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

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

Introduction to Logistics and Mobility
Freight Traffic and Logistics	VL	2
Freight Traffic and Logistics	PBL	2
Introduction to Scientific Work	VL	1

Foundations of Management
Introduction to Management	VL	3
Management Tutorial	GÜ	2

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

Mechanics I (Statics)
Mechanics I	VL	2
Mechanics I	GÜ	2
Mechanics I	HÜ	1

Mechanics II: Mechanics of Materials
Mechanics II	VL	2
Mechanics II	GÜ	2
Mechanics II	HÜ	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

Logistics Management
Logistics Economics	PBL	3
Introduction into Production Logistics	VL	2

Technical Logistics
Technical Logistics	VL	3
Technical Logistics	GÜ	2

Technical drawing and CAD (part 1)
Fundamentals of Technical Drawing	VL	1
Fundamentals of Technical Drawing	HÜ	1

Technical drawing and CAD (part 2)
Introduction to CAD	GÜ	2

Transportation Planning and Traffic Engineering
Transport Planning and Traffic Engineering	PBL	4

Introduction to Economics
Introduction to Economics	VL	2
Introduction to Economics	GÜ	2

IT applications for logistics and mobility
IT applications for logistics and mobility	VL	3
IT applications for logistics and mobility	GÜ	1

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

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

Management
Foundations of Management	VL	2
Finance and Accounting	VL	2

Project Management and Controlling
Foundations of project management	VL	2
Foundations of Controlling	VL	2

Mobility Concepts
Mobility Research and Transportation Projects	PBL	3
Mobility in Megacities and Developing Countries	SE	3

Introduction to Transportation Economics
Introduction to Transportation Economics	VL	3

Ethics and Technology - Responsible Innovation
Ethics and Technology - Responsible Innovation	VL	4

Traffic systems and handling technology
Traffic systems and handling technology	VL	2
Traffic systems and handling technology	GÜ	2

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

Project Seminar WILUM
Project Seminar WILUM	SE	3

Geotechnics I
Soil Mechanics	VL	2
Soil Mechanics	HÜ	2
Soil Mechanics	GÜ	2

Legal Foundations of Logistics and Mobility
Legal Foundations of Transportation and Logistics	VL	2
Legal Foundations of Transportation and Logistics	HÜ	1

Logistics, Transport and Environment
Logistics, Transport and Environment	PBL	2
Environmental Management and Corporate Responsibilty	SE	2

Planning Law and Environmental Law/ Sustainable Urban Development
Planning law and Environmental law	VL	2
Sustainable Urban Development	VL	2

Bachelor Thesis

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.