

Semester 8			Bachelor Thesis: Transportation Systems DE/EN 12		Elective Module 4 4	Elective Module 6 4	Elective Module 8 4			
Semester 7			Project Thesis: Transportation Systems DE/EN 6		Elective Module 3 4	Elective Module 5 4	Elective Module 7 4	Elective Module Cross-Curricular 4		
Semester 6	Elective Module Context 2		Transportation Practice Project 2 DE 4	Elective Module 2 4		Facility and Fleet Management DE 4	Reliability, Availability, Maintainability and Safety DE 4			Numerics DE
Semester 5	Elective Module Context 2	Elective Module Context 2	Transportation Practice Project 1 DE 4	Elective Module 1 4		Operations Management Fundamentals DE 4	Operations Research DE 4			Physics 3 DE 4
Semester 4	Elective Module Communication 2		Transportation Project 2 DE 4	Transportation Law DE 4	Maintenance DE 4		Data Analysis and Forecasting DE 4			Physics 2 DE 4
Semester 3	Elective Module Communication 2		Transportation Project 1 DE 4	Transportation Economics 2 DE 4	Intermodality and Multimodality DE 4				Stochastics and Statistics DE 4	Physics 1 DE 4
Semester 2	Communication Compet. Basic 2			Transportation Economics 1 DE 4	Transportation Systems - Ope- rations DE 4	Computer Sci- ence Programm- ing 2 DE 4		Analysis 2 DE 4	Linear Algebra 2 DE 4	
Semester 1	Digitisation of Economic Sys- tems DE 2			Spatial Planning DE 4	Transportation Systems - Basics DE 4	Computer Sci- ence Programm- ing 1 DE 4		Analysis 1 DE 4	Linear Algebra 1 DE 4	
Context Modules		Project Modules	Subject-Specific Modules					Mathematics and Natural Science Modules		

Module Name

Language of Instruction

Credits

Overview of Mobility Science elective modules

During your third and fourth year of study, you will choose eight of the following elective modules*. This will allow you to create an individual profile in the following subject areas:

Modelling and Simulation of Transportation Systems

- Mobility Data
- Logistics
- Traffic Engineering

Semester 6/8	Logistik and Supply Chain Management 2 DE	Modeling and Simulation 2 DE	Transport Engineering 2 DE	Mobility Data Analytics DE	Control Technology & Customer Information DE	
Semester 5/7	Logistik and Supply Chain Management 1 DE	Modeling and Simulation 1 DE	Transport Engineering 1 DE	Mobility Data Mining DE	Network Development DE	Surveys and Samples DE

* For modules that build on each other, part 1 must be completed in order to participate in part 2. It is, however, possible to also only select part 1.