

# 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)				Semester 2				Semester 3				Semester 4			
		Form	Hrs/wk		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</b>					
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				<b>Flight Control Systems</b>											
5				Flight Control Systems VL 3											
6				Flight Control Systems HU 2											
7	<b>Flight Physics (part 1)</b>														
8	Aerodynamics and Flight Mechanics I VL 3														
9															
10	<b>Aircraft Design I (Civil Aircraft Design)</b>			<b>Systems Engineering</b>											
11	Aircraft Design I VL 3			Systems Engineering VL 3											
12	Aircraft Design I HU 2			Systems Engineering HU 1											
13															
14							<b>Communication Networks</b>								
15							Communication Networks VL 2								
16	<b>Aircraft Cabin Systems</b>			<b>Cabin Systems Engineering (part 2)</b>			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				<b>Selected Topics of Aeronautical Systems Engineering (Alternative A: 6 LP) (part 2)</b>			<b>Methods of Integrated Product Development</b>								
20				Selection from a catalog			Integrated Product Development II VL 3								
21							Integrated Product Development II PBL 2								
22	<b>Cabin Systems Engineering (part 1)</b>														
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	<b>Selected Topics of Aeronautical Systems Engineering (Alternative A: 6 LP) (part 1)</b>						<b>Avionics for safety-critical Systems</b>								
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.

