

Course of Study Aircraft Systems Engineering (Study Cohort w18)

Sample course plan A Master Aircraft Systems Engineering (FSTMS)
Specialisation Aircraft 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	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		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	Control Systems Theory and Design		Automation and Simulation		Modelling and Optimization in Dynamics			
20	Control Systems Theory and Design	VL 2	Automation and Simulation	VL 3	Flexible Multibody Systems	VL 2		
21	Control Systems Theory and Design	UE 2	Automation and Simulation	HÜ 2	Optimization of dynamical systems	VL 2		
22								
23								
24								
25					Avionics for safety-critical Systems			
26					Avionics of Safty Critical Systems	VL 2		
27					Avionics of Safty Critical Systems	UE 1		
28					Avionics of Safty Critical Systems	PR 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.

