## Course of Study Engineering and Management - Major in Logistics and Mobility (Study Cohort w22)

Core Qualification Compulsory Specialisation Compulsory Focus Compulsory Thesis Compulsory Core Qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory Interdisciplinary complement Sample course plan A Bachelor Engineering and Management - Major in Logistics and Mobility (WILUMBS) Specialisation Information Technology Introduction to Logistics and Mobility Technical drawing and CAD (part 2) Introduction to Operations Research and Statistics Freight Traffic and Logistics Mathematics II Introduction to CAD Introduction to Statistics VL 2 Ethics and Technology - Responsible Innovation VL 4 Legal Foundations of Transportation and Logistics VL 2 PBL 2 HÜ 2 VI 2 Legal Foundations of Transportation and Logistics HÜ 1 Freight Traffic and Logistics Mathematics II Introduction to Operations Research 3 Introduction to Scientific Work Mathematics II Exercises to Introduction in Quantitative GÜ 2 VL 1 Methods in Logistics Introduction to Economics Introduction to Economics Introduction to Economics HÜ 2 6 Analysis III GÜ 1 GÜ 2 Foundations of Management Management H0 1 Analysis III Introduction to Management Foundations of Management Differential Equations 1 VI 2 GÜ 2 Management Tutorial Finance and Investment Differential Equations 1 GÜ 1 Logistics Management Differential Equations 1 HÜ 1 Logistics Economics 10 Computer Science for Engineers - Introduction and Introduction into Production Logistics VL 2 Overview 11 Computer Science for Engineers - Introduction VL 3 12 Computer Science for Engineers - Introduction GÜ 2 13 Mathematics I IT applications for logistics and mobility **Automation in logistics** Mathematics I Introduction to Geoinformation Science PRI 3 Automation in logistics - seminar SF 2 14 HÜ 2 VI 1 Mathematics I IT applications for logistics and mobility Automation in logistics - Lab PBI 2 15 Technical Logistics Mathematics I IT applications for logistics and mobility GÜ 2 Technical Logistics 16 Project Management and Accounting Technical Logistics Foundations of project management 17 Foundations of cost and activity accounting 18 19 **Computer Science for Engineers - Programming Business Administration and Enterprise Resource** Concepts, Data Handling & Communication Planning: CERMEDES AG Computer Science for Engineers - Programming VL 3 Business Administration and Enterprise Resource SE 2 21 Engineering Mechanics I (Stereostatics) Technical drawing and CAD (part 1) Concents Data Handling & Communication Planning: CERMEDES AG Engineering Mechanics I VL 2 Fundamentals of Technical Drawing Computer Science for Engineers - Programming GÜ 2 Business Administration and Enterprise Resource VL 2 22 Transportation Planning and Traffic Engineering Concepts, Data Handling & Communication Planning: CERMEDES AG Engineering Mechanics I GÜ 2 Fundamentals of Technical Drawing HÜ 1 Transport Planning and Traffic Engineering 23 Engineering Mechanics I 24 Engineering Mechanics II (Elastostatics) Engineering Mechanics II VI 2 25 Simulation of intra logistics Project Seminar WILUM Engineering Mechanics II GÜ Simulation of intra logistics Project Seminar WILUM SE 3 26 Engineering Mechanics II 27 28 29 30 31 **Process Management** Basics of process management VI 2 32 Process management practice SE 2 34 35 36 Non-technical Courses for Bachelors (from catalogue) - 6LP Technical Complementary Course for Logistics and Mobility (according to Subject Specific Regulations) - 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.