

Course of Study Aircraft Systems Engineering (Study Cohort w19)

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

Legend:

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	Aircraft Systems I		Flight Physics (part 2)		System Development Projekt		Master Thesis	
2	Aircraft Systems I	VL 3	Flight Mechanics II	VL 2	Systems Engineering Development Project I+II	PBL 12		
3	Aircraft Systems I	HÜ 2	Flight Mechanics II	HÜ 1				
4			Aircraft Design (part 2)					
5			Aircraft Design II	VL 2				
6			Aircraft Design II	HÜ 1				
7	Flight Physics (part 1)		Aircraft Systems II					
8	Aerodynamics and Flight Mechanics I	VL 3	Aircraft Systems II	VL 3				
9			Aircraft Systems II	HÜ 2				
10	Aircraft Design (part 1)							
11	Aircraft Design I	VL 2						
12	Aircraft Design I	HÜ 1						
13	Aircraft Cabin Systems		Systems Engineering		Finite Elements Methods			
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	Flight Guidance and Airline Operations (part 1)		Flight Guidance and Airline Operations (part 2)		Methods of Integrated Product Development			
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	Cabin Systems Engineering (part 1)		Cabin Systems Engineering (part 2)					
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					Airport Planning and Operations			
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.

