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....

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Faculty of Engineering and Computer Science:
http://www.uni-ulm.de/in/fakultaet.html

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

The Department offers lectures in different fields of computer science, including practical, theoretical and technical areas. Through practical exercises and independent projects, students acquire a broad foundation of computer science subjects, such as algorithms and data structures, software engineering, information systems, computer graphics, networks, embedded systems, artificial intelligence and IT security.

Media Informatics

The lectures in Media Informatics focus on interactive multimedia computer systems and have a strong practical orientation; an extensive range of applied elective subjects includes designing interactive systems, video, visualization and computer graphics, computer vision, and human computer interaction. Courses often employ forms of project-oriented teaching and learning with strong application relevance.

Software Engineering

Software engineering is a specialisation of computer science, primarily focusing on the systematic construction of large-scale software-intensive systems. It concerns all aspects of conceptualising and realising new, large-scale software systems, as well as restructuring and reusing existing software. This includes methodological aids such as processes, models, tools and principles of systematic development of software systems, solid knowledge of quality control and relevant knowledge and experience in the area of project management.

More than 1,000 international students are enrolled at Ulm University. They profit from the University’s location (Science Park) in a high-tech region of Germany with many world-class companies (e.g. Daimler, Airbus, BMW CarIT, e.solutions, Continental, ...).

Language

Teaching language in the bachelor’s programs in Computer Science is German. Exchange Students should have sufficient command of German. Many Master lectures are offered in English.

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.

Lectures

Students attend courses in

- **Practical Computer Science**
  - programming methodology, software engineering, databases and information systems, programming paradigms
- **Computer Engineering**
  - computer architecture, operating systems, computer networks, IT security
- **Theoretical Computer Science**
  - formal languages, logic, computability theory, complexity theory, algorithms und data structure
- **Mathematics**
  - analysis, linear algebra, applied numerics, applied stochastics, combinatorics, cryptography
- **Media Informatics**
  - computer graphics, digital media, human computer interaction, media psychology and education
- **Computational Intelligence**
  - neural information processing, artificial intelligence, cognitive systems, automated planning

The City of Ulm:

- On the river Danube
- A town where medieval 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

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