# Course of Study Engineering and Management - Major in Logistics and Mobility (Study Cohort w22)

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

Specialisation Information Technology

Legend:

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|---|---|---|---|
| Core Qualification Compulsory | Specialisation Compulsory | Focus Compulsory | Thesis Compulsory |
| Core Qualification Elective Compulsory | Specialisation Elective Compulsory | Focus Elective Compulsory | Interdisciplinary complement |

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|---|---|---|---|---|---|---|
| 1 | **Introduction to Logistics and Mobility**<br>Freight Traffic and Logistics VL 2<br>Freight Traffic and Logistics PBL 2<br>Introduction to Scientific Work VL 1 | **Mathematics II**<br>Mathematics II VL 4<br>Mathematics II HÜ 2<br>Mathematics II GÜ 2 | **Technical drawing and CAD (part 2)**<br>Introduction to CAD GÜ 2 | **Introduction to Operations Research and Statistics**<br>Introduction to Statistics VL 2<br>Introduction to Operations Research VL 2<br>Exercises to Introduction in Quantitative Methods in Logistics GÜ 2 | **Ethics and Technology - Responsible Innovation**<br>Ethics and Technology - Responsible Innovation VL 4 | **Legal Foundations of Logistics and Mobility**<br>Legal Foundations of Transportation and Logistics VL 2<br>Legal Foundations of Transportation and Logistics HÜ 1 |
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| 3 | | | | | | |
| 4 | | | **Introduction to Economics**<br>Introduction to Economics VL 2<br>Introduction to Economics HÜ 2 | | | |
| 5 | | | | | **Practical module 5 (dual study program, Bachelor's degree)**<br>Practical term 5 0 | **Logistics, Transport and Environment**<br>Logistics, Transport and Environment PBL 2<br>Environmental Management and Corporate Responsibilty SE 2 |
| 6 | | | | | | |
| 7 | **Foundations of Management**<br>Introduction to Management VL 3<br>Management Tutorial GÜ 2 | | | **Management**<br>Foundations of Management VL 2<br>Finance and Investment VL 2 | | |
| 8 | | | | | | |
| 9 | | **Logistics Management**<br>Logistics Economics PBL 3<br>Introduction into Production Logistics VL 2 | | | | |
| 10 | | | **Computer Science for Engineers - Introduction and Overview**<br>Computer Science for Engineers - Introduction and Overview VL 3<br>Computer Science for Engineers - Introduction and Overview GÜ 2 | | | |
| 11 | | | | | **Mathematics III**<br>Analysis III VL 2<br>Analysis III GÜ 1<br>Analysis III HÜ 1<br>Differential Equations 1 VL 2<br>Differential Equations 1 GÜ 1<br>Differential Equations 1 HÜ 1 | **Bachelor thesis (dual study program)** |
| 12 | | | | | | |
| 13 | **Mathematics I**<br>Mathematics I VL 4<br>Mathematics I HÜ 2<br>Mathematics I GÜ 2 | | | **IT applications for logistics and mobility**<br>Introduction to Geoinformation Science PBL 3<br>IT applications for logistics and mobility VL 1<br>IT applications for logistics and mobility GÜ 2 | | |
| 14 | | | | | | |
| 15 | | **Technical Logistics**<br>Technical Logistics VL 3<br>Technical Logistics GÜ 2 | | | | |
| 16 | | | **Project Management and Accounting**<br>Foundations of project management VL 2<br>Foundations of cost and activity accounting VL 2 | | | |
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| 19 | | | | **Practical module 4 (dual study program, Bachelor's degree)**<br>Practical term 4 0 | **Automation in logistics**<br>Automation in logistics - seminar SE 2<br>Automation in logistics - Lab PBL 2 | |
| 20 | | | | | | |
| 21 | **Practical module 1 (dual study program, Bachelor's degree)**<br>Practical term 1 0 | **Technical drawing and CAD (part 1)**<br>Fundamentals of Technical Drawing VL 1<br>Fundamentals of Technical Drawing HÜ 1 | | | | |
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| 23 | | | **Practical module 3 (dual study program, Bachelor's degree)**<br>Practical term 3 0 | | | |
| 24 | | **Practical module 2 (dual study program, Bachelor's degree)**<br>Practical term 2 0 | | | | |
| 25 | | | | | | |
| 26 | | | | **Computer Science for Engineers - Programming Concepts, Data Handling & Communication**<br>Computer Science for Engineers - Programming Concepts, Data Handling & Communication VL 3<br>Computer Science for Engineers - Programming Concepts, Data Handling & Communication GÜ 2 | **Business Administration and Enterprise Resource Planning: CERMEDES AG**<br>Business Administration and Enterprise Resource Planning: CERMEDES AG SE 2<br>Business Administration and Enterprise Resource Planning: CERMEDES AG VL 2 | |
| 27 | **Engineering Mechanics I (Stereostatics)**<br>Engineering Mechanics I VL 2<br>Engineering Mechanics I GÜ 2<br>Engineering Mechanics I HÜ 1 | | | | | |
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| 29 | | | **Transportation Planning and Traffic Engineering**<br>Transport Planning and Traffic Engineering PBL 4 | | | |
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| 31 | | | | **Simulation of intra logistics**<br>Simulation of intra logistics SE 4 | **Project Seminar WILUM**<br>Project Seminar WILUM SE 3 | |
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Linking theory and practice (dual study program, Bachelor's degree) (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.