

# Course of Study Aircraft Systems Engineering (Study Cohort w22)

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

Sample course plan C Master Aircraft Systems Engineering (FSIMS) Dual study program				Semester 3				Semester 4			
Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk				
1	<b>Aircraft Energy Systems</b>			<b>Flight Physics (part 2)</b>		<b>System Development Projekt</b>		<b>Master thesis (dual study program)</b>			
2	Aircraft Energy Systems VL 3		Flight Mechanics II VL 2		Systems Engineering Development Project I+II PBL 12						
3	Aircraft Energy Systems HÜ 2		Flight Mechanics II HÜ 1								
4											
5			<b>Flight Control Systems</b>								
6			Flight Control Systems VL 3								
7			Flight Control Systems HÜ 2								
8	<b>Flight Physics (part 1)</b>										
9	Aerodynamics and Flight Mechanics I VL 3										
10			<b>Systems Engineering</b>								
11	Aircraft Design I (Civil Aircraft Design)										
12	Aircraft Design I VL 3		Systems Engineering VL 3								
13	Aircraft Design I HÜ 2		Systems Engineering HÜ 1								
14					<b>Practical module 3 (dual study program, Master's degree)</b>						
15					Practical term 3 0						
16	<b>Aircraft Cabin Systems</b>		<b>Practical module 2 (dual study program, Master's degree)</b>								
17	Aircraft Cabin Systems VL 3		Practical term 2 0								
18	Aircraft Cabin Systems HÜ 1										
19											
20											
21											
22	<b>Practical module 1 (dual study program, Master's degree)</b>										
23	Practical term 1 0										
24					<b>Communication Networks</b>						
25					Communication Networks VL 2						
26					Communication Networks Exercise PBL 1						
27					Selected Topics of Communication Networks PBL 2						
28			<b>Cabin Systems Engineering (part 2)</b>								
29			Model-Based Systems Engineering with SysML/UML PBL 3								
30			<b>Selected Topics of Aeronautical Systems Engineering (Alternative A: 6 LP) (part 2)</b>		<b>Methods of Integrated Product Development</b>						
31			Selection from a catalog		Integrated Product Development II VL 3						
32					Integrated Product Development II PBL 2						
33	<b>Cabin Systems Engineering (part 1)</b>										
34	Computer and communication technology in cabin electronics and avionics VL 2										
35	Computer and communication technology in cabin electronics and avionics GÜ 1										
36	<b>Selected Topics of Aeronautical Systems Engineering (Alternative A: 6 LP) (part 1)</b>				<b>Avionics for safety-critical Systems</b>						
37	Selection from a catalog				Avionics of Safty Critical Systems VL 2						
38					Avionics of Safty Critical Systems GÜ 1						
39					Avionics of Safty Critical Systems PR 1						
40											
Business & Management (from catalogue) - 6LP											
Linking theory and practice (dual study program, Master's degree) (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.

