

Study Plan - Building Services and Energy Efficiency (GTE)

		ECTS																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Semester	1	Climate Change, Energy Transition and Energy Potentials					Fundamentals of Electrical Engineering					Statics and Strength of Materials					Computer Science Engineering					Applied Physics 1					Engineering Mathematics 1				
	2	Building Law (with HA/BI)					Building Construction(IFM)					Water and Wastewater Management					Materials Engineering (WI SoSe)					Applied Physics 2					Engineering Mathematics 2				
	3	Integrated Planning, BIM and CAD					Building Physics(with HA/BI or IAB)					Heating Technology					Fluid Mechanics					Thermodynamics and Heat Transfer					Engineering Mathematics 3				
	4	FWPM					Electrical Building Equipment and Building Automation					Ventilation and Air Conditioning Technology					Technical Building Equipment Lap / Digital and Laboratory					Applied Control and Regulation Technology					Heat Pumps and Refrigeration Technology				
		Practical Module 1																													
	5	AWPM					Practice-Oriented Course and Academic Work					Practical Study Semester/ Mobility Window for a Period Abroad																			
												Practical Study Semester																			
6	Energy Balancing and Energy Efficiency					Dynamic Building Simulation					Fire Protection / Lighting Technology (with IFM)					Control and Regulation Technology for Buildings					Solar Energy Systems					Project Thesis					
																										Practical Module 2					
7	FWPM					Technical English			Interdisciplinary Project (with HA/BI)					Sound and Vibration Protection					Bachelor's Thesis												
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		Internship Prior to Beginning The Degree (8 Weeks)																													

- Basic Modules in Mathematics and Natural Sciences
- Basic Engineering Modules
- Specialized Modules-Building Technology
- Specialized Modules - Building Physics

- Specialized Modules - Construction
- Specialized Modules – Renewable Energies
- General Studies and Elective Modules
- Professional Practice and Independent Work
- Modules Dual Degree Programme