

Macrostructure of the Degree Course (B.Sc.) Aerospace Engineering (PO 2025)

1 st Semester (WS*)	2 nd Semester (SS*)	3 rd Semester (WS*)	4 th Semester (SS*)	5 th Semester (WS*)	6 th Semester (SS*)
Higher Mathematics 1 PL 9 ECTS	Higher Mathematics 2 PL 9 ECTS	Higher Mathematics 3 PL 9 ECTS	Numerical Simulatio LBP 6 ECTS		
Physics and Fundamentals of Electrical Engineering USL 3 ECTS			Fluid Mechanics I PL 6 ECTS	Fluid Mechanics II PL 6 ECTS	
Softwaretools and Software Engineering LBP 3 ECTS		Fundamentals of Thermodynamics PL 6 ECTS		Heat Transfer and Thermal Radiation PL 6 ECTS	
Technical Mechanics I PL 6 ECTS	Technical Mechanics II PL 6 ECTS	Technical Mechanics III BSL 3 ECTS	Statics PL 6 ECTS		
Materials Science and Structures in Lightweight Constructions PL 6 ECTS			Aeronautical Engineering and Aeronautical Propulsion MTP 3 ECTS		Second Mandatory Internship USL 12 ECTS
Design I (LRT) BSL 3 ECTS		Design II (LRT) LBP 6 ECTS		Introduction to System Technologies I PL 6 ECTS	Bachelor Thesis PL 12 ECTS
	Compulsory optional subjects (interdisciplinary KQ**) USL 6 ECTS		Compulsory optional subjects (subject specific KQ** out of the fac. cat.***) BSL 3 ECTS		Space Flight PL 6 ECTS
				Introduction to the Finite-Element-Method compulsory subject USL 3 ECTS	Compulsory optional subjects (subject specific KQ** out of the fac. cat.***) BSL 3 ECTS
Sum: 30	Sum: 33	Sum: 27	Sum: 30	Sum: 30	Sum: 30
4 Exams	4 Exams	4 Exams	6 Exams	5 Exams	3 Exams

Overall sum of the credit points = 180

(The numbers denote the credit points of a module per semester)

28.10.2024

Legend:

= Natural/Mathematical Sciences (Basic Methodology)

= Engineering Sciences (Formal Methods)

= Aerospace Sciences (Technology & Applications)

= Key Qualifications (subject specific/interdisciplinary)

= Second Mandatory Internship

= Bachelor Thesis

* German universities run semesters of six month duration. They last from April 1 to September 30 (Summer Semester, SS) and from October 1 to March 31 (Winter Semester, WS). Each semester is divided into a time with and without lectures.

** KQ: Key Qualifications

*** fac. cat.: A catalogue (index) of the faculty containing different subjects from which the compulsory subjects can be chosen