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 Production Management and Processes

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1	**Introduction to Logistics and Mobility**	**Mechanics II: Mechanics of Materials**	**Technical drawing and CAD (part 2)**	**Introduction to Operations Research and Statistics**	**Ethics and Technology - Responsible Innovation**	**Legal Foundations of Logistics and Mobility**

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

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

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 Operations Research and Statistics
Introduction to Statistics — VL 2
Introduction to Operations Research — VL 2
Exercises to Introduction in Quantitative — GÜ 2
Methods in Logistics

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

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

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

Management
Foundations of Management — VL 2
Finance and Accounting — VL 2

Project Course Logistics and Mobility

Production Engineering
Production Engineering I — VL 2
Production Engineering II — VL 2
Production Engineering II — HÜ 1
Production Engineering I — HÜ 1

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

Gamification of Strategic Thinking
Gamification of Strategic Thinking — SE 4

Simulation of intra logistics
Simulation of intra logistics — SE 4

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

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

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

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

Introduction to Control Systems
Introduction to Control Systems — VL 2
Introduction to Control Systems — GÜ 2

Bachelor Thesis

Fundamentals of Production and Quality Management
Production Process Organization — VL 2
Quality Management — VL 2

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

Technical Logistics
Technical Logistics — VL 3
Technical Logistics — GÜ 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

Simulation of Transport and Handling Systems
Simulation of Transport and Handling Systems — VL 1
Simulation of Transport and Handling Systems — GÜ 3

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

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

Semester rows: 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.