

Course of Study Aircraft Systems Engineering (Study Cohort w21)

Legend:
 Core qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory Thesis Compulsory Interdisciplinary complement

Sample course plan C Master Aircraft Systems Engineering (FSIMS)				Semester 2		Semester 3		Semester 4	
		Form	Hrs/wk		Form	Hrs/wk		Form	Hrs/wk
1	Aircraft Energy Systems			Flight Physics (part 2)			System Development Projekt		Master Thesis
2	Aircraft Energy Systems VL 3			Flight Mechanics II VL 2			Systems Engineering Development Project I+II PBL 12		
3	Aircraft Energy Systems HU 2			Flight Mechanics II HU 1					
4				Flight Control Systems					
5				Flight Control Systems VL 3					
6				Flight Control Systems HU 2					
7	Flight Physics (part 1)								
8	Aerodynamics and Flight Mechanics I VL 3								
9									
10	Aircraft Design I (Civil Aircraft Design)			Systems Engineering					
11	Aircraft Design I VL 3			Systems Engineering VL 3					
12	Aircraft Design I HU 2			Systems Engineering HU 1					
13									
14							Communication Networks		
15							Communication Networks VL 2		
16	Aircraft Cabin Systems			Cabin Systems Engineering (part 2)			Communication Networks Exercise PBL 1		
17	Aircraft Cabin Systems VL 3			Model-Based Systems Engineering with SysML/UML PBL 3			Selected Topics of Communication Networks PBL 2		
18	Aircraft Cabin Systems HU 1								
19									
20				Selected Topics of Aeronautical Systems Engineering (Alternative A: 6 LP) (part 2)			Methods of Integrated Product Development		
21				Selection from a catalog			Integrated Product Development II VL 3		
22	Cabin Systems Engineering (part 1)						Integrated Product Development II PBL 2		
23	Computer and communication technology in cabin electronics and avionics VL 2								
24	Computer and communication technology in cabin electronics and avionics GU 1								
25	Selected Topics of Aeronautical Systems Engineering (Alternative A: 6 LP) (part 1)						Avionics for safety-critical Systems		
26	Selection from a catalog						Avionics of Safty Critical Systems VL 2		
27							Avionics of Safty Critical Systems GU 1		
28							Avionics of Safty Critical Systems PR 1		
29									
30									
Business & Management (from catalogue) - 6LP									
Non-technical Courses for Master (from catalogue) - 6LP									

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

