Course of Study General Engineering Science (English program) (Study Cohort w15)

Sample course plan A Bachelor General Engineering Science (English program) (GESBS) Specialisation Mechanical Engineering, Focus Product Development and Production

Legend:

Core qualification Compulsory

Core qualification Elective

Compulsory

Focus Compulsory

Interdisciplinary complement

Advanced Mechanical Engineering VL 2 Process Engineers VL 2 Design II Advanced Mechanical Engineering VL 2 Process Engineers Lightweight Design II Advanced Mechanical Engineering VL 2 Measurement Technology for VL 2 Measuremen	anagement VL 4 leurship POL 2 ct Development and gn
Chemistry II VL 2 Chemistry II HÜ 1 Chemistry II	ct Development and gn
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Fundamentals of Mechanical VL 2 Engineering Design Fundamentals of Mechanical MU 2 Engineering Design Fundamentals of Mechanical HÜ 2 Engineering Design Fundamentals of Mechanical Science II VL 2 Advanced Mechanical Engineering Design (part 2) Advanced Mechanical Engineering VL 2 Design II Advanced Mechanical Engineering VL 2 Design II Advanced Mechanical Engineering HÜ 2 Measurement Technology for Mechanical and Process Engineers Design II Technical Thermodynamics I Technical Ther	gn et Development I VL 2
Engineering Design Fundamentals of Mechanical Production Products Fundamentals of Mechanical Engineering VL 2 Fundamentals of Mech	gn et Development I VL 2
Engineering Design Computer Engineering Computer Engineering Computer Engineering Computer Engineering Computer Engineering VL 3	gn et Development I VL 2
Technical Thermodynamics I Te	gn et Development I VL 2
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12	
13 Mathematics III Advanced Mechanical Design Project Bachelor Thesis	
Analysis III VI 2	
Analysis III UE 1	
15 Electrical Engineering I Mathematical Analysis Analysis III HÜ 1 Fluid Dynamics	
Electrical Engineering I VL 3 Mathematical Analysis VL 4 Differential Equations 1 VL 2 Fluid Mechanics VL 3 Electrical Engineering I UE 2 Mathematical Analysis HÜ 2 Differential Equations 1 VL 2 Fluid Mechanics VL 3	
17 Electrical Engineering I UE 2 Mathematical Analysis HU 2 Differential Equations 1 UE 1 Hold Mechanics HU 1 Mathematical Analysis UE 2 Differential Equations 1 HÜ 1	
18	
19 Production Technology	
Forming and Cutting Technology VL 2	
Forming and Cutting Technology HÜ 1	
Markerical Machanics Multihody Systems)	
Mechanics I HŪ 3 Mechanics III UE 2 Mechanics IV VL 3	
23 Electrical Engineering II Mechanics III VL 3 Mechanics IV UE 2	
Electrical Engineering II VL 3 Electrical Engineering II UE 2	
25 Material Science Laboratory	
Companion Lecture for Materials VL 2	
Science Laboratory	
Physics for Explanation 1911 C. Clastical Machines 1911 C. Clastical Machin	
Physics for Engineers UE 1 Mechanical Design Project I TT 3 Electrical Machines HÜ 2	
Mechanics II (GES)	
Mechanics II VL 2 Mechanics II HÜ 2 Mechanics II HÜ 2	
31 Fundamentals of Materials Science I VL 2	
32 Physical and Chemical Basics of VL 2	
33 Materials Science	

34			Advanced Mechanical Engineering Design (part 1)	
35	-9	VL 1 PR 1	Advanced Mechanical Engineering VL 2 Design I Advanced Mechanical Engineering HÜ 2	
			Design I	

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.