

	1 st Semester	2 nd Semester	3 rd Semester	4 th Semester	5 th Semester	6 th Semester
1	Fundamentals of electrical engineering II: Electric and magnetic fields (8 CP) Lab work (1 CP) Zimmermann Exam	Fundamentals of Electrical Engineering: AC and DC networks (6 CP) Zimmermann Exam	Advanced Construction Theory / Construction project II (5 CP) Poll/Lachmayer Exam	Basics of Electromagnetic Energy Conversion (5 CP) Ponick Exam	Basics of Control Engineering (4 CP) Müller Exam	Module Bachelor Thesis (13 CP) Bachelor Thesis (11 CP) Presentation (1 CP) Introduction to scientific work (1 CP)
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3		Philosophy of Science and Ethics of Technical Science (5 CP) Reydon/Frisch	Numerical Mathematics / Mathematical Tools (6 CP) Krug Exam	Polymer Materials (3 CP) Labwork: Material Testing (2 CP) Endres Exam	Thermal Fluids-Dynamics (5 CP) Schart/Seume Exam	
4						
5		Construction Theory I / Construction Project (4 CP) Lachmayer Exam	Introduction to Sustainability Economics (4 CP) Grote Exam	Renewable Energy (5 CP) Seume/Kabelac/ET-Inf	Elective Module II (5 CP) Written/Oral Exam	
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7	Bachelor Project (4 CP)	Material Science I (5 CP) Maier Exam				
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					Mobility window	
CP	29	33	27	32	26	33

Sustainable Science
 Specialization Modules

Basics in Engineering Technology

Students who want to study **Power Engineering in their Master's degree** can choose "Heat Transfer I" instead of "Thermal Fluids - Dynamics" and "Fluid Mechanics I" as Elective Module I.

Students who want to study **Mechatronics and Robotics in their Master's degree** can choose Measurement Technology I (Basics of Measurement Technology) instead of Measurement and Control Technology and Control Technology I as Elective Module I