

For further questions, contact the Dean of Studies of the Faculty of Computer Science:

Prof. Dr. Maximilian Eibl
eibl@cs.tu-chemnitz.de



POSTAL ADDRESS:

Chemnitz University of Technology
Faculty of Computer Science
D-09107 Chemnitz
Germany

TELEPHONE:

+49 (0)371-531-25000

TELEFAX:

+49 (0)371-531-25009

E-MAIL:

dekanat@cs.tu-chemnitz.de

OFFICE ADDRESS:

Straße der Nationen 62
Room 1/226c
D-09111 Chemnitz
Germany



Faculty of Computer Science Master Program



CHEMNITZ UNIVERSITY
OF TECHNOLOGY

THE MASTER PROGRAM OF THE FACULTY OF COMPUTER SCIENCE

The master program, starting with the winter term 2008/2009, is composed of six master courses. It reflects all issues of computer science ranging from highly theoretical to interdisciplinary aspects. As illustrated below these six master courses are arranged in three major groups concerning the education in classical computer science, in the faculty's fields of research, and in interdisciplinary fields. The master program is completed by a corresponding bachelor program offering bachelors in computer science (Bachelor Informatik) and applied computer science (Bachelor Angewandte Informatik).

Bachelor of
Computer Science

Bachelor of
Applied
Computer Science

The master program of the Faculty of Computer Science is open to all graduates of bachelor courses in computer sciences and related fields, except for the master Computer Science for Journalists which is open to graduates of bachelor courses in the humanities. All master courses take four terms and include a huge variety of classes to choose from. Selected lectures are given in English. The master thesis can be written in English. For further information contact the faculty's homepage: <http://www.tu-chemnitz.de/cs>

Master of Computer Science (MIF)
Master of Data & Web Engineering (DWE)

Master of Parallel Distributed System (PVS)
Master of Automotive Software Engineering (ASE)
Master of Intelligent Media and Virtual Reality (IMV)

Master of Computer Science for Journalists (Ifj)

CLASSICAL COMPUTER SCIENCE

The master course COMPUTER SCIENCE (INFORMATIK) is theoretically oriented and reflects the issues of classical computer science studies world wide. A likewise classical computer science course but less theoretical in favor of the modern demands of the World Wide Web is the master course DATA & WEB ENGINEERING which focuses on all aspects of data management as well as the development of distributed solutions in the World Wide Web.

PRINCIPAL FIELDS OF RESEARCH

Three master courses reflect the faculty's principal fields of research which are described in the box below. Corresponding to the research field PVS the master course PARALLEL DISTRIBUTED SYSTEMS (PARALLELE UND VERTEILTE SYSTEME) teaches the principals of parallel and multi-core programming as well as high performance computing. The master AUTOMOTIVE SOFTWARE ENGINEERING relates to the research field ESS and focuses on the needs of automotive systems when realizing for example car-to-car-communication. The master INTELLIGENT MEDIA AND VIRTUAL REALITY (INTELLIGENTE MEDIEN UND VIRTUELLE REALITÄT), which corresponds to the research field IMS, is concerned with the use of artificial intelligence in virtual environments and audiovisual media.

INTERDISCIPLINARY MASTER

Finally the Faculty of Computer Science offers new possibilities for graduates of other disciplines. A first course is the master course COMPUTER SCIENCE FOR JOURNALISTS (INFORMATIK FÜR JOURNALISTEN), which provides an intense training in computer science to graduates from the humanities.



STUDYING AT THE FACULTY OF COMPUTER SCIENCE

The Faculty of Computer Science incorporates 14 professors and educates more than 600 students. The curriculum is oriented towards main issues of scientific research and industrial development. Students are specially trained in interdisciplinary research and development. To achieve a theoretical and practical

education the faculty cooperates with regional industrial partners as well as global players. The faculty's technical equipment is excellent including several computer pools, research labs, a VR-lab, a video conferencing lab, robots, broadcasting transmitters and three BMWs for research and teaching purposes.

RESEARCHING AT THE FACULTY OF COMPUTER SCIENCE

The principal research of the Faculty of Computer Science focuses on the fields of Parallel Distributed Systems (Parallele und Verteilte Systeme, PVS), Embedded Self-Organizing Systems (Eingebettete, Selbstorganisierende Systeme, ESS), and Intelligent Multimedia-Based Systems

(Intelligente Multimediale Systeme, IMS). Here, the faculty has acquired substantial project fundings by governmental and industrial parties, initiates and manages conferences and publishes in relevant journals.