

# Course of Study Aircraft Systems Engineering (Study Cohort w15)

Sample course plan C Master Aircraft Systems Engineering (FSTMS)  
Specialisation Cabin Systems

Legend:

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

LP	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk
1	<b>Aircraft Systems I</b>			<b>Flight Physics (part 2)</b>			<b>Aircraft Systems Engineering (part 2)</b>			<b>Master Thesis</b>		
2	Aircraft Systems I	VL	3	Flight Mechanics II	VL	2	Selection from a catalog					
3	Aircraft Systems I	HÜ	1	Flight Mechanics II	HÜ	1						
4				<b>Aircraft Design (part 2)</b>			<b>Methods of Integrated Product Development</b>					
5				Aircraft Design II	VL	2	Integrated Product Development II	VL	3			
6				Aircraft Design II	PS	1	Integrated Product Development II	POL	2			
7	<b>Flight Physics (part 1)</b>			<b>Aircraft Systems II</b>								
8	Aerodynamics and Flight Mechanics I	VL	3	Aircraft Systems II	VL	3						
9				Aircraft Systems II	HÜ	1						
10	<b>Aircraft Design (part 1)</b>						<b>Design with Polymers and Composites</b>					
11	Aircraft Design I	VL	2				Design with Polymers and Composites	VL	2			
12	Aircraft Design I	HÜ	1				Joining of Polymer-Metal Lightweight Structures	VL	2			
							Joining of Polymer-Metal Lightweight Structures	PR	1			
13	<b>Systems Engineering Development Project I</b>			<b>Systems Engineering Development Project II</b>								
14	Systems Engineering Development Project I	POL	6	Systems Engineering Development Project II	POL	6						
15												
16							<b>High Frequency and Communication Theory in Avionics for Aircraft Systems Engineers</b>					
17							High Frequency and Communication Engineering in Avionics	VL	2			
18							High Frequency and Communication Engineering in Avionics	UE	1			
19	<b>Aircraft Cabin Systems</b>			<b>Systems Engineering</b>			Introduction to Electromagnetic Waveguides and Antennas	VL	2			
20	Aircraft Cabin Systems	VL	3	Systems Engineering	VL	3						
21	Aircraft Cabin Systems	HÜ	1	Systems Engineering	HÜ	1						
22												
23												
24												
25	<b>Cabin Systems Engineering (part 1)</b>			<b>Cabin Systems Engineering (part 2)</b>								
26	Computer and communication technology in cabin electronics and avionics	VL	2	Model-Based Systems Engineering with SysML/UML	POL	3						
27	Computer and communication technology in cabin electronics and avionics	UE	1									
28				<b>Aircraft Systems Engineering (part 1)</b>								
29				Selection from a catalog								
30												
Business & Management (from catalogue) - 6LP												
Nontechnical Elective Complementary 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.