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**Faculty of Natural Sciences**
**Chemistry**

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**ERASMUS/EXCHANGE**
**Student Services**
by the International Office

- Accommodation Reservation
- Free German Language Courses
- Arrival Assistance by S.T.E.P.S. (Student Tutors for Exchange Program Students)
- Orientation Weeks
- Films, Excursions & more ....

**Websites**

**Ulm University:**
http://www.uni-ulm.de

**Faculty of Natural Sciences:**

**International Office:**
http://www.uni-ulm.de/io/exchange.html

**STUDY ABROAD**
@ ULM UNIVERSITY

**CHEMISTRY**
CHEMISTRY AND MANAGEMENT
ENERGY SCIENCE AND TECHNOLOGY
The Bachelor and Master programs in Chemistry are both practice-oriented and research-oriented. They are aimed at students with an interest in experimental activities. The core courses include inorganic, physical and organic chemistry. Other subjects are analytical, macromolecular and theoretical chemistry as well as energy technology. Theory and practice form a varied and extensive study program. Physics and mathematics complete the compulsory program, and additional courses in toxicology, legal studies, foreign languages and presentation techniques are offered.

The Bachelor and Master programs in Chemistry and Management are aimed at science-oriented students who also have an interest in economy and business and who do not plan to pursue a career in scientific research. To a large extent, chemistry courses are identical to the programs in chemistry. But there is also a broad training in economics, computer sciences, civil law and patent law.

Based on a broad education in traditional energy technology and related areas in chemistry, materials science, and electrical engineering, the Master program in EST focuses on non-Carnot processes for energy conversion, in particular on electrochemical energy conversion (fuel cells), and on electrochemical energy storage (batteries). It should enable the graduates to solve energy related scientific and engineering problems by applying methods from natural sciences and engineering, and provide the necessary knowledge and background required for a professional career in research, development and industrial application, in particular in electrochemical energy technology.

Teaching language in the Bachelor programs is mainly German. Therefore, ERASMUS/EXCHANGE should have sufficient command of German to follow courses (minimum: B1). The International Office organizes intensive German language courses prior to the start of each semester (September/October and March/April) in addition to German courses during the semester. Participation in these courses is open to all ERASMUS/EXCHANGE students free of charge.

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On the river Danube
A town where medical traditions meet high-tech industry
Birthplace of Albert Einstein (*1879)
Ulm Cathedral with the world’s highest church steeple

Conveniently located between Stuttgart and Munich
Best train connections to main European cities
Nearby airports in Munich, Stuttgart, Friedrichshafen and Memmingen

Ulm Cathedral with the world’s highest church steeple

The City of Ulm

Inorganic Material Synthesis / Nanomaterials
Catalysis: Fundamental Aspects and Common Principles
Analytical Spectroscopy
Special Topics in Analytical Chemistry I-V:
I: Miniaturization
II: Advanced Electroanalytics
III: Emerging Areas
IV: Scanning Probe Microscopy
V: Ultra Trace Analysis
Lithium Ion Batteries
Hydrogen as Energy Carrier
Polymeric Materials
Colloid Chemistry
Introduction to Quantum Chemistry
Surfaces-Interfaces – Heterogeneous Catalysis
Energy Science and Technology III

* Selection from course offers in 2013 - subject to annual changes.