

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

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: Traffic Planning and Systems	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		
2	Freight Traffic and Logistics VL 2		Mechanics II VL 2		Introduction to CAD GÜ 2		Introduction to Statistics VL 2		Legal Foundations of Logistics and Mobility Legal foundations for logistics and mobility VL 4		
3	Freight Traffic and Logistics PBL 2		Mechanics II GÜ 2		Transportation Planning and Traffic Engineering Transport Planning and Traffic Engineering PBL 4		Introduction to Operations Research VL 2				
4	Introduction to Scientific Work VL 1		Mechanics II HÜ 2			Exercises to Introduction in Quantitative GÜ 2		Methods in Logistics			
5											
6											
7	Foundations of Management		Mathematics II			Management		Ethics and Technology			
8	Introduction to Management VL 3		Linear Algebra II VL 2			Foundations of Management VL 2		Technology Assessment VL 2		Aeronautical Systems Air Transportation Systems VL 2 Fundamentals of Aircraft Systems VL 2 Fundamentals of Aircraft Systems GÜ 1 Air Transportation Systems HÜ 1	
9	Management Tutorial GÜ 2		Linear Algebra II HÜ 1		Finance and Accounting VL 2		Traffic systems and handling technology Traffic systems and handling technology VL 2 Traffic systems and handling technology GÜ 2				
10			Linear Algebra II HÜ 1		Introduction to Economics Introduction to Economics VL 2 Introduction to Economics GÜ 2						
11			Analysis II VL 2								
12			Analysis II HÜ 1								
13			Analysis II GÜ 1			Project Management and Controlling Foundations of project management VL 2 Foundations of Controlling VL 2					
14	Mathematics I		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		Business Administration and Enterprise Resource Planning: CERMEDES AG Business Administration and Enterprise Resource Planning: CERMEDES AG SE 2 Business Administration and Enterprise Resource Planning: CERMEDES AG VL 2	
15	Linear Algebra I VL 2										
16	Linear Algebra I GÜ 1										
17	Linear Algebra I HÜ 1										
18	Analysis I VL 2										
19	Analysis I GÜ 1										
20	Analysis I HÜ 1				Mobility Concepts Mobility Research and Transportation Projects PBL 3 Mobility in Megacities and Developing Countries SE 3		Bachelor Thesis				
21	Mechanics I (Statics)		Technical Logistics			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	Mechanics I VL 2		Technical Logistics VL 3						Simulation of Transport and Handling Systems Simulation of Transport and Handling Systems VL 1 Simulation of Transport and Handling Systems GÜ 3		
23	Mechanics I GÜ 2		Technical Logistics GÜ 2								
24	Mechanics I HÜ 1										
25											
26											
27			Technical drawing and CAD (part 1)		Introduction to Transportation Economics Introduction to Transportation Economics VL 3						
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.

