

# Course of Study Aircraft Systems Engineering (Study Cohort w18)

Sample course plan D Master Aircraft Systems Engineering (FSTMS)  
Specialisation Air Transportation Systems

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

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>System Development Projekt</b>		<b>Master Thesis</b>	
2	Aircraft Systems I	VL 3	Flight Mechanics II	VL 2	Systems Engineering Development	PBL 12		
3	Aircraft Systems I	HÜ 2	Flight Mechanics II	HÜ 1	Project I+II			
4			<b>Aircraft Design (part 2)</b>					
5			Aircraft Design II	VL 2				
6			Aircraft Design II	PS 1				
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 2				
10	<b>Aircraft Design (part 1)</b>							
11	Aircraft Design I	VL 2						
12	Aircraft Design I	HÜ 1						
13	<b>Aircraft Cabin Systems</b>		<b>Systems Engineering</b>		<b>Finite Elements Methods</b>			
14	Aircraft Cabin Systems	VL 3	Systems Engineering	VL 3	Finite Element Methods	VL 2		
15	Aircraft Cabin Systems	HÜ 1	Systems Engineering	HÜ 1	Finite Element Methods	HÜ 2		
16								
17								
18								
19	<b>Flight Guidance and Airline Operations (part 1)</b>		<b>Flight Guidance and Airline Operations (part 2)</b>		<b>Methods of Integrated Product Development</b>			
20	Introduction to Flight Guidance	VL 3	Airline Operations	VL 3	Integrated Product Development II	VL 3		
21	Introduction to Flight Guidance	HÜ 1			Integrated Product Development II	PBL 2		
22	<b>Cabin Systems Engineering (part 1)</b>		<b>Cabin Systems Engineering (part 2)</b>					
23	Computer and communication technology in cabin electronics and avionics	VL 2	Model-Based Systems Engineering with SysML/UML	PBL 3				
24	Computer and communication technology in cabin electronics and avionics	UE 1						
25					<b>Airport Planning and Operations</b>			
26					Airport Planning	VL 2		
27					Airport Operations	VL 3		
28					Airport Planning	UE 1		
29								
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.

