

STUDIENINHALTE

MASCHINENBAU/INTERNATIONAL PROJECT ENGINEERING (INTERNATIONALE VARIANTE)

SEM.	MODULÜBERSICHT/MODULE OVERVIEW						REGULAR MODEL	ECTS
1	Analysis 1 5	Professional English 5	Linear Algebra 5	Introduction production technology 5	Programming 5	Electrical engineering 1 5	30	
2	Analysis 2 5	Technical Drawing and CAD 5	Statics and Mechanics of Materials 5	Materials Science 5	Product Engineering with Polymer Materials 5	Electrical engineering 2 5	30	
3	Thermodynamics and fluid dynamics 5	EE^2; English and Economy 5	Advanced Production Technologies 5	Project and Business Management 5	Project mit Seminary 5	Systems Engineering 5	30	
4	Kinematics and Kinetics 5	Deutsch als Fremdsprache Level B2 5	Digital production and Industry 4.0 5	Six Sigma and quantitative methods 5	Selection module 1 5	Selection module 2 5	30	
5	Practical training (international*)						30	30
6	Zerspanungstechnik und Werkzeugmaschinen (D) 5	Robotik Grundlagen (D) 5	Fertigungsmess- und Prüftechnik (D) 5	Automatisierungstechnik Grundlagen (D) 5	Selection module 3 5	Selection module 4 5	30	
7	Bachelorthesis with seminary (international*) 5			Selection courses 5		Key competencies 5	30	

■ courses taught in English language

■ courses taught in German language

■ course taught bilingually

■ language depending on individual selection

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2	Analysis 2 5	Technical Drawing and CAD 5	Statics and Mechanics of Materials 5	Materials Science 5	Product Engineering with Polymer Materials 5	Electrical engineering 2 5	30	
3	Practical training and skill development project engineering at cooperating companies						30	30
4	Practical training and skill development project engineering at cooperating companies and penang skills development centre (PSDC) Application of Industry 15			Automation an IoT 10		Programming in Digital Production 5	30	
5	Thermodynamics and fluid dynamics 5	EE2; English and Economy 5	Advanced Production Technologies 5	Project and Business Management 5	Project with Seminary 5	Systems Engineering 5	30	
6	Kinematics and Kinetics 5	Deutsch als Fremdsprache Level B2 5	Digital production and Industry 4.0 5	Six Sigma and Quantitative methods 5	Selection module 1 5	Selection module2 5	30	
7	Bachelorthesis with seminary (Companies/PSDC) 15			Selection courses (Com/PSDC/RWU) 10		Key competencies (Com/PSDC/RWU) Competencies 5	30	

■ courses taught in English language

■ courses taught in German language