

Course of Study General Engineering Science (English program, 7 semester) (Study Cohort w18)

Sample course plan - Bachelor General Engineering Science (English program, 7 semester) (GESBS(7))
Specialisation Naval Architecture

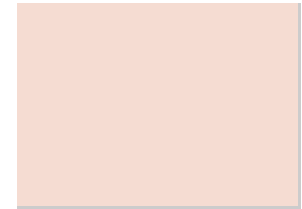
Legend:

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	Semester 2	Form	Semester 3	Form	Semester 4	Form	Semester 5	Form	Semester 6	Form	Semester 7	Form						
1	Chemistry (GES)	VL 2	Technical Thermodynamics I	VL 2	Technical Thermodynamics II	VL 2	Foundations of Management	VL 3	Stochastics and Ship Dynamics (part 1)	VL 2	Stochastics and Ship Dynamics (part 2)	VL 2	Advanced Internship AIW/ GES							
2															Chemistry I	Technical Thermodynamics I	Technical Thermodynamics II	Introduction to Management	Statistics and Stochastic Processes in Naval Architecture and Ocean Engineering	Ship Dynamics
3															Chemistry II	Technical Thermodynamics I	Technical Thermodynamics II	Management Tutorial	Ship Dynamics	UE 1
4															Chemistry I	Technical Thermodynamics I	Technical Thermodynamics II			
5															Chemistry II	Technical Thermodynamics I	Technical Thermodynamics II			
6															Chemistry II	Technical Thermodynamics I	Technical Thermodynamics II			
7	Linear Algebra	VL 4	Mathematical Analysis	VL 4	Mathematics III	VL 2	Fluid Dynamics	VL 3	Computational Fluid Dynamics I	VL 2	Structural Design and Construction of Ships (part 2)	VL 2								
8															Linear Algebra	Mathematical Analysis	Analysis III	Fluid Mechanics	Computational Fluid Dynamics I	Ship Structural Design
9															Linear Algebra	Mathematical Analysis	Analysis III	Fluid Mechanics	Computational Fluid Dynamics I	Ship Structural Design
10															Linear Algebra	Mathematical Analysis	Analysis III			
11																	Differential Equations 1			
12																	Differential Equations 1			
13	Electrical Engineering I	VL 3	Electrical Engineering II	VL 3	Mechanics III (GES)	HÜ 1	Mathematics IV	VL 2	Fundamentals of Ship Structural Design and Analysis	VL 2	Fundamentals of Materials Science (part 2)	VL 2								
14															Electrical Engineering I	Electrical Engineering II	Mechanics III	Complex Functions	Fundamentals of Ship Structural Design	Fundamentals of Materials Science II
15															Electrical Engineering I	Electrical Engineering II	Mechanics III	Complex Functions	Fundamentals of Ship Structural Design	Fundamentals of Materials Science II
16															Electrical Engineering I	Electrical Engineering II	Mechanics III	Differential Equations 2	Fundamentals of Ship Structural Design	Hydrostatics
17															Electrical Engineering I	Electrical Engineering II	Mechanics III	Differential Equations 2	Fundamentals of Ship Structural Design	Hydrostatics
18															Electrical Engineering I	Electrical Engineering II	Mechanics III	Differential Equations 2	Fundamentals of Ship Structural Design	Hydrostatics
19	Mechanics I (GES)	VL 2	Mechanics II (GES)	VL 2	Computer Engineering	VL 3	Mechanics IV (Kinetics II, Oscillations, Analytical Mechanics, Multibody Systems)	VL 3	Structural Design and Construction of Ships (part 1)	VL 3	Ship Design	VL 2								
20															Mechanics I	Mechanics II	Computer Engineering	Mechanics IV	Structural Design and Construction of Ships (part 1)	Ship Design
21															Mechanics I	Mechanics II	Computer Engineering	Mechanics IV	Structural Design and Construction of Ships (part 1)	Ship Design
22																				
23																				
24																				
25																				

26			
27	Programming in C Programming in C VL 1 Programming in C PR 1	Fundamentals of Mechanical Engineering (GES) Fundamentals of Mechanical Engineering VL 2	Introduction to Control Systems Introduction to Control Systems VL 2 Introduction to Control Systems UE 2
28			
29	Physics for Engineers (GES) Physics for Engineers VL 2 Physics for Engineers UE 1	Fundamentals of Mechanical Engineering UE 2	
30			
31			
32			

Propulsion	
Resistance and Propulsion	VL 2
Resistance and Propulsion	HÜ 2
Hydrostatics and Body Plan (part 1)	
Body Plan	PS 2



Nontechnical Complementary Courses for Bachelors (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.