

# International Energy Engineering Studienplan/Curriculum

		1. Semester – SS		2. Semester – WS		3. Semester – SS	
		ECTS	SWS	ECTS	SWS	ECTS	SWS
<b>1</b>	<b>Compulsory Modules</b>	<b>10</b>	<b>8</b>	<b>15</b>	<b>12</b>		
1.1	Simulation of Energy Systems	5	4				
1.2	Scientific Research and Methods			5	4		
1.3	Innovation Management and Communication			5	4		
1.4	International Energy Law and Energy Economics	5	4				
1.5	Project with Seminar			5	4		
<b>2</b>	<b>Elective Modules*</b>	<b>10</b>	<b>8</b>	<b>15</b>	<b>12</b>		
2.1	Wind and Hydropower			5	4		
2.2	Solar Energy	5	4				
2.3	Digital and Integrated Energy Systems	5	4				
2.4	Energy Storage	5	4				
2.5	Electrochemical Energy Converters and Hydrogen Technology	5	4				
2.6	Energy Efficiency	5	4				
2.7	Sustainable Building Technology			5	4		
2.8	Bioenergy	5	4				
2.9	Plant and Equipment Design in Energy Technology			5	4		
2.10	Concepts of Combined Heat, Power and Cooling			5	4		
2.11	Sustainable Mobility	5	4				
2.12	Methods fo Life Cycle Assessment			5	4		
2.13	Energy Management with AI-Methods			5	4		
<b>3.</b>	<b>Master Thesis</b>					<b>30</b>	<b>-</b>
<b>Sum</b>		<b>30</b>	<b>24</b>	<b>30</b>	<b>24</b>	<b>30</b>	<b>-</b>

\* Out of the electives seven modules have to be selected (35 ECTS-points in total). The offer depends on the election result.