

# Course of Study Logistics and Mobility (Study Cohort w20)

Sample course plan A Bachelor Logistics and Mobility (LUMBS)

Specialisation: Engineering Science, Specialisation Logistics and Mobility

		Core Qualification Compulsory		Specialisation Compulsory		Focus Compulsory		Thesis Compulsory			
		Core Qualification Elective Compulsory		Specialisation Elective Compulsory		Focus Elective Compulsory		Interdisciplinary complement			
		Semester 3		Semester 4		Semester 5		Semester 6			
		Form Hrs/wk		Form Hrs/wk		Form Hrs/wk		Form Hrs/wk			
1	<b>Introduction to Logistics and Mobility</b>	<b>Mechanics II: Mechanics of Materials</b>		<b>Basics of Electrical Engineering</b>		<b>Fundamentals of Mechanical Engineering Design</b>		<b>Complementary Courses in Business Administration (part 2)</b>			
2	Freight Traffic and Logistics VL 2	Mechanics II VL 2		Basics of Electrical Engineering VL 3		Fundamentals of Mechanical Engineering Design VL 2		Electrical Machines and Actuators VL 3			
3	Freight Traffic and Logistics PBL 2	Mechanics II GÜ 2		Basics of Electrical Engineering GÜ 2		Fundamentals of Mechanical Engineering Design HÜ 2		Electrical Machines and Actuators HÜ 2			
4	Introduction to Scientific Work VL 1	Mechanics II HÜ 2									
5											
6											
7	<b>Foundations of Management</b>	<b>Mathematics II</b>		<b>Transportation Planning and Traffic Engineering</b>		<b>Introduction to Operations Research and Statistics</b>		<b>Project Course Logistics and Mobility</b>			
8	Introduction to Management VL 3	Linear Algebra II VL 2		Transport Planning and Traffic Engineering PBL 4		Introduction to Statistics VL 2					
9	Management Tutorial GÜ 2	Linear Algebra II GÜ 1				Introduction to Operations Research VL 2					
10		Linear Algebra II HÜ 1				Exercises to Introduction in Quantitative GÜ 2					
11		Analysis II VL 2				Methods in Logistics					
12		Analysis II HÜ 1						<b>Introduction to Control Systems</b>			
13		Analysis II GÜ 1									
14	<b>Mathematics I</b>			<b>Legal Foundations of Transportation and Logistics</b>		<b>Introduction to Transportation Economics</b>				<b>Introduction to Railways</b>	
15	Linear Algebra I VL 2			Legal Foundations of Transportation and Logistics VL 2		Introduction to Transportation Economics VL 3					
16	Linear Algebra I GÜ 1			Legal Foundations of Transportation and Logistics HÜ 1							
17	Linear Algebra I HÜ 1	<b>Logistics Management</b>									
18	Analysis I VL 2	Logistics Economics PBL 2									
19	Analysis I GÜ 1	Introduction into Production Logistics VL 2						<b>Object-oriented programming in logistics</b>			
20	Analysis I HÜ 1			<b>Traffic systems and handling technology</b>		<b>Complementary Courses in Business Administration (part 1)</b>					
21				Transport- and Handling-Technology VL 2		Selection from a catalog					
22	<b>Mechanics I (Statics)</b>	<b>Management</b>		Transport- and Handling-Technology GÜ 2							
23	Mechanics I VL 2	Foundations of Management VL 2									
24	Mechanics I GÜ 2	Finance and Accounting VL 2				<b>Computer Science for Engineers - Programming Concepts, Data Handling &amp; Communication</b>		<b>Bachelor Thesis</b>			
25	Mechanics I HÜ 1			<b>Mathematics III - Differential Equations I</b>		Computer Science for Engineers - Programming VL 3					
26				Differential Equations 1 VL 2		Concepts, Data Handling & Communication					
27				Differential Equations 1 GÜ 1		Computer Science for Engineers - Programming GÜ 2					
28				Differential Equations 1 HÜ 1		Concepts, Data Handling & Communication					
29		<b>Technical Logistics</b>		<b>Business Administration and Enterprise Resource Planning: CERMEDES AG</b>		<b>Mobility Concepts</b>					
30		Technical Logistics VL 3		Business Administration and Enterprise Resource Planning: CERMEDES AG SE 2		Mobility Research and Transportation Projects PBL 3					
31		Technical Logistics GÜ 2		Business Administration and Enterprise Resource Planning: CERMEDES AG VL 2		Mobility in Megacities and Developing Countries SE 3					
32											
33											

Non-technical Courses for Bachelors (from catalogue) - 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.

