# Course of Study Logistics and Mobility (Study Cohort w18)

Sample course plan A Bachelor Logistics and Mobility (LUMBS)
Specialisation Engineering Science, Specialisation Logistics and Mobility

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 |

| LP | Semester 1 | Form | Hrs/Sem | Semester 2 | Form | Hrs/Sem | Semester 3 | Form | Hrs/Sem | Semester 4 | Form | Hrs/Sem | Semester 5 | Form | Hrs/Sem | Semester 6 | Form | Hrs/Sem |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **Engineering Mechanics I** | | | **Engineering Mechanics II** | | | **Basics of Electrical Engineering** | | | **Fundamentals of Mechanical Engineering Design** | | | **Complementary Courses in Business Administration (part 2)** | | | **Electrical Machines and Actuators** | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 3 | Engineering Mechanics I | VL | 3 | Engineering Mechanics II | VL | 3 | Basics of Electrical Engineering | VL | 3 | Fundamentals of Mechanical Engineering Design | VL | 2 | Selection from a catalog | | | Electrical Machines and Actuators | VL | 3 |
| | Engineering Mechanics I | UE | 2 | Engineering Mechanics II | UE | 2 | Basics of Electrical Engineering | UE | 2 | | | | | | | Electrical Machines and Actuators | HÜ | 2 |
| 4 | | | | | | | | | | Fundamentals of Mechanical Engineering Design | HÜ | 2 | **Project Course Logistics and Mobility** | | | | | |
| 5 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | **Introduction to Logistics and Mobility** | | | **Mathematics II** | | | **Transportation Planning and Traffic Engineering** | | | **Introduction to Quantitative Methods in Logistics** | | | | | | **Aeronautical Systems** | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | Freight Traffic and Logistics | VL | 2 | Linear Algebra II | VL | 2 | Transport Planning and Traffic Engineering | PB | 4 | Introduction to Statistics | VL | 2 | **Introduction to Control Systems** | | | Air Transportation Systems | VL | 2 |
| 11 | | | | Linear Algebra II | UE | 1 | | | | | | | | | | | | |
| 12 | Freight Traffic and Logistics | PB | 2 | Linear Algebra II | HÜ | 1 | | | | Introduction to Operations Research | VL | 2 | Introduction to Control Systems | VL | 2 | Fundamentals of Aircraft Systems | VL | 2 |
| | Introduction to Scientific Work | VL | 1 | Analysis II | VL | 2 | | | | | | | Introduction to Control Systems | UE | 2 | Fundamentals of Aircraft Systems | UE | 1 |
| | | | | Analysis II | HÜ | 1 | | | | Exercises to Introduction in Quantitative | UE | 2 | | | | Air Transportation Systems | HÜ | 1 |
| | | | | Analysis II | UE | 1 | | | | | | | | | | | | |

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| | | | | Methods in Logistics | | |
| 13 | **Foundations of Management** | | **Legal Foundations of Transportation and Logistics** | **IT for Logistics** | | **Introduction to Railways** |
| 14 | | | | | | |
| 15 | Introduction to Management VL 3 | **Logistics Management** | Legal Foundations of Transportation and Logistics VL 2 | IT for Logistics VL 2 | | Introduction to Railways VL 2 |
| 16 | Management Tutorial HÜ 2 | Logistics Economics PB 2<br>Introduction into Production Logistics VL 2 | Legal Foundations of Transportation and Logistics HÜ 1 | IT for Logistics UE 2 | **Object-oriented programming in logistics**<br>Object-oriented programming in logistics SE 4 | Introduction to Railways HÜ 1 |
| 17 | | | **Transport- and Handling-Technology** | | | |
| 18 | | | | | | |
| 19 | **Mathematics I** | | Transport- and Handling-Technology VL 2 | **Introduction to Transportation Economics** | | **Bachelor Thesis** |
| 20 | | | | | | |
| 21 | Linear Algebra I VL 2<br>Linear Algebra I UE 1 | **Management** | | | | |
| 22 | Linear Algebra I HÜ 1<br>Analysis I VL 2<br>Analysis I UE 1 | Foundations of Management VL 2<br>Finance and Accounting VL 2 | Transport- and Handling-Technology UE 2 | Introduction to Transportation Economics VL 2<br>Introduction to Transportation Economics HÜ 1 | | |
| 23 | Analysis I HÜ 1 | | **Mathematics III - Differential Equations I** | | | |
| 24 | | | | | | |
| 25 | | | Differential Equations 1 VL 2 | **Complementary Courses in Business Administration (part 1)** | | |
| 26 | | | Differential Equations 1 UE 1<br>Differential HÜ 1 | Selection from a | | |

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|---|---|---|---|---|---|
| | | | Equations 1 | catalog | |
| 27 | | **Technical Logistics** | **Business Simulation Marktstrat** | **Mobility Concepts** | |
| 28 | | Technical Logistics VL 3 | Business Simulation Marktstrat SE 4 | Mobility Research and Transportation Projects PB 3 | |
| 29 | | Technical Logistics HÜ 2 | | Mobility in Megacities and Developing Countries SE 3 | |
| 30 | | | | | |
| 31 | | | | | |
| 32 | | | | | |
| 33 | | | | | |

Nontechnical Complementary Courses for Bachelors (from catalogue) - 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.