Course of Study Engineering and Management - Major in Logistics and Mobility (Study Cohort w23)

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

Specialisation Information Technology

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

Mathematics I
Mathematics I	VL	4
Mathematics I	HÜ	2
Mathematics I	GÜ	2

Engineering Mechanics I (Stereostatics)
Engineering Mechanics I	VL	2
Engineering Mechanics I	GÜ	2
Engineering Mechanics I	HÜ	1

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

Mathematics II
Mathematics II	VL	4
Mathematics II	HÜ	2
Mathematics II	GÜ	2

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

Engineering Mechanics II (Elastostatics)
Engineering Mechanics II	VL	2
Engineering Mechanics II	GÜ	2
Engineering Mechanics II	HÜ	2

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

Introduction to Economics
Introduction to Economics	VL	2
Introduction to Economics	HÜ	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

Project Management and Accounting
Foundations of project management	VL	2
Foundations of cost and activity accounting	VL	2

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

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 Investment	VL	2

IT applications for logistics and mobility
Introduction to Geoinformation Science	PBL	3
IT applications for logistics and mobility	VL	1
IT applications for logistics and mobility	GÜ	2

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

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

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

Automation in logistics
Automation in logistics - seminar	SE	2
Automation in logistics - Lab	PBL	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

Simulation of intra logistics
Simulation of intra logistics	SE	4

Process Management
Basics of process management	VL	2
Process management practice	SE	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

Bachelor Thesis

Semester rows: 1–36

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.