

Course of Study Aircraft Systems Engineering (Study Cohort w18)

Sample course plan B Master Aircraft Systems Engineering (FSTMS)
Specialisation Avionic Systems

Legend		Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification 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	PBL 12		
3	Aircraft Systems I	HÜ 2	Flight Mechanics II	HÜ 1	Project I+II			
4			Aircraft Design (part 2)					
5			Aircraft Design II	VL 2				
6			Aircraft Design II	PS 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		Aircraft Systems Engineering (part 2)			
14	Aircraft Cabin Systems	VL 3	Systems Engineering	VL 3	Selection from a catalog			
15	Aircraft Cabin Systems	HÜ 1	Systems Engineering	HÜ 1				
16					Advanced Topics in Control			
17					Advanced Topics in Control	VL 2		
18					Advanced Topics in Control	UE 2		
19	Avionics for safety-critical Systems		Aircraft Systems Engineering (part 1)					
20	Avionics of Safty Critical Systems	VL 2	Selection from a catalog					
21	Avionics of Safty Critical Systems	UE 1						
22	Avionics of Safty Critical Systems	PR 1	Automation and Simulation		Control Systems Theory and Design			
23			Automation and Simulation	VL 3	Control Systems Theory and Design	VL 2		
24			Automation and Simulation	HÜ 2	Control Systems Theory and Design	UE 2		
25								
26								
27								
28								
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.

