CATIA V5

## Analysis / Engineer



# CATIA V5

## Analysis / Specialist



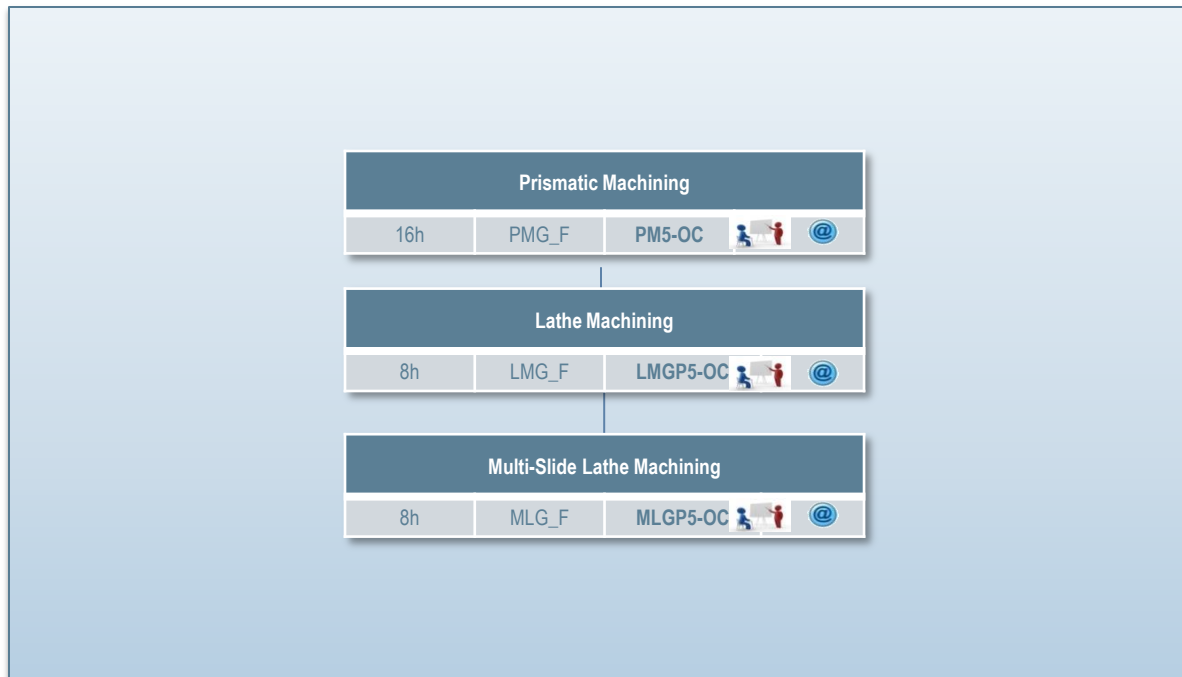
# CATIA V5

## Machining / Mill and Turn 1/2



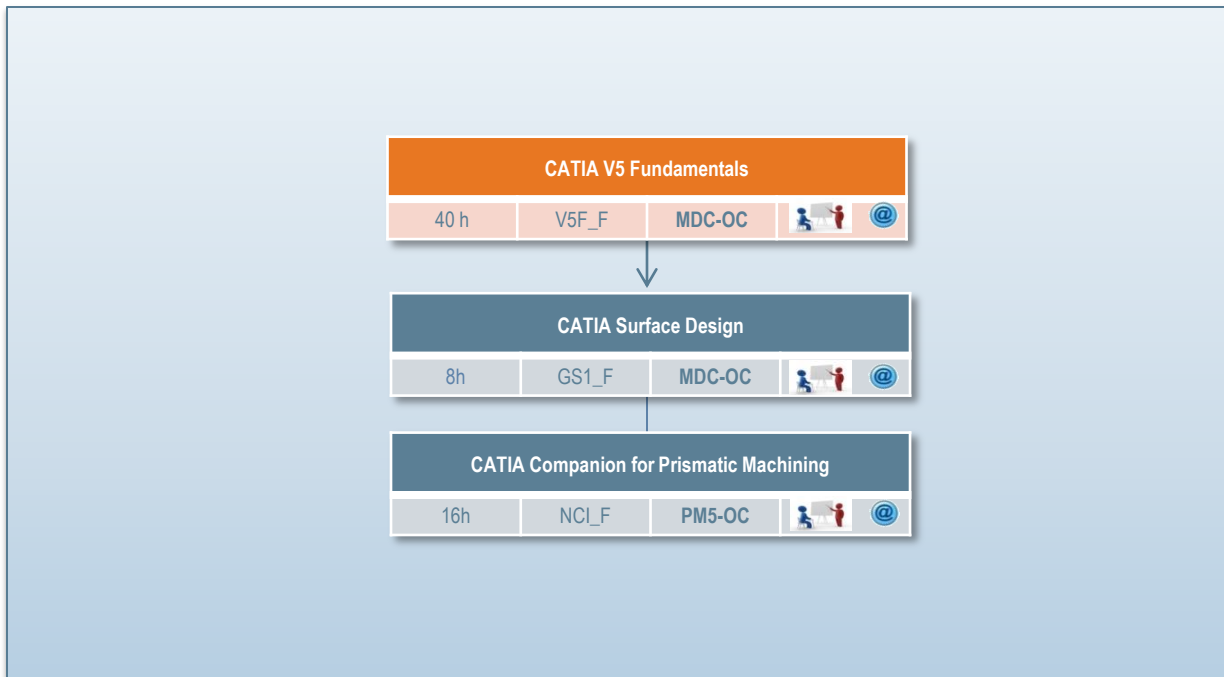
# CATIA V5

## Machining / Mill and Turn - 2/2



# CATIA V5

## Machining / Prismatic Machined Parts - 1/2



# CATIA V5

## Machining / Prismatic Machined Parts - 2/2





# CATIA V5

## Machining / Mold and Die - 1/3



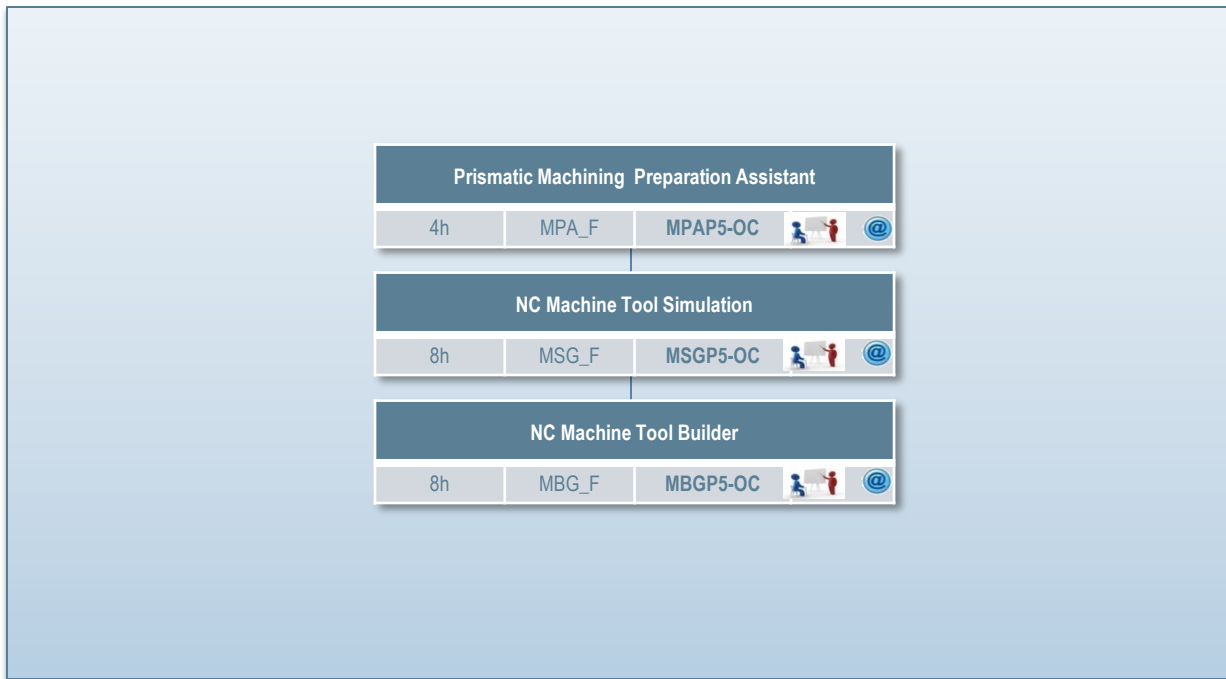
# CATIA V5

## Machining / Mold and Die - 2/3



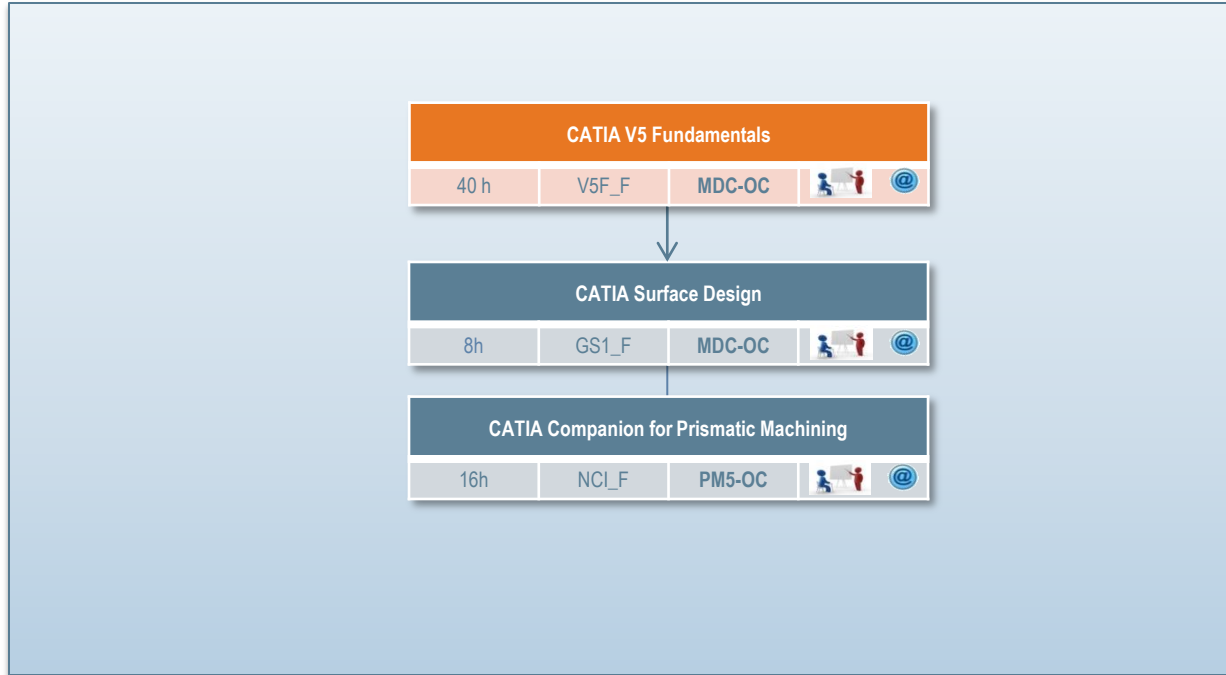
# CATIA V5

## Machining / Mold and Die - 3/3



# CATIA V5

## Machining / Machined Part - 1/3



# CATIA V5

## Machining / Machined Part - 2/3



# CATIA V5

## Machining / Machined Part – 3/3



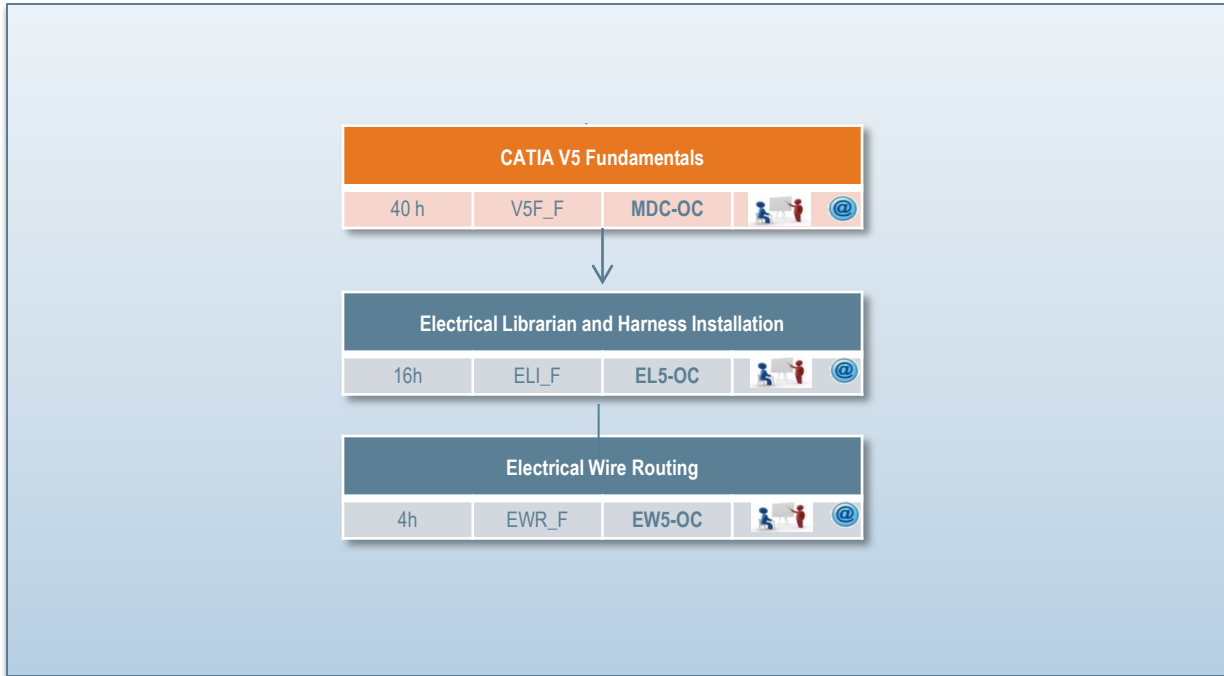
# CATIA V5

## Electrical / Electronic Engineer



# CATIA V5

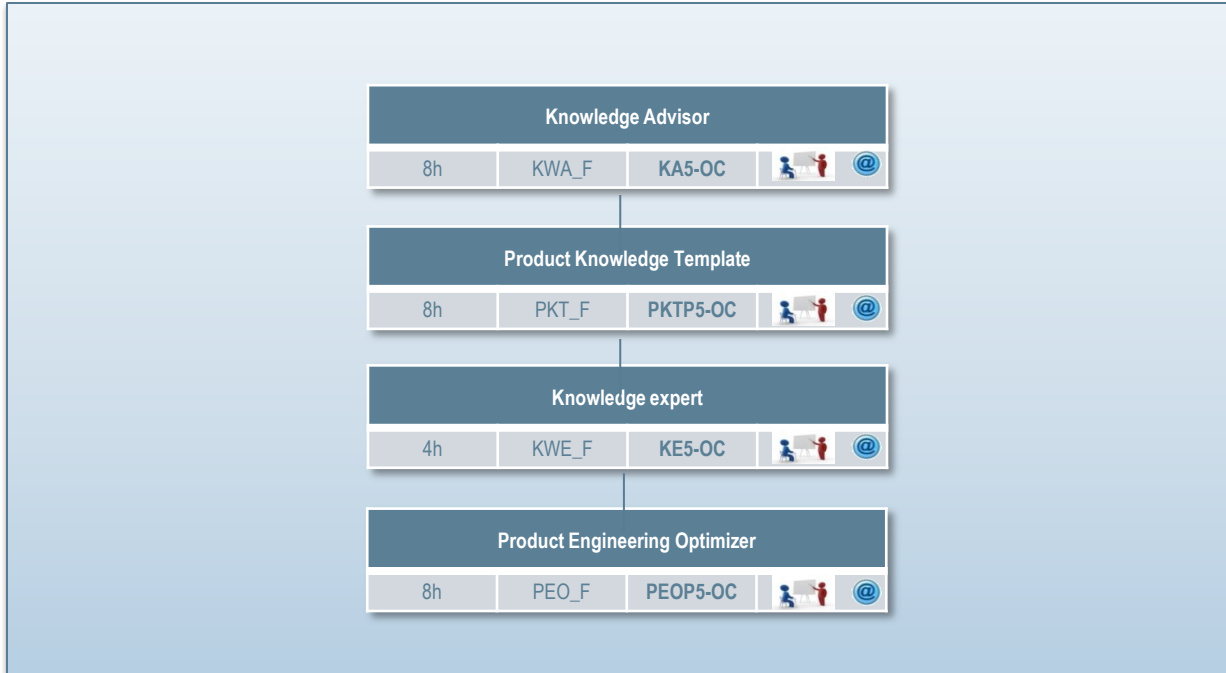
## *Electrical / Wire Harness Designer and Installer - 1/2*





# CATIA V5

## *Electrical / Wire Harness Designer and Installer - 2/2*



# CATIA V5

## Electrical / Standards, Catalog and Specification Manager - 1/2



# CATIA V5

## Electrical / Standards, Catalog and Specification Manager - 2/2



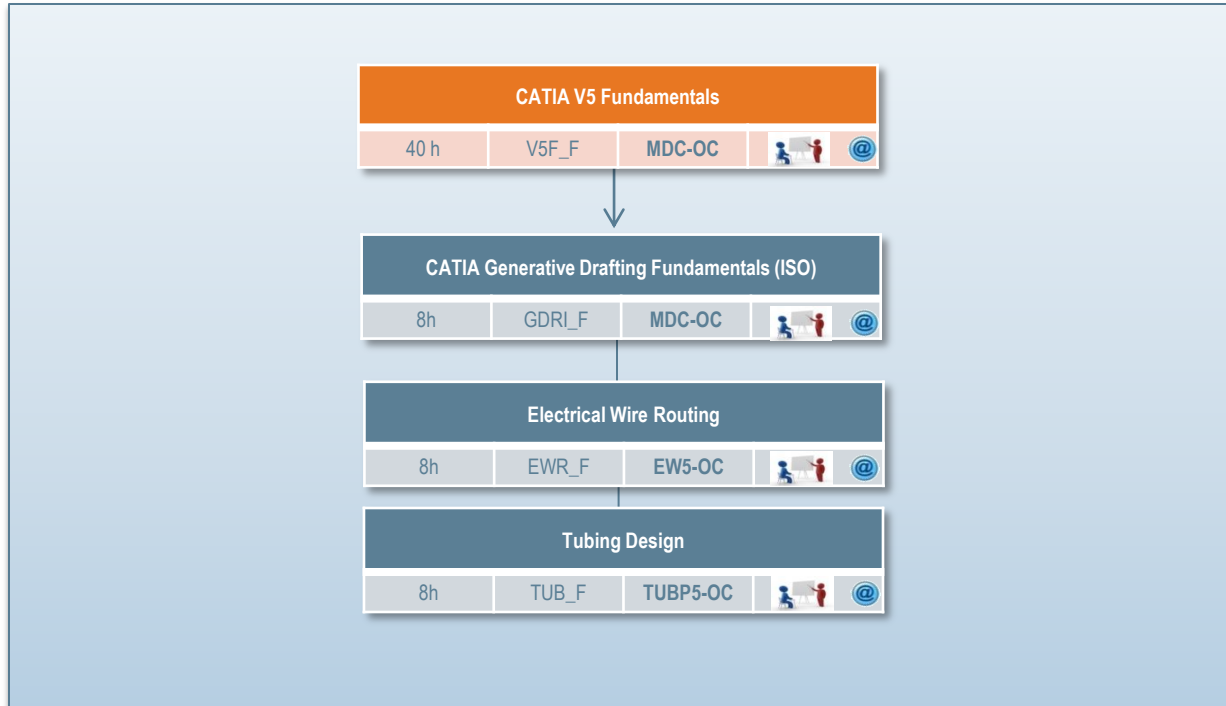
# CATIA V5

## *Electrical / Electrical Documentation and Harness Manufacturing*



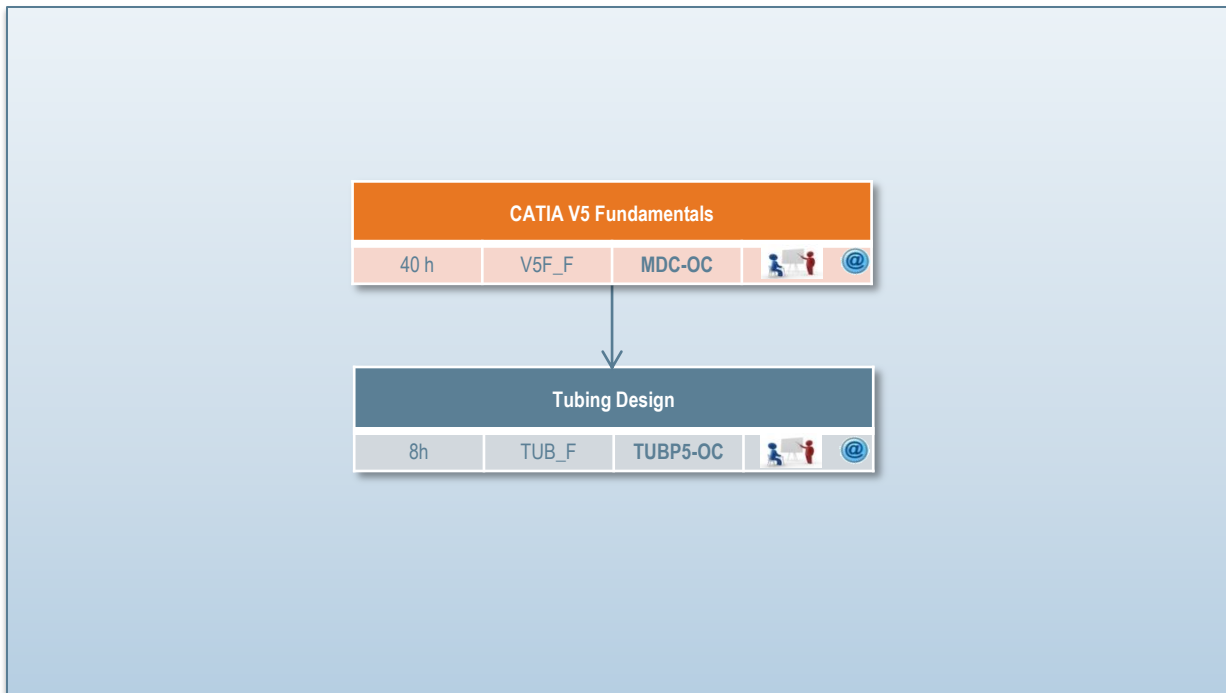
# CATIA V5

## Tubing / System Engineer (2D)



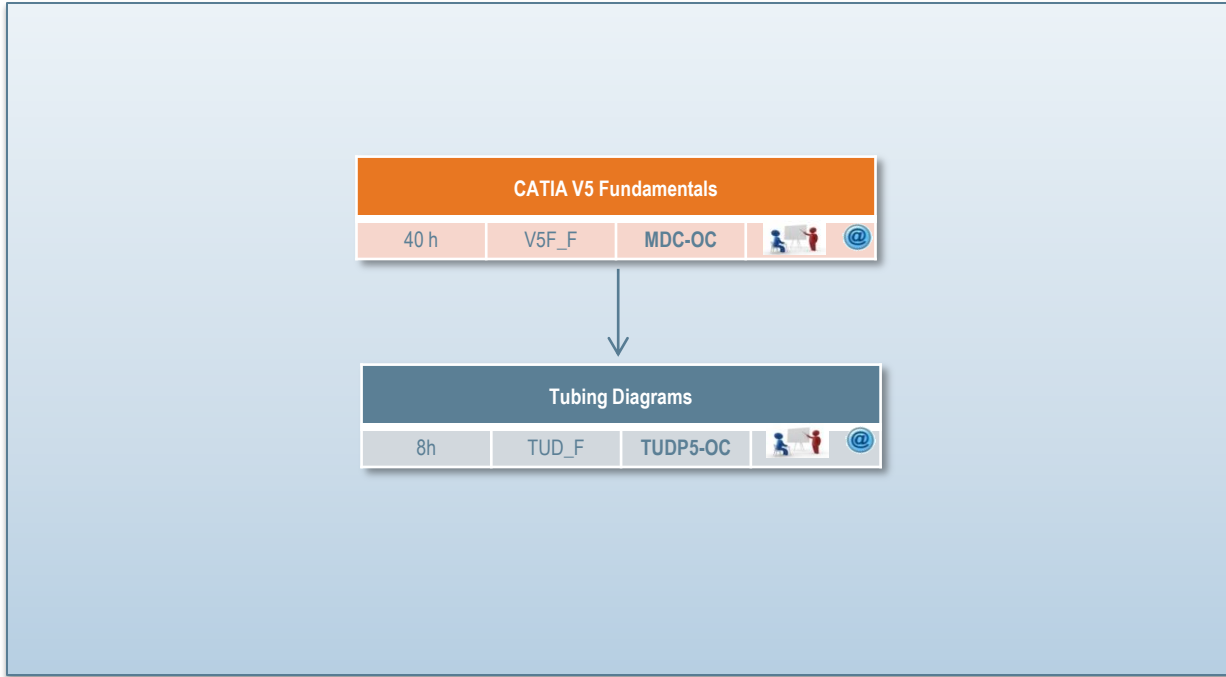
# CATIA V5

## Tubing / System Designer (3D)



# CATIA V5

## Tubing / Standards, Catalog & Specification Administrator - 1/2



# CATIA V5

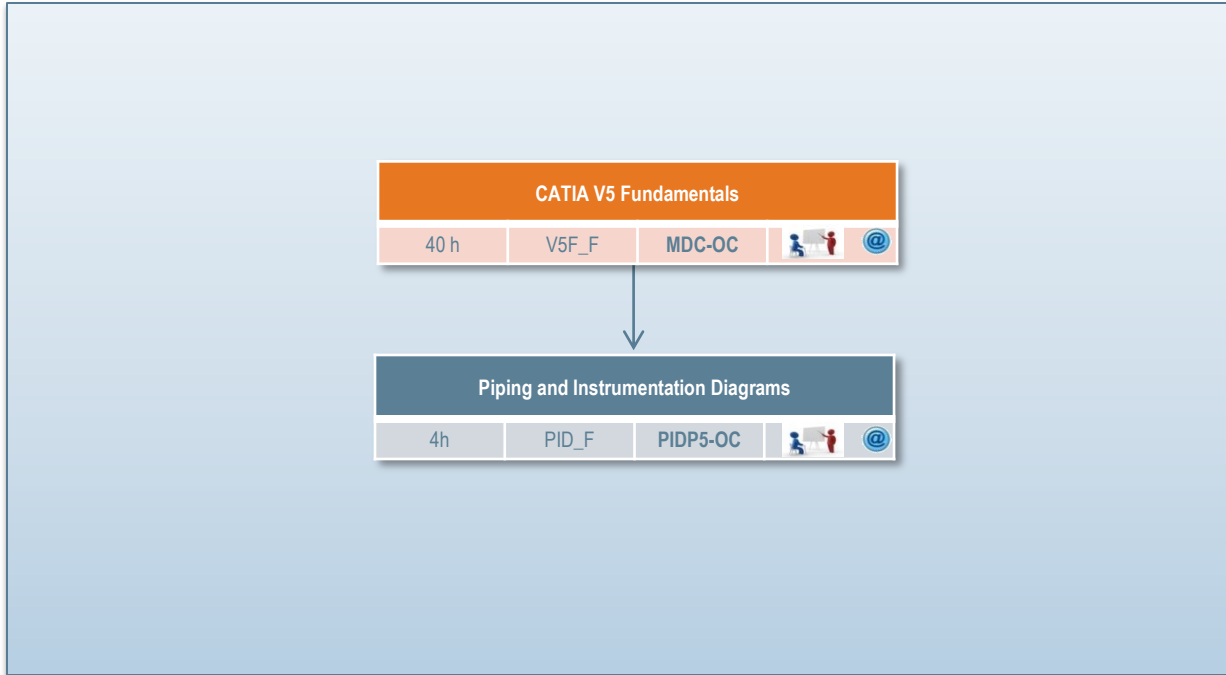
## Tubing / Standards, Catalog & Specification Administrator - 2/2





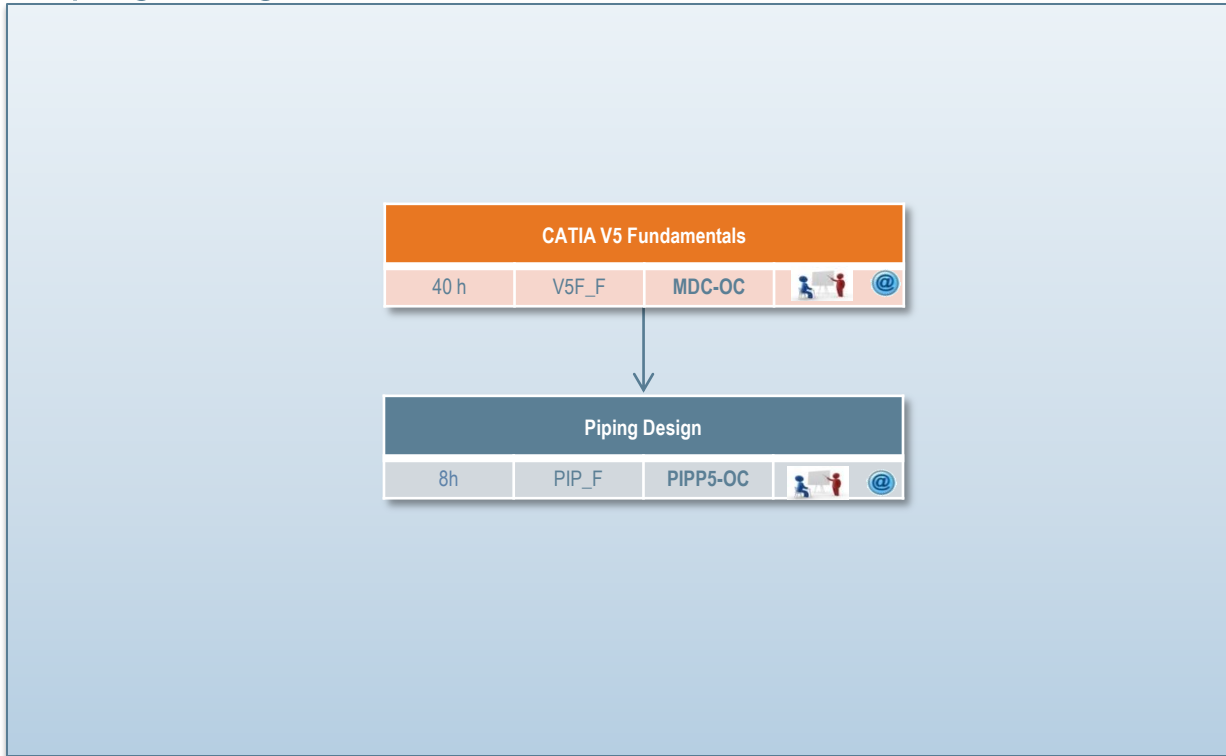
# CATIA V5

## Piping / System Engineer



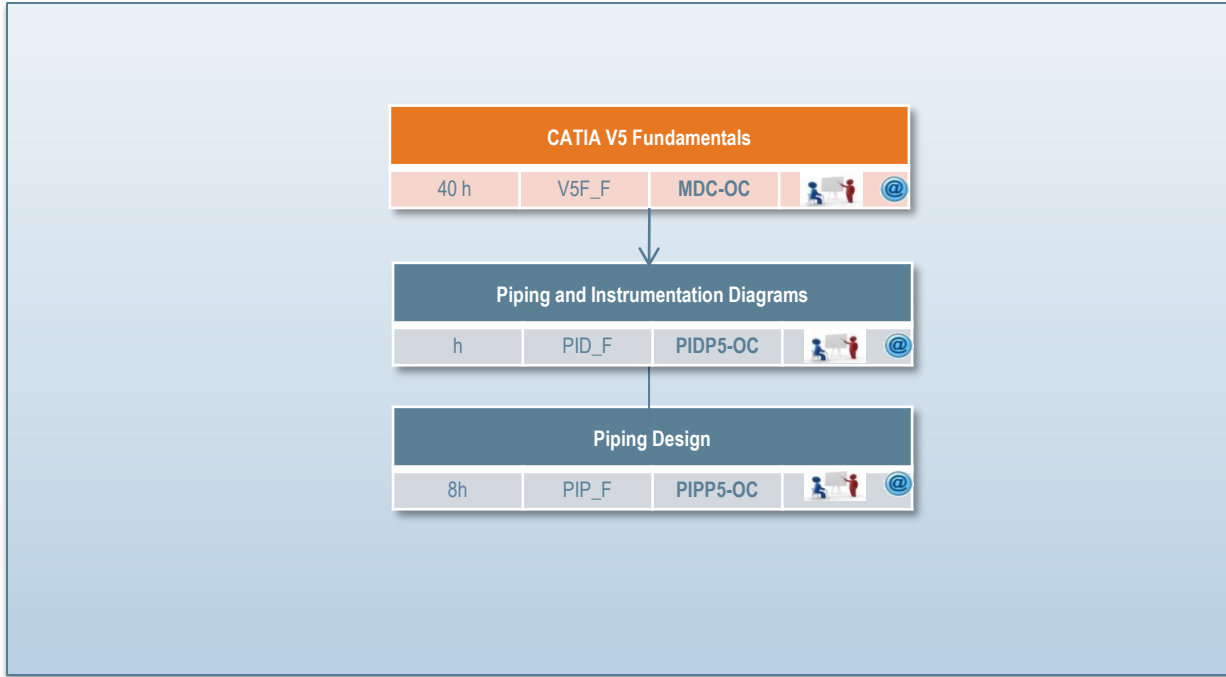
# CATIA V5

## Piping / Piping Designer



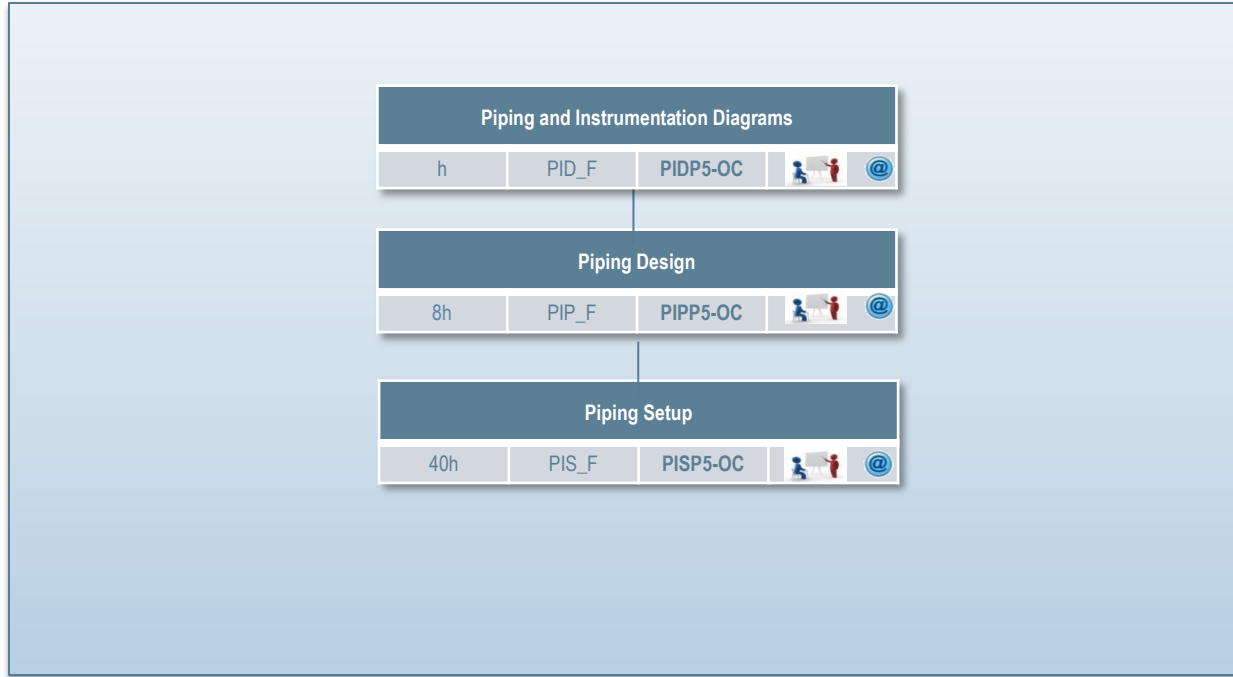
# CATIA V5

## *Piping / Standards, Catalog and Specification Manager - 1/2*



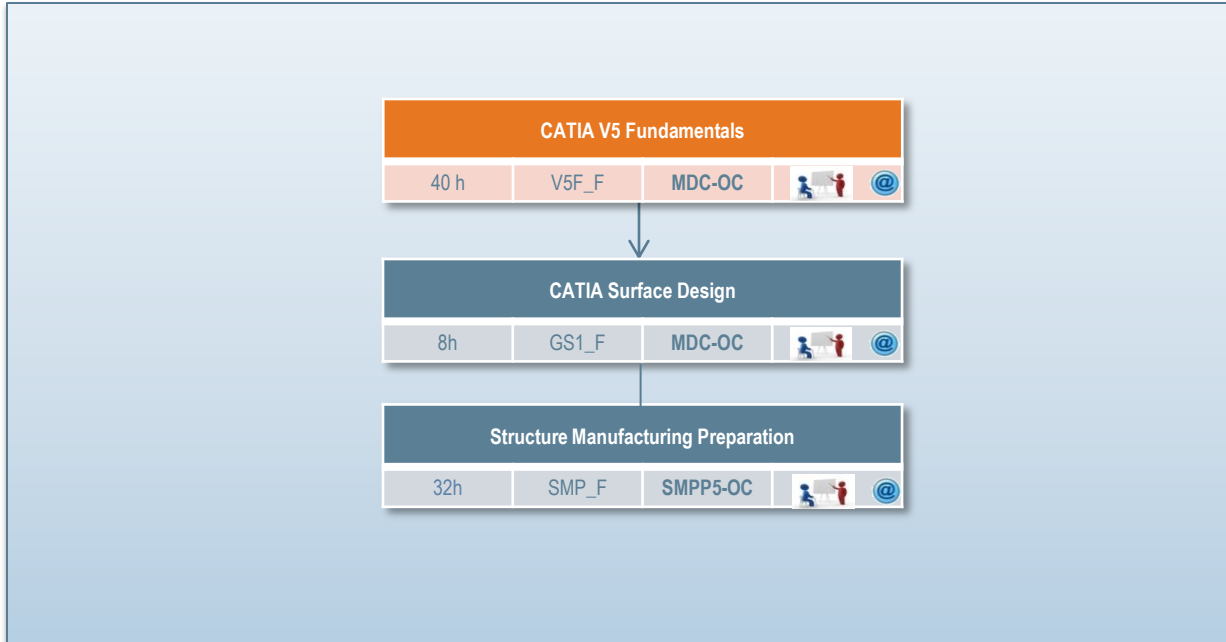
# CATIA V5

## *Piping / Standards, Catalog and Specification Manager - 2/2*



# CATIA V5

## Shipbuilding Hull Structure / Functional Designer



# CATIA V5

## *IT/System Administrator / IT System Engineer*



# CATIA V5

## CATIA V5 to V6 Transition / Mechanical Designer

