Course of Study Engineering and Management - Major in Logistics and Mobility (Study Cohort w21)

Legend:

Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Sample course plan C Bachelor Engineering and Management - Major in Logistics and Mobility (WILUMBS)
Specialisation Information Technology

1	**Introduction to Logistics and Mobility** Freight Traffic and Logistics VL 2 Freight Traffic and Logistics PBL 2 Introduction to Scientific Work VL 1	**Mechanics II: Mechanics of Materials** Mechanics II VL 2 Mechanics II GÜ 2 Mechanics II HÜ 2	**Technical drawing and CAD (part 2)** Introduction to CAD GÜ 2	**Introduction to Operations Research and Statistics** Introduction to Statistics VL 2 Introduction to Operations Research VL 2 Exercises to Introduction in Quantitative Methods in Logistics GÜ 2	**Ethics and Technology - Responsible Innovation** Ethics and Technology - Responsible Innovation VL 4	**Legal Foundations of Logistics and Mobility** Legal Foundations of Transportation and Logistics VL 2 Legal Foundations of Transportation and Logistics HÜ 1
2						
3			**Transportation Planning and Traffic Engineering** Transport Planning and Traffic Engineering PBL 4			
4						
5					**Mathematics III** Analysis III VL 2 Analysis III GÜ 1 Analysis III HÜ 1 Differential Equations 1 VL 2 Differential Equations 1 GÜ 1 Differential Equations 1 HÜ 1	**Stochastics** Stochastics VL 2 Stochastics GÜ 2
6						
7	**Foundations of Management** Introduction to Management VL 3 Management Tutorial GÜ 2	**Mathematics II** Linear Algebra II VL 2 Linear Algebra II GÜ 1 Linear Algebra II HÜ 1 Analysis II VL 2 Analysis II HÜ 1 Analysis II GÜ 1	**Introduction to Economics** Introduction to Economics VL 2 Introduction to Economics GÜ 2	**Management** Foundations of Management VL 2 Finance and Accounting VL 2		
8						
9						
10						
11						**Machine Learning I** Machine Learning I VL 2 Machine Learning I GÜ 3
12						
13	**Mathematics I** Linear Algebra I VL 2 Linear Algebra I GÜ 1 Linear Algebra I HÜ 1 Analysis I VL 2 Analysis I GÜ 1 Analysis I HÜ 1	**Logistics Management** Logistics Economics PBL 3 Introduction into Production Logistics VL 2	**IT applications for logistics and mobility** IT applications for logistics and mobility VL 3 IT applications for logistics and mobility GÜ 1	**Project Management and Controlling** Foundations of project management VL 2 Foundations of Controlling VL 2	**Automation in logistics** Automation in logistics - seminar SE 2 Automation in logistics - Lab PBL 2	**Bachelor Thesis**
14						
15						
16						
17						
18						
19				**Computer Science for Engineers - Programming Concepts, Data Handling & Communication** Computer Science for Engineers - Programming Concepts, Data Handling & Communication VL 3 Computer Science for Engineers - Programming Concepts, Data Handling & Communication GÜ 2	**Project Course Logistics and Mobility**	
20						
21	**Mechanics I (Statics)** Mechanics I VL 2 Mechanics I GÜ 2 Mechanics I HÜ 1	**Technical Logistics** Technical Logistics VL 3 Technical Logistics GÜ 2	**Computer Science for Engineers - Introduction and Overview** Computer Science for Engineers - Introduction and Overview VL 3 Computer Science for Engineers - Introduction and Overview GÜ 2			
22						
23						
24						
25				**Graph Theory and Optimization** Graph Theory and Optimization VL 2 Graph Theory and Optimization GÜ 2	**Gamification of Strategic Thinking** Gamification of Strategic Thinking SE 4	
26						
27		**Technical drawing and CAD (part 1)** Fundamentals of Technical Drawing VL 1 Fundamentals of Technical Drawing HÜ 1				
28						
29						
30						

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.