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Materials science, materials engineering, mechanical engineering, physics, chemistry

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Components made of functional materials play a decisive role in many top-selling Bosch products and systems. The tasks of our department can be summarized by „innovation through functional materials“. They range from application-oriented development of new materials to the production of prototypes in order to verify function and reliability. To support our research activities, our department is looking for highly motivated interns, bachelor and master students. You will join a team of experienced researchers working in materials development as well as related process technologies. Utilize your scientific knowledge and design the materials of the future together with us. In this thesis properties of magnetic materials will be evaluated. Such materials can be found in a variety of applications today, especially in the field of electrical drives.

Working fields: The focus of this thesis is on the properties of magnetic materials under different conditions. The main tasks include:

- Handling of magnetic materials in a lab.
- Chemical, magnetic and structural characterisation of these materials
- Scientific presentation and documentation of the achieved results

Your competencies and qualifications: • You are studying materials science, material engineering, mechanical engineering, physics or chemistry • You work in a structured, independent and aim-oriented manner • You enjoy to perform experimental work and can integrate yourself into a team • You show initiative and display a sense of responsibility

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