


Materials Engineering – Start in English while you learn German!


SoSe = Summer Semester


WiSe = Winter Semester


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 SoSe	Mathematics 1.1				Applied Informatics				Engineering Mechanics 1: Statics				Materials Engineering 1				German B1.1				German B1.2									
2 WiSe	Mathematics 1.2				Physics 1				Technical Drawing and CAD				Basic Chemistry				German B2.1				German B2.2									
3 SoSe	Mathematics 2				Basic Electrical Engineering				Engineering Mechanics 2: Mechanics of Materials				Materials Engineering 2				Technical German 1				Technical German 2									
4 WiSe	Produktdesign (Product Design)				Thermodynamik (Thermodynamics)				Metallwerkstoffe (Metals and Alloys)				Polymere Werkstoffe (Plastics)				Maschinenelemente (Mechanical Systems)				Werkstoffprüfung (Material Testing)									
5 SoSe	Faserverbundwerkstoffe (Composite Materials)				Verarbeitungsverfahren (Material Processing)				Additive Fertigung (Additive Manufacturing)				Messtechnik und Analytik (Measurement and Analysis)				Projektarbeit (Design Project)				Technical Elective									
6 WiSe	Internship / Semester Abroad																								Internship Seminars					
	Technical Elective				Technical Elective				Technical Elective				Internship																	
7 SoSe	Glas und Keramik (Glass and Ceramics)				Holzwerkstoffe (Wood)				Berechnung und Simulation (Simulation and Modeling)				Qualitätsmanagement und Statistik (Statistics and Quality)				Technical Elective				Technical Elective									
																	Internship													
8 WiSe	Ökobilanzierung (Life Cycle Assessment)				Ressourcenschonung und Kreislaufwirtschaft (Conservation and Recycling)				Technical Elective				Technical Elective				Bachelor's Thesis													
	Total 210 CP																													

 Option with semester-long internship or semester abroad

 Option without extended internship

 German as a foreign language

 Courses taught in English

- Course titles are listed in the language of instruction. For courses taught in German, the English title is given in brackets.
- **German as foreign language courses** do not count toward the 210 CPs required for this degree. However, passing these six courses is sufficient to meet the B2 German requirement to begin the 4th semester.
- The list of courses which can be selected as **technical electives** (known as FWPMs in German) for this degree programme is available online.