Module overview B.Sc. Materialwissenschaft - 9 Semester

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

Degree Programme Guidelines as per 01.06.2024, Version: 01.06.2024 (SB2023VI)

The degree programme consists of 180 Credit Points (CP) in total: TECHNISCHE Language of Tuition: UNIVERSITÄT **GERMAN** Elective Subject Area: 22 CP Mandatory Subject Area: 137 CP DARMSTADT - including Lab Practical: 18 CP Certificates required **Bachelor Thesis:** 15 CP **Interdisciplinary Elective area:** 6 CP

2. Semester 3. Semester 4. Semester 5. Semester 9. Semester 1. Semester 6. Semester 7. Semester 8. Semester Sustainable Technical Thermodynamics **Crystal Dynamics Real Crystals and** Fundamentals of Material **Mechanics** for Circular Mechanical of Solid State and Electronic Materials Science their Properties Production and Materials Materials* **Properties Bodies** Structure (6 CP) (5 CP) Processing **Scientists** (5 CP) (6 CP) (5 CP) (5 CP) (5 CP) (6 CP) **Study Project and** Characterization **Functional** Mathematics for Mathematics for **Diffusion in Solid** Physical Structural **Bachelor Thesis** Methods of Scientific **Properties of** Chemistry I **Civil Engineers I Civil Engineers II State Bodies Materials** (15 CP) Condensed Matter **Material Science Presentations*** (8 CP) (8 CP) (6 CP) (5 CP) (6 CP) (6 CP) (6 CP) (5 CP) **Physics I for Physics II for** Numerical Mathematics for **Materials** Materials **Basic Lab I General Chemistry** methods in Advanced Lab II **Civil Engineers III Scientists Scientists** (5 CP) materials science (3 CP) (3 CP) (8 CP) (5 CP) (5 CP) (3 CP) **Physics Lab for Basic Lab Materials Science Materials Science Basic Lab II** Advanced Lab I **Technical-Science Elective Subjects Materials Science** Programming **Elective Subjects Elective Subjects** (3 CP) (3 CP) (10 CP) (3 CP) (3 CP) (6 CP) (6 CP) General Education ** (6 CP) Ø 20 CP Ø 20 CP

* Bilingual module (German and English)

** Modules on application to the study office; catalog with already approved modules on the website of the FB