International Bachelor of Engineering – Mechanical Engineering

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	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 (5CP)					IBR21 German B2.1 (5 CP)					IBR22 German B2.2 (5 CP)				
3	IBR33 Mathematics 2 (5 CP)					IBR25 Technical Design					IBR25 Engineering Mechanics 2: Mechanics of Materials (5 CP)					IBR25 Manufacturing Processes					IBR31 Technical German 1 (5 CP)					IBR32 Technical German 2 (5 CP)				
4	MB031 Machine Elements 1.1 (5 CP)					MB038 Measurement Technology (5 CP)					MB032 Materials (5 CP)					MB033 Engineering Mechanics 3: Kinematics and Kinetics (5 CP)					MB034 Thermodynamics (5 CP)					MB036 Fluid mechanics (5 CP)				
																					MB035 Industrial Robot (5 CP)					MB037 Industrial Manufacturing and Assembly Processes (5 CP)				
5	MB031 Machine Elements 1.2 (5 CP)					MB041 Engineering Computation and Simulation (5 CP)					MB042 Lightweight Construction (5 CP)					MB044 Machine Dynamics (5 CP)					MB046 Finite Element Method (5 CP)					FWPM-MB				
											MB043 Control Engineering (5CP)					MB045 Production Planning and Controlling (5 CP)					MB066 Quality Management & Statistics (5CP)					Internship component during studies (5 CP)				
6	Internship in Germany or abroad																									MG-PLV Lectures for Practical Internship (6 CP)				
	MB046 Finite element method (5 CP)					FWPM-MB					FWPM-ING					Internship component during studies														
7	MB061 Electric Drives (5 CP)					MB063 Continuous Control Systems (5 CP)					MB062 Investment and Costing (5 CP)					MB064 Product Development and Machine Elements 2 (5 CP)					MB066 Quality Management & Statistics (5 CP)					FWPM-ING				
																MB065 Automated Production Plants (5 CP)					Internship component during studies									
8	MB071 Machine Tools (5 CP)					MB072 Precision Engineering and Optics (5 CP)					FWPM-ING					FWPM-MB					BA Bachelor`s Thesis (12 CP)									
						MB073 Discrete Control Systems (5 CP)																										

in total 240 CP

Module legend:

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