

Regular Model

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

*) in Germany for international students; in non-German speaking countries for German students

	courses taught in English language
	course taught in bilingually German/English
	course taught in German language
	language depending on individual selection

Model M

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

	in Germany at Ravensburg-Weingarten University (RWU)
	in Malaysia at penang skills development centre (PSDC) and/or cooperating companies