Curriculum: Energy Systems and Renewable Energies

Bachelor of Engineering, 7 semesters, Technische Hochschule Ingolstadt

7. Semester	Elective	Bachelor‘s Thesis and Seminar			Energy from Biomass and Biogenic Residues	Mobility within the Energy System
6. Semester	Project	Elective	Elective	Solar Buildings and Energy Consulting	Energy Markets and Coupling Sectors	Smart Grids and Wind Energy
5. Semester	Practical Seminar	Internship				Project and Quality Management
4. Semester	Project: Design and Development	Control Engineering	Energy Distribution and CHP Plants	Building Technology and Smart Homes	Solar Energy Technologies	Cost and Investment Management
3. Semester	Product Development and CAD	Measurement Engineering	Machine Elements	Thermodynamics 2	Fluid Mechanics	Thermal Energy Technology and Power Plants
2. Semester	Engineering Mathematics 2	Material Science	Mechanics of Materials	Thermodynamics 1	Energy Storage	Entrepreneurship and Sustainability
1. Semester	Engineering Mathematics 1	Computer Science in Engineering	Basics of Mechanical Design	Statics	Electrical Engineering	Energy Systems and Energy Economics

Legend:

Management	3 Modules	**General Basics**	3 Modules	Electives	3 Modules
General Engineering	13 Modules	**Specialization Energy**	11 Modules	Personal and Practical Skills	4 Modules