Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w20)

| | , | | | | Core Qualification Compulsory Specialis | isation Compulsory Focus Compulsory | Thesis Compulsory |
|---------|---|--|--|--|--|---|--|
| Sample | e course plan A Bachelor Gener | al Engineering Science (Germa | n program, 7 semester) (AIWB | S(7)) | Core Qualification Elective Compulsory Specialis | isation Elective Compulsory Focus Elective Compuls | ory Interdisciplinary complement |
| Special | isation Mechanical Engineering | , Focus Aircraft Systems Engine | ering | | | | |
| 1 | | | | | | | |
| 1 | Chemistry | Electrical Engineering II: Alternating Current Networks and Basic Devices | Technical Thermodynamics II | Signals and Systems | Introduction to Control Systems | Foundations of Management | Advanced Internship AIW/ ES |
| 2 | Chemistry I+II VL 4 Chemistry I+II HÜ 2 | Electrical Engineering II: Alternating VL 3 | Technical Thermodynamics II VL 2 Technical Thermodynamics II HÜ 1 | Signals and Systems VL 3 Signals and Systems GŪ 2 | Introduction to Control Systems VL 2 Introduction to Control Systems GÜ 2 | Introduction to Management VL 3 Management Tutorial GŪ 2 | Advanced Internship AIW/ ES: SE 1 Preparation |
| 3 | Chemistry I+II HO 2 | Current Networks and Basic Devices | Technical Thermodynamics II HU I Technical Thermodynamics II GŪ 1 | Signais and Systems GU 2 | Introduction to control systems GO 2 | Management Lutorial GU 2 | Advanced Intenship AIW/ ES: Internship- SE 1 |
| 4 | | Electrical Engineering II: Alternating GÜ 2 | | | | | accompanying Seminar |
| | | Current Networks and Basic Devices | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | Electrical Engineering I: Direct Current | Fundamentals of Mechanical Engineering | Mathematics III | Fluid Dynamics | Measurement Technology for Mechanical | Integrated Product Development and | 1 |
| , | Networks and Electromagnetic Fields | Design | Analysis III VL 2 | Fluid Mechanics VL 3 | Engineers | Lightweight Design | |
| 8 | Electrical Engineering I: Direct Current VL 3 | Fundamentals of Mechanical Engineering VL 2 | Analysis III GŪ 1 | Fluid Mechanics HÜ 2 | Measurement Technology for Mechanical VL 2 | Integrated Product Development I VL 2 | |
| 9 | Networks and Electromagnetic Fields | Design | Analysis III HÜ 1 | | Engineering | Development of Lightweight Design VL 2 | |
| 10 | Electrical Engineering I: Direct Current GÜ 2 | Fundamentals of Mechanical Engineering HÜ 2 | Differential Equations 1 VL 2 | | Measurement Technology for Mechanical HÜ 1 | Products | |
| | Networks and Electromagnetic Fields | Design | Differential Equations 1 GŪ 1 | | Engineering | CAE-Team Project PBL 2 | |
| 11 | | | Differential Equations 1 HÜ 1 | | Practical Course: Measurement and PR 2 | | |
| 12 | | | | | Control Systems | | |
| 13 | Mathematics I | Technical Thermodynamics I | | Mechanics IV (Oscillations, Analytical | Advanced Mechanical Design Project | Aeronautical Systems | |
| 14 | Linear Algebra I VL 2 | Technical Thermodynamics I VL 2 | | Mechanics, Multibody Systems, Numerical | Advanced Mechanical Design Project PBL 4 | Air Transportation Systems VL 2 | |
| | Linear Algebra I GÜ 1 | Technical Thermodynamics I HÜ 1 | | Mechanics) | | Fundamentals of Aircraft Systems VL 2 | |
| 15 | Linear Algebra I HÜ 1 | Technical Thermodynamics I GÜ 1 | Mechanics III (Dynamics) | Mechanics IV VL 3 | | Fundamentals of Aircraft Systems GÜ 1 | |
| 16 | Analysis I VL 2 | | Mechanics III VL 3 Mechanics III GŪ 2 | Mechanics IV GÜ 2 Mechanics IV HÜ 1 | | Air Transportation Systems HÜ 1 | |
| 17 | Analysis I GŪ 1 | | Mechanics III GÜ 2 Mechanics III HÜ 1 | Mechanics IV HÜ 1 | | | |
| 18 | Analysis I HÜ 1 | | | | | | |
| | | | | | | | |
| 19 | | Mechanics II: Mechanics of Materials | | Advanced Mechanical Engineering Design | Computer Engineering | Fundamentals of Production and Quality | Bachelor Thesis |
| 20 | | Mechanics II VL 2 Mechanics II GÜ 2 | | (part 2) Advanced Mechanical Engineering VL 2 | Computer Engineering VL 3 Computer Engineering GÜ 1 | Management Production Process Organization VL 2 | |
| 21 | Mechanics I (Statics) | Mechanics II GO 2 Mechanics II HÜ 2 | Advanced Mechanical Engineering Design | Design II | Computer Engineering GO 1 | Quality Management VL 2 | |
| | Mechanics I VL 2 | | (part 1) | Advanced Mechanical Engineering HÜ 2 | | | |
| | Mechanics I GŪ 2 | | Advanced Mechanical Engineering VL 2 | Design II | | | |
| 22 | Mechanics I HÜ 1 | | Design I | Mechanical Engineering: Design (part 2) | | | |
| 23 | | | Advanced Mechanical Engineering HÜ 2 Design I | Team Project Design Methodology PBL 2 | | | |
| | | | | Mechanical Design Project II PBL 3 | | | |
| 24 | | | Mechanical Engineering: Design (part 1) | | | | |
| 25 | | Mathematics II | Embodiment Design and 3D-CAD VL 2 Mechanical Design Project I PBL 3 | Fundamentals of Materials Science (part 2) | Computational Fluid Dynamics I | | |
| 26 | | Linear Algebra II VL 2 | FBE 5 | Fundamentals of Materials Science II VL 2 | Computational Fluid Dynamics I VL 2 | | |
| 27 | Programming in C | Linear Algebra II GŪ 1 | Fundamentals of Materials Science (part 1) | | Computational Fluid Dynamics I HÜ 2 | | |
| | Programming in C VL 1 | Linear Algebra II HÜ 1 Analysis II VL 2 | Fundamentals of Materials Science (part 1) | | | | |
| 28 | Programming in C PR 1 | Analysis II VL 2 Analysis II HÜ 1 | Physical and Chemical Basics of Materials VL 2 | | | | |
| 29 | Physics for Engineers (AIW) | Analysis II GÜ 1 | Science | | | | |
| | Physics for Engineers (Alw) Physics for Engineers VL 2 | 00 1 | | | | | |
| 30 | Physics for Engineers GŪ 1 | | | | | | |
| 31 | | | | | | | |
| 32 | | | | | | | |
| | Non-technical Courses for Bachelors (from catalogue) - 6LP | | | | | | |
| | Norrectinical Courses for Dachelors (from Catalogue) - Oci | | | | | | |

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.