

Course of Study General Engineering Science (English program, 7 semester) (Study Cohort w17)

Sample course plan A Bachelor General Engineering Science (English program, 7 semester) (GESBS(7))
Specialisation Biomedical Engineering

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	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7
1	Chemistry (GES) Chemistry I Chemistry II Chemistry I Chemistry II	Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II	Fundamentals of Materials Science (part 2) Fundamentals of Materials Science II Signals and Systems Signals and Systems Signals and Systems	Introduction to Control Systems Introduction to Control Systems Introduction to Control Systems Introduction to Control Systems	Foundations of Management Introduction to Management Management Tutorial	Advanced Internship AIW/ GES
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7	Linear Algebra Linear Algebra Linear Algebra Linear Algebra	Mathematical Analysis Mathematical Analysis Mathematical Analysis Mathematical Analysis	Mathematics III Analysis III Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1	Fluid Dynamics Fluid Mechanics Fluid Mechanics Fluid Mechanics Fluid Mechanics	Mechanical Engineering: Design (part 1) Embodiment Design and 3D-CAD Mechanical Design Project I Numerical Mathematics I Numerical Mathematics I Numerical Mathematics I	Mechanical Engineering: Design (part 2) Team Project Design Methodology Mechanical Design Project II Introduction into Medical Technology and Systems Introduction into Medical Technology and Systems Introduction into Medical Technology and Systems	Bachelor Thesis
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21	Mechanics I (GES) Mechanics I Mechanics I	Mechanics II (GES) Mechanics II Mechanics II	Computer Engineering Computer Engineering Computer Engineering	MED I: Introduction to Anatomy Introduction to Anatomy MED I: Introduction to Radiology and Radiation Therapy	Measurement Technology for Mechanical and Process Engineers Measurement Technology for		
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				Introduction to Radiology and Radiation Therapy	VL 2	Mechanical and Process Engineers	
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	Fundamentals of Materials Science (part 1) Fundamentals of Materials Science I VL 2 Physical and Chemical Basics of Materials Science VL 2			Measurement Technology for Mechanical and Process Engineers Practical Course: Measurement and Control Systems	HÜ 1 PR 2
28							
29	Physics for Engineers (GES) Physics for Engineers VL 2 Physics for Engineers UE 1	Fundamentals of Mechanical Engineering UE 2				MED II: Introduction to Biochemistry and Molecular Biology Introduction to Biochemistry and Molecular Biology VL 2	
30							
31						BIO I: Implants and Fracture Healing Implants and Fracture Healing VL 2	
32							
33							

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.