

# Module Overview B.Sc. B.Sc. Wirtschaftsingenieurwesen - technische Fachrichtung Materialwissenschaft - 7 Semesters

Degree Programme Guidelines as per 01.10.2022, Version 01.06.2024 (SB2024II)

The degree programme consists of 120 Credit Points (CP) in total:

Mathematics:	20 CP	<span style="color: red;">■</span>
Law and Economics (Mandatory Subject Area):	67 CP	<span style="color: blue;">■</span>
Materials Sciences (Mandatory and Elective Subject Area):	72 CP	<span style="color: green;">■</span>
- including Lab Practicals:	8 CP	<span style="color: yellow;">■</span>
Electives Law and Economics and Interdisciplinary Compulsory Elective Area:	9 CP	<span style="color: purple;">■</span>
Bachelor's Thesis:	12 CP	<span style="color: orange;">■</span>

**Language of Tuition:**  
**GERMAN**  
*Certificates required*



This leads to the following possible part-time semester course schedule:

Full-time				Part-time		
1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	7. Semester
Mathematics I (8 CP)	Mathematics II (8 CP)	Mathematics III (4 CP)	Cost and Performance Accounting (4 CP)	Investment and Financing (4 CP)	Empirical Economic Research (4 CP)	Operations Research (4 CP)
Bookkeeping and Accounting (5 CP)	Management of Value Networks (4 CP)	Statistics for Economics (4 CP)	Production and Supply Chain Management (4 P)	Macroeconomics (5 CP)		German and International Corporate Law (4 CP)
Contract Law (5 CP)		Microeconomics (5 CP)	Marketing (4 CP)	Specific catalogue or Studium Generale (3 - 6 CP)	Bachelor's Thesis (12 CP) <i>(optionally at the Faculty of Law and Economics or Mechanical and Process Engineering)</i>	
	Fundamentals of Software Development and Management (5 CP)	Specific catalogue or Studium Generale (3 - 6 CP)	Seminar for Bachelors (6 CP)			
General Chemistry (5 CP)	Thermodynamics of Solid State Bodies (5 CP)	Real Crystals and their Properties (5 CP)	Mechanical Properties (6 CP)	Concepts in Materials Physics (6 CP)	Circular Materials (5 CP)	
Fundamentals of Materials Sciences (6 CP)	Physics (for Business Administration - Materials Scientists) (6 CP)	Characterisation Methods in Materials Science (3 CP)	Sustainability in Materials Production and Engineering (5 CP)	Seminar Materials Science (for Business Administration - Materials Scientists) (2 CP)	Structural Materials (6 CP)	
		Basic Lab Materials Science I (4 CP)	Basic Lab Materials Science II (4 CP)		Elective Area (3 CP)	
		Elective Area (3 CP)				
Ø 30 CP	Ø 30 CP	Ø 30 CP	Ø 30 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP