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ERASMUS/EXCHANGE
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STUDY ABROAD
@ ULM UNIVERSITY
Computational Science and Engineering (CSE)
Since 2011, Ulm University and the University of Applied Science of Ulm offer a joint Bachelor program in Computational Science and Engineering (CSE). Nowadays, computer simulations using mathematical modeling and simulation software have become an essential tool for studying scientific phenomena and engineering designs. Thus, CSE is a fast growing field of development and research.

CSE combines mathematics and computer sciences in a wide field of applications including engineering, natural sciences and medicine. Our program is characterized by a close connection of theory, practice and practical application in industry, especially in highly innovative small and medium-sized companies.

The three pillars of CSE (mathematics, computer science, engineering and natural sciences) are also the central issue for our upcoming Master program in CSE. The curriculum offers a wide range of optional courses, allowing for an individual choice of a focus within the main research areas such as numerical fluid dynamics, reactive flow computations, numerical biomechanics and others.

Teaching Language in the programs in Computational Science and Engineering is German. Students must have sufficient command of German (min. B1) in order to follow classes and take exams. The International Office organizes intensive German language courses prior to the start of each semester in addition to German courses during the semester. Participation in these courses is open to all ERASMUS/EXCHANGE students free of charge.

Our concept of CSE is based on a unique cooperation between Ulm University, the University of Applied Science of Ulm and Ulm’s Chamber of Commerce and Industry. The development of the program is sponsored by the “Volkswagen Foundation” and the “Stiftung Mercator” as a price winning concept within the German-wide initiative „Bologna – The Future of Teaching“.

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