INTERNATIONAL AFFAIRS: ISGS

International Master Programs
+ List of all study courses

Taught in English

www.uni-kl.de
> international
> master

TECHNISCHE UNIVERSITÄT KAIERSLAUTERN
INTERNATIONAL MASTER PROGRAMS
Technische Universität Kaiserslautern

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TUK is a research-oriented university. It offers high quality graduate education and (post)doctoral research training in innovative fields of economic relevance, many of them as international programs (English-taught), e.g. Financial Mathematics or Commercial Vehicle Technology.

TUK offers a favourable student-teacher ratio, guaranteeing excellent supervision, support and a fast track towards employability. The university’s concept of quality in postgraduate studies entails offering integrated work experience, an early introduction to academic networks and abundant opportunities for an independent student income.

A special feature of our graduate education is the intensive collaboration with national and international industries, many of them (e.g. BASF, Daimler) situated close to Kaiserslautern. Students profit from these networks by an instruction that is strongly linked to current tasks of the global market, participation in industry research projects (e.g. in Master thesis or internship) and the possibility of student assistant jobs at the departments.

Our twelve departments attract students worldwide: Over 20 percent of our students are international students from more than 100 countries. More than 40 percent of the students on campus are postgraduate and doctoral students. This underscores the university’s emphasis on master studies and doctoral training as well as on research.

TUK has an inviting modern campus (~36 football fields). Situated in the heart of Europe (only 1 hour away from Frankfurt Airport and 2 hours from Paris), Kaiserslautern is home to a broad range of science and research industries. The city and university offer a safe and welcoming place to stay for international students who can benefit from affordable living costs and no tuition fees.

OUR DEPARTMENTS
- Architecture
- Biology
- Business Studies & Economics
- Chemistry
- Civil Engineering
- Computer Science
- Electrical & Computer Engineering
- Mathematics
- Mechanical & Process Engineering
- Physics
- Spatial & Environmental Planning
- Social Sciences

2020 SNAPSHOT
- 13,530 Students Enrolled
- 3,036 International Students
- 12 Departments
- 110 Study Courses (bachelor, master, diploma & PhD programs)
- 17 (41) International Graduate Programs (Specializations)
- 214 Professorships
- 1,467 Scientific & Academic Staff (approx.)
- € 202,4 Mio. Budget (~ 70 % state financed) (2019)
- € 73,4 Mio. external third-party-funds (2019)

ACADEMIC YEAR
- Start winter term: October 1
- Start summer term: April 1

www.uni-kl.de
The Research Environment
TUK is embedded in an excellent research environment: it is the nucleus of the Science & Innovation Alliance Kaiserslautern, a consortium of high-profile science institutions on and nearby campus. The Science & Innovation Alliance Kaiserslautern forms a highly specialized multidisciplinary network. It provides scientists and cooperation partners from industry, economy, and administration with innovative solutions based on the newest technologies and methods available. Scientists and students interact intensively within this rich institutional network.

Kaiserlautern - proud history and bright future
Even emperor Friedrich I. Barbarossa was convinced of the advantages of the Kaiserslautern region when he chose this location to build his imperial palace in the 12th century. Based on these historical roots, the city has developed into an industrial region in the 1960s and has now transformed into a modern, cosmopolitan cluster of science and technology in a prime location for national and international companies.

The topographic convergence of technology and nature makes the city both a vibrant urban center and a natural oasis. Blessed with favorable surroundings, getting in touch with nature is particularly easy in Kaiserslautern, where Germany’s largest interlinked woodlands are right at your doorstep.

There is no such thing as being a foreigner - Kaiserslautern is home to people from over 140 nations, contributing to a diverse and vibrant city life. As a global village, Kaiserslautern cultivates friendly relationships with numerous cities from European countries as well as bonds overseas to the USA and Japan. Most of the 100,000 inhabitants speak English, making it easy to feel at home. The Kaiserslautern region offers superb public transportation. Fast intercity connections from the ICE train station in Kaiserslautern (trains run hourly every day) offer quick and comfortable connections to Europe’s major cities, airports, and business centers.

- German Research Center for Artificial Intelligence (DFKI) Inc. www.dfk.de
- Institute for Biotechnology and Drug Research (IBWF) e.V. www.ibwf.de
- Fraunhofer Institute for Experimental Software Engineering (IESE) www.iese.fraunhofer.de
- Fraunhofer Institute for Industrial Mathematics (ITWM) www.itwm.fraunhofer.de
- Fraunhofer Institute for Physical Measurement Techniques www.ifos.uni-kl.de
- Research Institute for Technology and Work (ITA) e.V. www.ita-kl.de
- Institute for Composite Materials (IVW) GmbH www.ivw.uni-kl.de
- Max Planck Institute for Software Systems (MPI SWS) www.mpi-sws.org
- University of Applied Sciences - Hochschule Kaiserslautern www.hs-kl.de
and more on: www.science-alliance.de
Before Your Arrival...
Effective pre-departure communication helps you to regulate application, visa, residence permit, and housing affairs. The ISGS supplies any information and assistance needed to manage the application procedure and arrange accommodation. They also provide individual support in completing any documents for and after arrival (service limited to arrival phase).

Once You are Here...
The ISGS’ activities for international (post)graduates comprise a broad range of highly professionalized orientation services for incoming European and third-country students and scholars. One major task of the ISGS team is to help you settle into and become part of the university’s vibrant community. The welcome-service includes pick-up from the train station and drop-off at your apartment as well as support with first shopping and highly individualized support in administrative and organizational issues.

Mentoring Your Studies and Research...
During studies or research, ISGS offers a variety of cultural and social events to welcome you into the ISGS family as an international guest. Further, the ISGS offers extra-curricular activities enhancing your professional skills with workshops in academic culture, German as a Language of Science, or Intercultural Communication; they are supplementary, free, and may be taken during or at the end of your studies and research. These offers are highly recommended for your personal development.

Jumpstart Your Career...
The ISGS offers professional development training on teamwork and leadership, time management, and cross cultural training as well as specific language training with regard to job applications. We also cooperate with renowned partners from science and industry within our Career-Services. By setting up meetings, visits to factories, company headquarters, public authorities, and research institutes, we will help you to launch your career.

Time to Say Goodbye...
Similar to the warm welcome received, the students are guided through the final period of their studies or research. Finally, the ISGS says goodbye personally and gives a fond farewell at the annual university-wide international graduation ceremony. You can keep in touch through the alumni channels, mailing lists, or social media networking.

CONTACT
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Gottlieb-Daimler-Str. 47, 67663 Kaiserslautern, Germany
Phone: +49 631 205 4998
E-mail: info@isgs.uni-kl.de  Web: www.uni-kl.de/international

GERMAN LANGUAGE
Orientation Course: A prelude to (German) communication, (academic) culture & daily life
As a warm-up, ISGS offers the orientation course (O.K.) prior to the start of the studies (6-8 weeks). It includes an intensive German language training designed for the needs of graduates, administrative support as well as cultural and social events, thus enhancing orientation on campus, in Kaiserslautern, and in the student community. Once having established a foothold, you will have a clear mind for efficient studies!

ISGS is not just services, its family for me! ISGS seminars and discussions with experts are informative and helpful for me. And the ISGS tours and parties never let me feel that I am alone or away from home.
Master of Science Biology

Degree awarded: Master of Science (M.Sc.)
Duration: 4 semesters (2 years)
Credit points: 120 ECTS-Credits
Admission requirements & process: via ISGS, see page 20
Application deadline: April 30 and October 31
Online Application via: https://applymsc.bio.uni-kl.de/

Fees: No tuition fees (state-financed)

Application oriented research and state-of-the-art lab equipment contribute to a profound education in fundamental theories as well as in practical research.

Kaiserslautern’s personalized teaching philosophy manifests itself in a low student-teacher ratio and modern educational concepts contribute to a successful graduation.

In the courses of each choice, biological and other scientific directions are studied, and soft skill competencies (e.g., foreign languages, team working and professional skills, presentation techniques, etc.) are improved.

Career Opportunities:

The degree holders are capable to perform scientific work independently, and to apply their knowledge in different contexts. They can work professionally as biologists and ecologists in academic or other institutions as well as in the private sector. Graduates may also take over responsibilities in environmental protection and auditing, in landscape management, or in the field of scientific and environmental journalism, as well as in support, marketing and sale departments of pharmaceutical and biotechnology companies.

www.bio.uni-kl.de/studium-lehre/studiengaenge/master-biology/
1 Embedded Computing Systems (ESY) (M. Sc.)

You want to take part in shaping the digitalized world of tomorrow? Then, ESY is the field you need to be in! We offer hands-on practical education in embedded systems design and provide you with the scientific foundations of this field. Students seeking a strong educational basis for their industrial career as well as students with scientific ambitions will find this program to meet their expectations. We welcome applications from graduates in Electrical Engineering, Computer Science and Mathematics as well as related disciplines.

More information: https://esy.eit.uni-kl.de

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2 Automation and Control (A&C) (M. Sc.)

A&C deals with steering and controlling of complex systems such as production lines, distributed grids, or on-chip / on-board architectures. Safety and security are two fundamental design paradigms for this discipline. During your master studies, you will gain deep knowledge in the areas of control theory, modeling and identification, development of safe and secure systems, and mechatronic systems. Also for A&C you can select from a wide range of elective courses.

More information: https://www.eit.uni-kl.de/en/mplus/

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3 European Masters in Embedded Computing Systems (EMECS)

TUK is the coordinator of the Erasmus+ Program „European Masters in Embedded Computing Systems (EMECS)“. EMECS is a two years Master’s course (120 ECTS credits) that is pursued at two or more of the participating institutions - the Technische Universität Kaiserslautern, Germany, the Norwegian University of Science and Technology, Norway, the University of Southampton, UK and the Politecnico di Torino, Italy. Students spend study periods of six months or longer at the selected universities and upon successful completion receive a joint degree from all universities of the consortium. The program is designed to educate Bachelor graduates from Electrical & Computer Engineering and Computer Science as well as graduates from related disciplines to become experts in the field of Embedded Computing Systems.

More information: https://emecs.eit.uni-kl.de/admission/apply-now

Financial Support
EMECS scholarships are available www.emecs.eu
Master in Computer Science (M.Sc.)

Students of the program “Computer Science” will be able to develop complex computer science systems as well as follow research in their selected specialization fields. After the exams are successfully completed, they will be qualified for professional work in industry and for the PhD program of the department. All programs are taught by professors of the Computer Science Department as well as by leading scientists of the allied research institutes Fraunhofer IESE, DFKI, and MPI-SWS.

The program provides in-depth training in the fundamentals of computer science and the related analysis techniques. Students will be able to develop complex computer science systems as well as follow research in their selected specialization field. The program focuses on the following research fields:

### SPECIALIZATIONS
- Algorithmics and Deduction
- Distributed and Networked Systems
- Embedded Systems and Robotics
- Software Engineering
- Visualization and Scientific Computing
- Information Systems
- Intelligent Systems

Degree awarded: Master of Science (M.Sc.)
Duration: 4 semesters (2 years)
Credit points: 120 ECTS-Credits
Admission process: via ISGS, see page 20
Application process: Only online application via: [https://applymsc.informatik.uni-kl.de/](https://applymsc.informatik.uni-kl.de/)
Application Deadline: April 30 & October 31
Fees: No tuition fees (state-financed)

www.cs.uni-kl.de/en/studium/studiengaenge/bm-inf

Master of Advanced Quantum Physics (M.Sc.)

Quantum physics is at the heart of today’s technology. Ever smaller devices scratching the size limits of single atoms will increase the importance of quantum physics for technological applications. In this Master program you will gain theoretical understanding and experimental expertise in state-of-the-art quantum physics with emphasis on atomic, molecular and optical physics. The physics department is deeply involved into cutting edge research in this field. You will benefit from a close contact between students and researchers together with award-winning teaching expertise.

Knowledge & competences gained:
- Theoretical foundations & experimental techniques of nonlinear & quantum optics
- Physics & experimental tools of ultra-cold quantum gases
- Key elements of quantum technology
- Theoretical tools in advanced quantum mechanics
- Many-body quantum phenomena & their theoretical description
- Basic elements of quantum information processing

### MODULES
- Quantum technology (QT)
- Many-body quantum systems (MB)
- Science electives (SE)
- General electives (GE)
- Lab course (LC)
- Research module (RM)
- Master’s thesis (MT)

Degree awarded: Master of Science (M.Sc.)
Duration: 4 semesters (2 years)
Credit Points: 120 ECTS-Credits
Application process: Online application via: [https://apply.physik.uni-kl.de](https://apply.physik.uni-kl.de)
Application Deadline: April 30 & October 31
Fee: No tuition fees (state-financed)

www.physik.uni-kl.de/quantum-master
The master programs in mathematics are very flexible. The students choose the lectures together with their tutors according to their interests.

**Degree awarded**  
Master of Science (M.Sc.)

**Duration**  
4 semesters (2 years)

**Credit Points**  
120 ECTS- Credits

**Application**  
Graduate School directly  
(For documents see page 20)

**Application Deadline**  
April 30 and October 31

1 **M.Sc. Mathematics International**

The program is offered to international and German students with interest in a broad and deep education in mathematics. Besides the selected mathematical specialization, students choose courses in applied and pure mathematics. All mathematical specializations offered at TUK.

2 **M.Sc. Technomathematics**

The program focuses on the application of mathematical models, e.g., differential and integral equations or optimization of technical processes in industry. Profound pre-knowledge in engineering and computer science are mandatory for admission.

3 **M.Sc. Mathematics**

The program focuses on applied and pure mathematics. It is accompanied by a non-mathematical minor and requires for admission the relevant pre-knowledge. All mathematical specializations offered at TUK.

4 **M.Sc. Economathematics**

The program comprises stochastics, financial mathematics, statistics, or optimization. Profound pre-knowledge in economics and computer science are mandatory for admission.

5 **M.Sc. Actuarial and Financial Mathematics**

The study programme focuses on financial mathematics, actuarial sciences, statistics, computational methods, and economics. The lectures are accompanied by seminars, reading courses and project seminars.
Master in Commercial Vehicle Technology

Degree awarded: Master of Science, M.Sc.
Duration: 4 semester (2 years)
Credit Points (cp): 120 ECTS
Course Language: English & German
Application & Requirements: www.uni-kl.de/en/cvt/zg/applicants/
Application Deadline: April 30
Fees: No program fee (state-financed)

This interdisciplinary master program is open to qualified graduates with a master degree (or equivalent) or bachelor degree (or equivalent) in mechanical, electrical or computer engineering or related fields and with the German language proficiency level A2 certified by Goethe Institut (or equivalent).

The program implies:
- Compulsory engineering modules: basic knowledge in all of the three engineering disciplines (mechanical, electrical, and computer engineering) plus deeper knowledge by elective lectures in these fields.
- Social science and soft skills courses.
- Cooperative research activities in cooperation with industrial partners such as Daimler, John Deere and Terex-Demag or research institutes like the Fraunhofer Institute for Experimental Software Engineering (IESE) and the Institute for Composite Materials (IVW).
- Orientation Course for international students.

Orientation Course Fee (single payment): 750 EUR
Including German Language Course units, social, cultural & administrative components (mandatory for international students, see page 22)

https://www.uni-kl.de/en/cvt/zg/applicants/

Master in Cognitive Science (M.Sc.)

Degree awarded: Master of Science (M.Sc.)
Duration: 4 semesters (2 years)
Credit Points: 120 ECTS
Course Language: English (with some optional courses in German)
Admission requirements & process: https://applymsc.sowi.uni-kl.de/
Application Deadlines:
- April 30 (for students who need VISA)
- July 15 (if no VISA is required)
- Aug. 30 (Germans, Bildungsinländer)
Fees: No tuition fees (state-financed)

The student will gain an understanding of how perceptual and cognitive processes function and interact in humans, technology, economics, organization, communication, and behavior.

Central Disciplines
- Psychology
- Computer Science
- Biology
- Linguistics
- Philosophy

Research Fields
- Perception
- Cognition and Knowledge
- Language and Linguistics
- Cognitive Neuroscience
- Computation

https://www.sowi.uni-kl.de/en/study/cognitive-science/
1. **Distance Master Software Engineering for Embedded Systems**

- **Degree awarded**: Master of Engineering (M.Eng.)
- **Duration**: 4 semesters (2 years)
- **Credit Points**: 60 ECTS-Credits
- **Admission requirements & process**: www.zfuw.uni-kl.de/en
- **Application deadline**: July 15

**Target Group**: Graduates in engineering (electrical, mechanical, industrial), IT (computer science, business informatics), mathematics, physics

**Contents include**: requirements engineering, software product lines, and component-based development etc.

**Fee**: €1,990 per semester plus a social contribution of currently €102 per semester. The one-off fee for the Master's thesis is €500.

2. **Distance Master Blended Learning of Evaluation (MABLE)**

- **Degree awarded**: Master of Arts (M.A.)
- **Duration**: 4 semesters (2 years)
- **Credit Points**: 60 ECTS-Credits
- **Admission requirements & process**: www.zfuw.uni-kl.de/management-law/master-blended-learning-evaluation-mable
- **Application deadline**: July 15

**Target Group**: Professionals and executives in the area of evaluation in organisations, administration, ministries; self-employed consultants

**Contents include**: Introduction to evaluation, conducting & managing evaluations, data collection & data analysis methods, Evaluation Design, Economic evaluation and M&E in organisations etc.

**Fee**: €1,500 per semester plus a social contribution of currently €108.

3. **Distance Master Financial Engineering**

- **Degree awarded**: Master of Science (M.Sc.)
- **Duration**: 6 semesters (3 years)
- **Credit Points**: 90 ECTS-Credits
- **Admission requirements & process**: www.zfuw.uni-kl.de/en
- **Application deadline**: July 15

**Target Group**: Graduates of mathematics programs or other programs with a significant mathematics component.

**Contents include**: Risk and Statistical Modeling, Computational Methods in Finance, Interest Rate Models, Financial Decision Making etc.

**Fee**: €1,990, per semester plus a social contribution of currently €102 per semester. The one-off fee for the Master’s thesis is €500.

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**FOR AN INTERNATIONAL MASTER PROGRAM (TAUGHT IN ENGLISH)**

**Proof of English Proficiency:**

TOEFL 550 paper based, 213 computer-based, 80 internet-based; IELTS 6.0 or equivalent (EMECS-Program: TOEFL 600/250/95; IELTS 6.5 or equivalent)

**Proof of German Proficiency:**

if existing (mandatory for CVT program: Level A2).

- Please check details on the specific program website, since regulations might change:
  - www.uni-kl.de/international/master/prospective-students/application-admission
  - info@isgs.uni-kl.de

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**FOR A BACHELOR OR MASTER PROGRAM (TAUGHT IN GERMAN)**

1. **German language skills required for your application**

You must verify level B-1 by one of the following documents:

- B-1 exam from Goethe-Institut or the TELC („ZD“ = „German Certificate“)

- Certificate from a language training center
  (not older than 1 year, clearly stating „successful completion of B-1 skill level“, and submitted with your application, not later)

2. **German language skills required for the study programs**

- You must pass a DSH exam with an overall result of DSH-2 or DSH-3

- Other possible certificates verifying this skill-level:
  German secondary school diploma, Graduation certificate in Germany ("aptitude test"); DSH diploma (registered at FaDaF) with a grade of DSH-2 or DSH-3, "Kleines deutsches Sprachdiplom" (basic) or "Großes deutsches Sprachdiplom" (advanced), Unicert III certificate, TestDaF certificate with at least TDN-4 in all sections

- For further language requirements we recommend to refer to each program website:
  - www.uni-kl.de/international/bachelor
  - studium@uni-kl.de
**Requirements for international master programs:**

- **Certificate**  
  Bachelor degree or equivalent

- **Language**  
  English language proficiency certificate

**APPLICATION DEADLINES**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Deadline</th>
<th>Start Orientation Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer semester</td>
<td>October 31</td>
<td>~ Aug. 15</td>
<td></td>
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<tr>
<td>Winter semester</td>
<td>April 30</td>
<td>~ March 1</td>
<td></td>
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</tbody>
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**DOCSUMENTS**

- Application form or online application (see ISGS website or respective program website)
- Detailed Curriculum Vitae
- Certified copies of your Bachelor Certificate and transcripts
- Certified translation (German or English) of your Bachelor Certificate and transcripts
- Short description of the subjects covered in previous studies
- Short letter of motivation
- Two letters of recommendation (for CVT only 1, cf. application form)
- Proof of English Proficiency (TOEFL 213 computer-based, 80 internet-based; IELTS 6.0 or equivalent)
- Proof of German Proficiency, if existing (mandatory for CVT program: Level A2, certified by a Goethe-Institute or equivalent)
- APS (for applicants of the People’s Republic of China and Vietnam only)

- This also applies for online applications (in pdf-version)!
- Additionally, we recommend to check the program pages!

Send your application and inquiries to (unless otherwise noted):

**Department of International Affairs: ISGS**
Gottlieb-Daimler-Str. 47, 67663 Kaiserslautern, Germany
Phone: +49 631 205 4998  Fax: +49 (0)631 205 3457
E-mail: info@isgs.uni-kl.de

[www.uni-kl.de/international/master/prospective-students/application-admission/](http://www.uni-kl.de/international/master/prospective-students/application-admission/)
Program fees

Program fees are covered by the state of Rhineland Palatinate, i.e. no program fees for international students. Exception:

- Distance learning Programs, see page 19
- European Master Programs:

  In the framework of the European Commission Erasmus Mundus Programs are financially supported and, thus, are able to offer scholarships to their students. This applies to the program M.Sc. in Embedded Computing Systems (EMECS), see page 11.

Social contribution fee  ~ € 240 per semester/€ 480 per year

This fee includes:

- Free bus & train transportation in the area around Kaiserslautern
- More than 50 free university sports courses, e.g. Cricket
- basic amount of free printouts
- social services of „Studierendenwerk“ -> meals at student prices

Assessment fee

To process your application, the university has to charge a fee of € 50 for the verification and acceptance of foreign qualifications and certificates in accordance with the Special Schedule of Fees of Rhineland-Palatinate. Exceptions:

- Exchange students, e.g., ERASMUS students
- Scholarship holders (DAAD)
- Foreign applicants with an intermediate diploma of a German university who wish to continue their studies in the same study course.

Language & Orientation Course (O.K.-Course):

\[ \text{€ 750 single payment} \]

- Strongly recommended and partly mandatory for international master students and PhD candidates.
- Includes intensive German language & integration class prior to studies (6-8 weeks)
- In this amount, the costs of 200 hours of German language training, the costs of books and other course material.

www.uni-kl.de/international/master/current-students/service-support/

INITIAL COSTS

Deposit .................................................................~ € 300-500
First rent ..............................................................~ € 250
First supermarket shopping ................................~ € 70
Kitchen utensils, blankets, pillow, etc. .....................~ € 250

Total start-up costs ~ € 1,200

MONTHLY COSTS

Accomodation .........................................................~ € 300
Health insurance ....................................................~ € 100
Food .................................................................~ € 250
Internet & phone .....................................................~ € 25
Other (clothes, leisure activities etc.).............................~ € 75

Monthly total costs ................................................~ € 750

Living costs

Kaiserslautern is one of Germany’s most affordable cities, providing high living standards at low costs. As everyone’s spending habits are different, it is not easy to predict exactly how much money you will need for your stay in Kaiserslautern. Including study related fees (except program fees) you will typically need € 10,200 a year to live comfortably.

LIVING COSTS

<table>
<thead>
<tr>
<th>Item</th>
<th>Price (€)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meal in refectory</td>
<td>~ 2,40</td>
</tr>
<tr>
<td>Bread (500 g)</td>
<td>~ 1,20</td>
</tr>
<tr>
<td>Orange juice (1 liter)</td>
<td>~ 1,00</td>
</tr>
<tr>
<td>Rice (1kg)</td>
<td>~ 0,90</td>
</tr>
<tr>
<td>Pizza (Pizzeria)</td>
<td>~ 4,00</td>
</tr>
<tr>
<td>Cinema</td>
<td>~ 6,00</td>
</tr>
</tbody>
</table>
## OUR STUDY COURSES

### MATHEMATICS
- B.Sc. Mathematics
- B.Sc. Economathematics
- M.Sc. Mathematics
- M.Sc. Mathematics International
- M.Sc. Economathematics
- M.Sc. Technomathematics
- M.Sc. Actuarial and Financial Mathematics
- PhD Program Mathematics in Industry & Commerce

### MECHANICAL & PROCESS ENGINEERING
- Diploma Mechanical and Process Engineering
  - M. Sc. Mechanical Engineering
  - M. Sc. Mechanical Engineering with a minor in Economics
  - M. Sc. Product Development in Mechanical Engineering
  - M. Sc. Automotive Engineering
  - M. Sc. Materials Science and Engineering
  - M. Sc. Production Engineering
  - M. Sc. Computational Engineering
  - M. Sc. Mechanical Engineering with a minor in Applied Computer Science
  - M. Sc. Mechanical Engineering with a minor in Economics
  - M. Sc. Bioprocess Engineering
  - M. Sc. Energy and Process Engineering
  - M. Sc. Biochemical and Chemical Engineering Sciences

### CHEMISTRY
- B.Sc. Chemistry
- B.Sc. Food Chemistry
- B.Sc. Chemistry (focus on business management)
- M.Sc. Chemistry
- M.Sc. Toxicology
- M.Sc. Food Chemistry
- M.Sc. Business Chemistry

### ELECTRICAL & COMPUTER ENGINEERING
- B.Sc. Electrical and Computer Engineering
- B.Sc. Media and Communication Technology
- M.Sc. Electrical and Computer Engineering
- M.Sc. Media and Communication Technology
- M.Sc. European Master Embedded Computing Systems
- M.Sc. Automation and Control (from WS 2021/22)

### BUSINESS STUDIES & ECONOMICS
- B.Sc. Business Studies
- B.Sc. Business Studies with Technical Qualifications
- M.Sc. Business Studies
- M.Sc. Business Studies with Technical Qualifications
- *specializing in Chemistry, Computer Science, Electrical Engineering, Mechanical Engineering or Process & Environmental Engineering

### PHYSICS
- Diploma Physics
- B.Sc. Physics
- B.Sc. Biophysics
- B.Sc. Technophysics
- M.Sc. Advanced Quantum Physics
- M.Sc. Biophysics
- M.Sc. Physics
- M.Sc. Technophysics

### CIVIL ENGINEERING
- B.Sc. Civil Engineering
- B.Sc. Immobilien & Facilities – Management & Technik
- M.Sc. Civil Engineering - Infrastructure, Water & Mobility
- M.Sc. Civil Engineering - Construction Engineering
- M.Sc. Immobilien & Facilities – Management & Technik

### COMPUTER SCIENCE
- B.Sc. Computer Science
- B.Sc. Social Computing
- M.Sc. Computer Science
- M.Sc. Social Computing
- PhD Program Computer Science

### SOCIAL SCIENCES
- B.A. Integrative Social Sciences
- B.Sc. Sport Sciences & Health
- M.A. Integrative Social Sciences
- M.Sc. Cognitive Sciences
- M.A. Globalisierung & Digitalisierung (from WS 2021/22)
- M.A. Soziologie & empirische Sozialforschung (from WS 2021/22)

### INTERDISCIPLINARY STUDY PROGRAM
- M.Sc. Commercial Vehicle Technology (partly taught in German)

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**Notes:**
- B.Sc. = Bachelor of Science
- M.Sc. = Master of Science
- B.A. = Bachelor of Arts
- M.A. = Master of Arts
- 1 = international (taught in English)
- 2 = starts in winter semester only