# 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)
Specialisation Production Management and Processes

**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 |

| | Semester 1 | Form | Hrs/wk | Semester 2 | Form | Hrs/wk | Semester 3 | Form | Hrs/wk | Semester 4 | Form | Hrs/wk | Semester 5 | Form | Hrs/wk | Semester 6 | Form | Hrs/wk |
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| 1 | **Introduction to Logistics and Mobility** | | | **Mathematics II** | | | **Technical drawing and CAD (part 2)** | | | **Introduction to Operations Research and Statistics** | | | **Project Course Logistics and Mobility** | | | **Legal Foundations of Logistics and Mobility** | | |
| 2 | Freight Traffic and Logistics | VL | 2 | Mathematics II | VL | 4 | Introduction to CAD | GÜ | 2 | Introduction to Statistics | VL | 2 | | | | Legal foundations for logistics and mobility | VL | 4 |
| 3 | Freight Traffic and Logistics | PBL | 2 | Mathematics II | HÜ | 2 | | | | Introduction to Operations Research | VL | 2 | | | | | | |
| 4 | Introduction to Scientific Work | VL | 1 | Mathematics II | GÜ | 2 | **Transportation Planning and Traffic Engineering** | | | Exercises to Introduction in Quantitative | GÜ | 2 | | | | | | |
| 5 | | | | | | | Transport Planning and Traffic Engineering | PBL | 4 | Methods in Logistics | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | **Foundations of Management** | | | | | | | | | **Management** | | | **Ethics and Technology** | | | **Production Engineering (part 2)** | | |
| 8 | Introduction to Management | VL | 3 | | | | | | | Foundations of Management | VL | 2 | Technology Assessment | VL | 2 | Production Engineering II | VL | 2 |
| 9 | Management Tutorial | GÜ | 2 | **Logistics Management** | | | | | | Finance and Accounting | VL | 2 | | | | Production Engineering II | HÜ | 1 |
| 10 | | | | Logistics Economics | PBL | 3 | **Introduction to Economics** | | | | | | **Production Engineering (part 1)** | | | | | |
| 11 | | | | Introduction into Production Logistics | VL | 2 | Introduction to Economics | VL | 2 | | | | Production Engineering I | VL | 2 | **Logistics Service Provider Management** | | |
| 12 | | | | | | | Introduction to Economics | GÜ | 2 | | | | Production Engineering I | HÜ | 1 | Logistics Service Provider Management | SE | 3 |
| 13 | **Mathematics I** | | | | | | | | | **Project Management and Controlling** | | | **Business Administration and Enterprise Resource Planning: CERMEDES AG** | | | | | |
| 14 | Mathematics I | VL | 4 | | | | | | | Foundations of project management | VL | 2 | Business Administration and Enterprise Resource | SE | 2 | | | |
| 15 | Mathematics I | HÜ | 2 | **Technical Logistics** | | | | | | Foundations of Controlling | VL | 2 | Planning: CERMEDES AG | | | | | |
| 16 | Mathematics I | GÜ | 2 | Technical Logistics | VL | 3 | | | | | | | Business Administration and Enterprise Resource | VL | 2 | **Simulation of intra logistics** | | |
| 17 | | | | Technical Logistics | GÜ | 2 | **IT applications for logistics and mobility** | | | | | | Planning: CERMEDES AG | | | Simulation of intra logistics | SE | 4 |
| 18 | | | | | | | IT applications for logistics and mobility | VL | 3 | | | | | | | | | |
| 19 | | | | | | | IT applications for logistics and mobility | GÜ | 1 | **Fundamentals of Production and Quality Management** | | | **Production Logistics** | | | | | |
| 20 | | | | | | | | | | Production Process Organization | VL | 2 | Production Logistics Seminar | SE | 2 | | | |
| 21 | **Engineering Mechanics I (Stereostatics)** | | | **Technical drawing and CAD (part 1)** | | | | | | Quality Management | VL | 2 | | | | | | |
| 22 | Engineering Mechanics I | VL | 2 | Fundamentals of Technical Drawing | VL | 1 | **Computer Science for Engineers - Introduction and Overview** | | | | | | | | | **Bachelor Thesis** | | |
| 23 | Engineering Mechanics I | GÜ | 2 | Fundamentals of Technical Drawing | HÜ | 1 | Computer Science for Engineers - Introduction | VL | 3 | | | | | | | | | |
| 24 | Engineering Mechanics I | HÜ | 1 | | | | and Overview | | | | | | | | | | | |
| 25 | | | | **Engineering Mechanics II (Elastostatics)** | | | Computer Science for Engineers - Introduction | GÜ | 2 | | | | | | | | | |
| 26 | | | | Engineering Mechanics II | VL | 2 | and Overview | | | **Process Management** | | | | | | | | |
| 27 | | | | Engineering Mechanics II | GÜ | 2 | | | | Basics of process management | VL | 2 | | | | | | |
| 28 | | | | Engineering Mechanics II | HÜ | 2 | | | | Process management practice | SE | 2 | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | |
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| Non-technical Courses for Bachelors (from catalogue) - 6LP |
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| Technical Complementary Course for Logistics and Mobility (according to Subject Specific Regulations) - 6LP |
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The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.