

International Bachelor of Engineering – Energy and Building Technology

SEMESTER	FWPM = Specialist required Elective Courses																													CREDIT POINTS (CP)					
	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					
1	Mathematics 1.1				Applied Informatics				Technical Mechanics 1: Statics				Electrical Engineering 1.1				German B1.1				German B1.2														
2	Mathematics 1.2				Physics 1				Basic Chemistry				Electrical Engineering 2				German B2.1				German B2.2														
3	Mathematics 2				Physics 2				Basics of Technical Simulation				Building Construction				Technical German 1				Technical German 1														
4	Energy Potentials and Energy Transition				Thermodynamics and Heat Transfer				Fluid Mechanics and Turboengines				Material Sciences				Building Services1				Building Physics														
5	Electrical Systems Engineering				Energy Efficiency of Buildings 1				Solar Technology				Simulation and Control Technology				Building Services 2				Building Services 3														
6	Internship in Germany or abroad																									Supporting Course to the Practical Study Phase									
7	FWPM				Wind and Hydro Power Plants				Energy Management				Control Technology in Buildings				Construction Business Management				Project Thesis														
					Energy Efficiency of Buildings 2				Sanitary Technology																										
8	Lines and Networks				Thermal Power Plants				Energy Economics		Energy Storage		Project and Construction Management				Bachelor`s Thesis																		
	Noise and Vibration Protection in Buildings				Sustainable Heating and Cooling by Use of Heat Pumps				Indoor climate		Practical Training Building Technology																								
in total 240 CP																																			

Module legend:

Major "Building Physics & Building Technology"

Major "Energy Technology"

Practical semester

German as a foreign language

Modules taught in English