

Energy and Materials Physics (B.Sc.)

The Bachelor's degree program in energy and materials physics provides understanding in physics, chemistry and material properties, thus creating the basis for a material-physical training involving energy-related course content such as solar energy conversion and functional materials for energy conversion and energy storage. In addition, it provides insights into energy resources and energy technologies and qualifies graduates for further education in the master's degree programs of materials science and energy technology and especially energy and materials physics.

Curriculum

- Fundamentals in classical physics, atom- and solid state physics, chemistry, mathematics and materials science
- Fossil and regenerative energy resources
- Functional materials: batteries, fuel cells, sensors
- Solar energy conversion
- Chemistry of energy functional materials
- Solid state analytics and measurement techniques
- Courses on social competence, scientific working and economics
- Industry internship
- 3 months bachelor's thesis

Academic Advisor

Prof. Dr. W. Daum

Phone: +49 (0)5323 72-2144

E-mail: winfried.daum@tu-clausthal.de

Language of instruction:

German