International Bachelor of Engineering – Sustainable Polymer Engineering/Plastics Engineering

SEMESTER   **FWPM** = Specialist required Elective Courses   **CREDIT POINTS (CP)**

Sem	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	IBR13 Mathematics 1.1 (5 CP)					IBR15 Applied Informatics (5 CP)					IBR16 Engineering Mechanics 1: Statics (5 CP)					IBR14 Electrical Engineering 1.1 (5 CP)					IBR11 German B1.1 (5 CP)					IBR12 German B1.2 (5 CP)				
2	IBR23 Mathematics 1.2 (5 CP)					IBR24 Physics 1 (5 CP)					IBR25 Technical Drawing & CAD (5 CP)					IBR25 Basic Chemistry (5 CP)					IBR21 German B2.1 (5 CP)					IBR22 German B2.2 (5 CP)				
3	IBR33 Mathematics 2 (5 CP)					IBR25 Technical Design (5 CP)					IBR25 Engineering Mechanics 2: Mechanics of Materials (5 CP)					IBR25 Manufacturing Technology and Materials Science (5 CP)					IBR31 Technical German 1 (5 CP)					IBR32 Technical German 2 (5 CP)				
4	NP031 Rheology and Material Testing (5 CP)					NP032 Thermodynamics (5 CP)					NP033 Polymer Chemistry (5 CP)					NP034 Polymer Materials (5 CP)					NP035 Machine Elements: Metal (5 CP)					NP036 Automation and Digitalization (5 CP)				
5	NP041 Measurement Technology & Control Systems (5 CP)					NP042 Plastic Processing 1: Injection Molding (5 CP)					NP043 Plastic Processing 2: Extrusion (5 CP)					NP044 Plastic Processing 3: Fiber Composite (5 CP)					NP045 Machine Elements: Polymers (5 CP)					FWPM / Internship component during studies				
6	Internship in Germany or abroad																									MG-PLV Lecture for Practical Internship (6 CP)				
	FWPM					FWPM					FWPM					Internship component during studies														
7	NP061 Industrial Project Work (5 CP)					NP062 Engineering Computation and Simulation (5 CP)					NP063 Polymer Processing 4: Further Processing (5 CP)					NP064 Product Development with Plastics (5 CP)					FWPM / Internship component during studies					FWPM				
8	NP061 Industrial Project Work / FWPM					NP071 Tool Design and Construction (5 CP)					NP072 Sustainable Raw Material- and Resource Management (5 CP)					NP073 Plastic-specific Aspects of Sustainability (3 CP)				BA Bachelor`s Thesis (12 CP)											

in total 240 CP

Module legend:

- Rosenheim study model <u>with</u> practical semester
- Rosenheim study model <u>without</u> practical semester
- German as a foreign language
- Modules taught in German