

# Study Programme Renewable Energy Engineering and Energy Efficiency (Bachelor of Engineering)

Semester							ECTS points/ Weekly semester hours	
Study stage 2	7	Lab Course Energy Engineering 2 5/4	Mandatory General Scientific Elective Modules 5/4	Mandatory General Scientific Elective Modules 5/4	Bachelor Thesis Presentation 3/	Bachelor Thesis 12/		30/12
	6	Lab Course Energy Engineering 1 5/4	Mandatory General Scientific Elective Modules 5/4	Mandatory General Scientific Elective Modules 5/4	Mandatory General Scientific Elective Modules 5/4	Mandatory General Scientific Elective Modules 5/4	Project Work 5/4	30/24
	5	Mandatory General Studies Module 1 2/2	Elective Modules Module 2 2/2	Practical Semester 24/2				28/6
	4	Power Electronics 5/4	Electrical System Techology and Electrical Safety 7/6	Heat Transfer 3/2	Fluid Engines 4/4	Energy Economy and Energy Efficiency 7/6	Energy and Environmental Legislation, Project Management 4/4	30/26
	3	Components and Electronics 5/4	Electrical Machines 5/4	Thermodynamics 6/5	Fluid Mechanics 5/4	Control Engineering 7/6	Economic Calculation 4/4	32/27
	Study stage 1	2	Mathematics 2 6/6	Electrical Engineering 2 7/6	Computer Science 2 5/4	Electrical Measurements 6/6	Werkstoff- technik 6/6	30/28
		1	Mathematics 1 6/6	Electrical Engineering 1 7/6	Computer Science 1 6/6	Physics and Chemistry 5/4	Technische Mechanik 6/6	30/28