

Course of Study Aircraft Systems Engineering (Study Cohort w16)

Sample course plan A Master Aircraft Systems Engineering (FSTMS)
Specialisation Aircraft 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)		Finite Elements Methods		Master Thesis	
2	Aircraft Systems I	VL 3	Flight Mechanics II	VL 2	Finite Element Methods	VL 2		
3	Aircraft Systems I	HÜ 2	Flight Mechanics II	HÜ 1	Finite Element Methods	HÜ 2		
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		Modelling and Optimization in Dynamics			
8	Aerodynamics and Flight Mechanics I	VL 3	Aircraft Systems II	VL 3	Flexible Multibody Systems	VL 2		
9			Aircraft Systems II	HÜ 2	Optimization of dynamical systems	VL 2		
10	Aircraft Design (part 1)							
11	Aircraft Design I	VL 2						
12	Aircraft Design I	HÜ 1						
13	Systems Engineering Development Project I		Systems Engineering Development Project II		Avionics for safety-critical Systems			
14	Systems Engineering Development Project I	PBL 6	Systems Engineering Development Project II	PBL 6	Avionics of Safty Critical Systems	VL 2		
15					Avionics of Safty Critical Systems	UE 1		
16					Avionics of Safty Critical Systems	PR 1		
17								
18								
19	Aircraft Cabin Systems		Systems Engineering					
20	Aircraft Cabin Systems	VL 3	Systems Engineering	VL 3				
21	Aircraft Cabin Systems	HÜ 1	Systems Engineering	HÜ 1				
22								
23								
24								
25	Control Systems Theory and Design		Automation and Simulation					
26	Control Systems Theory and Design	VL 2	Automation and Simulation	VL 3				
27	Control Systems Theory and Design	UE 2	Automation and Simulation	HÜ 2				
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.

