

# Course of Study Aircraft Systems Engineering (Study Cohort w17)

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	<b>Aircraft Systems I</b>		<b>Flight Physics (part 2)</b>		<b>Finite Elements Methods</b>		<b>Master Thesis</b>	
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			<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>		<b>Modelling and Optimization in Dynamics</b>			
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	<b>Aircraft Design (part 1)</b>							
11	Aircraft Design I	VL 2						
12	Aircraft Design I	HÜ 1						
13	<b>Systems Engineering Development Project I</b>		<b>Systems Engineering Development Project II</b>		<b>Avionics for safety-critical Systems</b>			
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	<b>Aircraft Cabin Systems</b>		<b>Systems Engineering</b>					
20	Aircraft Cabin Systems	VL 3	Systems Engineering	VL 3				
21	Aircraft Cabin Systems	HÜ 1	Systems Engineering	HÜ 1				
22								
23								
24								
25	<b>Control Systems Theory and Design</b>		<b>Automation and Simulation</b>					
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.