

CP	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6		
1	Basics of Electrical Engineering: AC and DC Networks (6 CP) <i>Zimmermann</i> Written examination	Basics of Electrical Engineering II: Electric and Magnetic Fields (8 CP) Laboratory Exercise (1 CP) <i>Zimmermann</i> Written examination	Thermodynamics I + Chemistry (7 CP) <i>Kabelac+Renz</i> Written examination	Thermofluid Dynamics (5 CP) <i>Scharf/Seume</i> Written examination	Renewable Energies (5 CP) <i>Seume/Kabelac/ET-Inf</i>	Bachelor's thesis module (13 CP) Bachelor's thesis (11 CP) Presentation (1 CP) Coursework Introduction to Academic Writing (1 CP) Coursework		
2							Foundations of Measurement (2 CP) <i>Zimmermann</i> Coursework	Foundations of Electromagnetic Energy Conversion (5 CP) <i>Ponick</i> Written examination
3				Advanced Design: Construction Design Project II (5 CP) <i>Poll/Lachmayer</i> Written examination	Digitalisation + Practical Programming Task (4 CP + 1 CP) <i>Ostermann</i> Written examination		Numerical Mathematics / Mathematical Tools (6 CP) <i>Krug</i> Written examination	
4								Mathematics I (8 CP) <i>Krug</i> Written examination
5				Basics of Engineering Mechanics I (5 CP) <i>Wallaschek</i> Written examination	Introduction to Sustainability Economics (4 CP) <i>Grote</i> Written examination		Introduction to Environmental Law (3 CP) <i>Stender-Vorwachs</i>	
6	Philosophy of Science and Ethics of Engineering (5 CP) <i>Reydon/Frisch</i>	Polymeric Materials (3 CP) Materials Testing Laboratory Exercise (2 CP) <i>Endres</i> Written examination	Tutorials or Studium Generale (2 CP) Written/oral examination					Core Elective Module II (5 CP) Written/oral examination
7				Bachelor's Project (4 CP)	(Empty cell)	(Empty cell)	(Empty cell)	
8	Introduction to Sustainability Science (5 CP) <i>Förster & Becker/Nagel</i>	(Empty cell)	(Empty cell)					(Empty cell)
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Mobility window						
CP	32	32	31	28	29	28

- Modules determining the profile
- Basic modules
- Students intending to take the **Master's programme in Power Engineering** choose Heat Transfer I instead of Thermofluid Dynamics, and Fluid Mechanics I as their Core Elective Module I
- Students intending to take the **Master's programme in Mechatronics and Robotics** choose Measurement Technology I (Foundations of Measurement Technology) instead of Measurement and Control Technology, and Closed Loop Control as their Core Elective Module I