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

Sample course plan C Bachelor Engineering and Management - Major in Logistics and Mobility (WILUMBS)
Specialisation Traffic Planning and Systems

Legend:

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

	Semester 1 — Form Hrs/wk	Semester 2 — Form Hrs/wk	Semester 3 — Form Hrs/wk	Semester 4 — Form Hrs/wk	Semester 5 — Form Hrs/wk	Semester 6 — Form Hrs/wk
1	**Introduction to Logistics and Mobility**	**Mechanics II: Mechanics of Materials**	**Technical drawing and CAD (part 2)**	**Introduction to Operations Research and Statistics**	**Project Course Logistics and Mobility**	**Legal Foundations of Logistics and Mobility**
2	Freight Traffic and Logistics — VL 2	Mechanics II — VL 2	Introduction to CAD — GÜ 2	Introduction to Statistics — VL 2		Legal foundations for logistics and mobility — VL 4
3	Freight Traffic and Logistics — PBL 2	Mechanics II — GÜ 2		Introduction to Operations Research — VL 2		
4	Introduction to Scientific Work — VL 1	Mechanics II — HÜ 2	**Transportation Planning and Traffic Engineering**	Exercises to Introduction in Quantitative — GÜ 2		
5			Transport Planning and Traffic Engineering — PBL 4	Methods in Logistics		
6						
7	**Foundations of Management**	**Mathematics II**		**Management**	**Ethics and Technology**	**Electrical Machines and Actuators**
8	Introduction to Management — VL 3	Linear Algebra II — VL 2		Foundations of Management — VL 2	Technology Assessment — VL 2	Electrical Machines and Actuators — VL 3
9	Management Tutorial — GÜ 2	Linear Algebra II — GÜ 1		Finance and Accounting — VL 2		Electrical Machines and Actuators — HÜ 2
10		Linear Algebra II — HÜ 1			**Traffic systems and handling technology**	
11		Analysis II — VL 2	**Introduction to Economics**		Traffic systems and handling technology — VL 2	
12		Analysis II — HÜ 1	Introduction to Economics — VL 2		Traffic systems and handling technology — GÜ 2	
13	**Mathematics I**	Analysis II — GÜ 1	Introduction to Economics — GÜ 2	**Project Management and Controlling**		**Technical Thermodynamics I**
14	Linear Algebra I — VL 2			Foundations of project management — VL 2		Technical Thermodynamics I — VL 2
15	Linear Algebra I — GÜ 1	**Logistics Management**		Foundations of Controlling — VL 2	**Gamification of Strategic Thinking**	Technical Thermodynamics I — HÜ 1
16	Linear Algebra I — HÜ 1	Logistics Economics — PBL 3	**IT applications for logistics and mobility**		Gamification of Strategic Thinking — SE 4	Technical Thermodynamics I — GÜ 1
17	Analysis I — VL 2	Introduction into Production Logistics — VL 2	IT applications for logistics and mobility — VL 3			
18	Analysis I — GÜ 1		IT applications for logistics and mobility — GÜ 1			
19	Analysis I — HÜ 1			**Mobility Concepts**		**Bachelor Thesis**
20				Mobility Research and Transportation Projects — PBL 3		
21	**Mechanics I (Statics)**	**Technical Logistics**		Mobility in Megacities and Developing Countries — SE 3	**Introduction to Control Systems**	
22	Mechanics I — VL 2	Technical Logistics — VL 3			Introduction to Control Systems — VL 2	
23	Mechanics I — GÜ 2	Technical Logistics — GÜ 2	**Computer Science for Engineers - Introduction and Overview**		Introduction to Control Systems — GÜ 2	
24	Mechanics I — HÜ 1		Computer Science for Engineers - Introduction and Overview — VL 3			
25			Computer Science for Engineers - Introduction and Overview — GÜ 2	**Introduction to Transportation Economics**		
26				Introduction to Transportation Economics — VL 3		
27		**Technical drawing and CAD (part 1)**				
28		Fundamentals of Technical Drawing — VL 1				
29		Fundamentals of Technical Drawing — HÜ 1				
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.