

# Course of Study Aircraft Systems Engineering (Study Cohort w19)

Sample course plan B Master Aircraft Systems Engineering (FSTMS)  
Specialisation Avionic and Embedded 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>System Development Projekt</b>		<b>Master Thesis</b>	
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			<b>Aircraft Design (part 2)</b>					
5			Aircraft Design II	VL 2				
6			Aircraft Design II	HÜ 1				
7	<b>Flight Physics (part 1)</b>		<b>Aircraft Systems II</b>					
8	Aerodynamics and Flight Mechanics I	VL 3	Aircraft Systems II	VL 3				
9			Aircraft Systems II	HÜ 2				
10	<b>Aircraft Design (part 1)</b>							
11	Aircraft Design I	VL 2						
12	Aircraft Design I	HÜ 1						
13	<b>Aircraft Cabin Systems</b>		<b>Systems Engineering</b>		<b>Aircraft Systems Engineering (part 2)</b>			
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					<b>Advanced Topics in Control</b>			
17					Advanced Topics in Control	VL 2		
18					Advanced Topics in Control	UE 2		
19	<b>Avionics for safety-critical Systems</b>		<b>Embedded Systems</b>					
20	Avionics of Safty Critical Systems	VL 2	Embedded Systems	VL 3				
21	Avionics of Safty Critical Systems	UE 1	Embedded Systems	UE 1				
22	Avionics of Safty Critical Systems	PR 1			<b>Control Systems Theory and Design</b>			
23					Control Systems Theory and Design	VL 2		
24					Control Systems Theory and Design	UE 2		
25			<b>Aircraft Systems Engineering (part 1)</b>					
26			Selection from a catalog					
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.

