

DEPARTMENT OF  
INTERNATIONAL AFFAIRS:  
ISGS

# International **Master** Programs

+ List of all study courses

Taught in English



[www.uni-kl.de](http://www.uni-kl.de)  
>international  
>master



## KAISERSLAUTERN In the heart of Europe

Berlin	2h	
Frankfurt	1h	
Munich	4h	
Paris	2h	

# INTERNATIONAL MASTER PROGRAMS

## Technische Universität Kaiserslautern

### TABLE OF CONTENTS

Technische Universität Kaiserslautern .....	2
The City of Kaiserslautern .....	4
Department of International Affairs: ISGS .....	6
Biology .....	8
Electrical & Computer Engineering .....	10
Computer Science .....	12
Mathematics .....	14
Physics .....	16
Commercial Vehicle Technology .....	17
Social Science .....	18
Distance & Independent Studies Center (DISC)....	19
How to apply .....	20
Admission Process .....	21
Fees & Living Expenses .....	22
Our Study Courses .....	24
Language Requirements .....	25



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 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 assistant jobs at the departments.

### 2018 SNAPSHOT

13.733	Students Enrolled
2.673	International Students
12	Departments
109	Study Courses (bachelor, master, diploma & PhD programs)
17 (31)	International Graduate Programs (Specializations)
216	Professorships
1,439	Scientific & Academic Staff (approx.)
€ 215,8	Mio. Budget (~ 70 % state financed) (2017)
€ 64,7	Mio. external third-party-funds (2017)

# RECOGNIZED AS ONE OF THE LARGEST IT CLUSTERS IN ALL OF EUROPE



Our twelve departments attract students worldwide: 15 percent of 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.



The University has an inviting modern campus (~36 football fields). Situated in the heart of Europe (close to France and the

Benelux, only one hour away from Frankfurt Airport and two hours from Paris), Kaiserslautern also represents an important economic site of science and research industries.

## 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



## ACADEMIC YEAR

Start winter term:  
Start summer term:

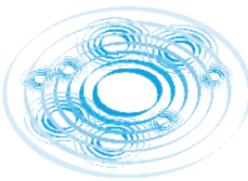
October 1  
April 1

[www.uni-kl.de](http://www.uni-kl.de)

# THE CITY OF KAISERSLAUTERN

## The Research Environment

TUK is embedded in an excellent research environment: it is the nucleus of the “Science Alliance Kaiserslautern”, a consortium of high-profile science institutions on and nearby campus. The Science Alliance Kaiserslautern e.V. 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.



## SCIENCE ALLIANCE KAISERSLAUTERN

- German Research Center for Artificial Intelligence (DFKI) Inc.  
[www.dfki.de](http://www.dfki.de)
  - Institute for Biotechnology and Drug Research (IBWF) e.V.  
[www.ibwf.de](http://www.ibwf.de)
  - Fraunhofer Institute for Experimental Software Engineering (IESE)  
[www.iese.fraunhofer.de](http://www.iese.fraunhofer.de)
  - Fraunhofer Institute for Industrial Mathematics (ITWM)  
[www.itwm.fraunhofer.de](http://www.itwm.fraunhofer.de)
  - Fraunhofer Institute for Physical Measurement Techniques  
[www.ifos.uni-kl.de](http://www.ifos.uni-kl.de)
  - Research Institute for Technology and Work (ITA) e.V.  
[www.ita-kl.de](http://www.ita-kl.de)
  - Institute for Composite Materials (IWW) GmbH  
[www.iww.uni-kl.de](http://www.iww.uni-kl.de)
  - Max Planck Institute for Software Systems (MPI SWS)  
[www.mpi-sws.org](http://www.mpi-sws.org)
  - University of Applied Sciences - Hochschule Kaiserslautern  
[www.hs-kl.de](http://www.hs-kl.de)
- and more on:  
[www.science-alliance.de](http://www.science-alliance.de)



A GOOD PLACE TO LIVE AND STUDY

## Kaiserslautern - 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 Kaisers-

lautern, 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.





LENDING A HAND IN EVERY PHASE OF YOUR STAY!

## 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.



*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.*



## 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.

<http://www.uni-kl.de/international/home/events/>

## 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.

[www.uni-kl.de/international/master/current-students/graduating-leaving/graduation-ceremony/](http://www.uni-kl.de/international/master/current-students/graduating-leaving/graduation-ceremony/)

### CONTACT

*Department of International Affairs: ISGS*

Gottlieb-Daimler-Str. 47, 67663 Kaiserslautern, Germany

**Phone:** +49 631 205 4998

**E-mail:** [info@isgs.uni-kl.de](mailto:info@isgs.uni-kl.de)

**Web:** [www.uni-kl.de/international](http://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!

## Master of Science Biology

<b>Degree awarded</b>	Master of Science (M.Sc.)
<b>Duration</b>	4 semesters (2 years)
<b>Credit points</b>	120 ECTS-Credits
<b>Admission requirements &amp; process</b>	via ISGS, see page 20
<b>Application deadline</b>	April 30 and October 31
<b>Fees</b>	No tuition fees (state-financed)

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

## SPECIALIZATIONS

### ■ Microbial and Plant Biotechnology:

- Systems Biology & Plant Biotechnology
- Molecular Physiology of Plant Systems
- Protein Biochemistry
- Plant Pathology
- Microbiology
- Computational Biology & Bioinformatics

### ■ Molecular Cell Biology:

- Cell Biology
- Molecules, Cells & Tissues
- Molecular Medicine

### ■ Neurobiology:

- Neurobiology & Neurochemistry of Vertebrates & Invertebrates
- Molecular & Cellular Neurobiology
- Behavioral Neurobiology
- Developmental Neurobiology
- Neural Plasticity
- Neural Networks
- Neural Diseases

### ■ Ecology:

- Diversity & Evolution
- Systematics and Ecology of Cryptogames
- Plankton Ecology
- Ecology of Plants
- Marine Ecology
- Bioinformatics & Statistics
- Species & Functional Diversity

## 1 Master in Electrical & Computer Engineering

<b>Degree awarded</b>	Master of Science (M.Sc.)
<b>Duration</b>	3 semesters (1.5 years)
<b>Credit points</b>	90 ECTS-Credits
<b>Admission requirements &amp; process</b>	via ISGS, see page 20
<b>Application Deadline</b>	April 30 and October 31 Only online application via: <a href="https://esy.eit.uni-kl.de/eit-applications/">https://esy.eit.uni-kl.de/eit-applications/</a>
<b>Fees</b>	No tuition fees (state-financed)

This program offers an engineering education that prepares its graduates for an industrial career in Electrical and Computer Engineering as well as for engaging in scientific research of a subsequent Ph.D. program.

Two majors of study are offered:

### SPECIALIZATIONS

- Embedded Systems (ESY)
- Automation and Control (AUT)

*\* Both majors can be studied completely in English*

*\* Detailed description of both majors via [www.eit.uni-kl.de/en/mplus](http://www.eit.uni-kl.de/en/mplus)*

This program emphasizes profound scientific education linked to industry-oriented project work. The first and second semesters are dedicated to course work including laboratories. An individual study plan is elaborated for every student. The final semester is usually reserved for the master's thesis. In the master's thesis, the student learns to work independently on a larger industry-oriented project and gains hands-on practical experience in a selected topic.

### Financial Support

Students with good grades may work as research or teaching assistants in the department after one or two semesters of study.

[www.eit.uni-kl.de/en/mplus](http://www.eit.uni-kl.de/en/mplus)



## 2 European Master in Embedded Computing Systems (EMECS)

<b>Degree awarded</b>	M.Sc., joint degree
<b>Duration</b>	4 semesters (2 years)
<b>Credit points</b>	120 ECTS-Credits
<b>Admission requirements</b>	See program's website
<b>Application Deadline</b>	January 31 Only online application via: <a href="http://eis.eit.uni-kl.de/emecs-applications/">http://eis.eit.uni-kl.de/emecs-applications/</a>
<b>Fees</b>	European students: € 8,000 Non-european students: € 16,000

TUK is the coordinator of the Erasmus+ Program „European Master in Embedded Computing Systems (EMECS)“. EMECS is a two years Master's course (120 ECTS credits) that is pursued at two out of the three participating institutions - Technische Universität Kaiserslautern, the University of Southampton, UK and the Norwegian University of Science and Technology, Norway. Students each spend one year at one of the selected universities and upon successful completion receive a joint degree from the respective institutions. 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.

### MAIN TEACHING AREAS

- Hardware architectures of embedded systems
- System-on-chip design
- System software

### Financial Support

EMECS scholarships are available and funded by our consortium partners (incl. tuition).

[www.emecs.eu](http://www.emecs.eu)



Erasmus+

# COMPUTER SCIENCE

Students of the program “Computer Science” will be able to develop complex computer science systems as well as follow research in their selected specialization field. 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.

## 1 M.Sc. Computer Science

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

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 one of the following research fields:

### SPECIALIZATIONS

- Algorithmics
- Embedded Systems
- Computer Graphics & Visualization
- Information & Communication Systems
- Software Engineering
- Intelligent Systems
- Verification
- Robotics

[www.cs.uni-kl.de/en/studium/studiengaenge/bm-inf](http://www.cs.uni-kl.de/en/studium/studiengaenge/bm-inf)

## 2 European Master in Software Engineering

<b>Degree awarded</b>	M.Sc., double degree
<b>Duration</b>	4 semesters (2 years)
<b>Credit points</b>	120 ECTS-Credits
<b>Admission requirements</b>	see program's website below <a href="http://em-se.eu/">http://em-se.eu/</a> (for further details and online application)
<b>Application Deadline</b>	Approx. beginning of January
<b>Fees</b>	European students: € 4,250 Non-European students: € 6,000

This graduate program, taught in English, is organized by a consortium of the TUK, the Free University of Bolzano (Italy), the Technical University of Madrid (Spain) and the University of Oulu (Finland). Students can choose two of these four universities and spend one year in each university. They will receive a double degree. Scholarships are available from the partners of the EMSE consortium as well as from EU funding.

### SPECIALIZATIONS

- Ambient Systems
- Communication Systems
- Mathematical Modeling & Simulation
- Information Management (Business Software Development)
- Automotive Systems
- Embedded Systems
- Production Systems



Funded by the  
Erasmus+ Programme  
of European Union

# MATHEMATICS



<b>Degree awarded</b>	Master of Science (M.Sc.)
<b>Duration</b>	4 semesters (2 years)
<b>Credit Points</b>	120 ECTS- Credits
<b>Application</b>	Graduate School directly (For documents see page 20)
<b>Application deadline</b>	April 30 and October 31

The master programs in mathematics are very flexible. The students choose the lectures together with their tutors according to their interests.

## SPECIALIZATIONS

- Algebra & Number Theory
- Algebraic Geometry & Computer Algebra
- Financial Mathematics
- Image Processing & Data Analysis
- Modelling & Scientific Computing
- Optimization
- Partial Differential Equations
- Statistics
- Stochastic Analysis
- Systems & Control Theory

### Course Guidance & Application:

The Graduate School “Mathematics as a Key Technology” deals with all international activities of the department such as the admission of international students and coordinates the PhD program as well as contacts with the Fraunhofer Institute.

## CONTACT

### *Graduate School Mathematics as a Key Technology*

Gottlieb-Daimler-Str. 48 | 67663 Kaiserslautern | Germany

**Phone:** + 49 (0)631 205 3246 | **Fax:** + 49 (0)631 205 2048

**Email:** [grad\\_school@mathematik.uni-kl.de](mailto:grad_school@mathematik.uni-kl.de)

**Web:** [www.mathematik.uni-kl.de/international](http://www.mathematik.uni-kl.de/international)

## **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 of Advanced Quantum Physics

<b>Degree awarded</b>	Master of Science (M.Sc.)
<b>Duration</b>	4 semesters (2 years)
<b>Credit Points</b>	120 ECTS- Credits
<b>Application &amp; Contact</b>	<a href="http://www.physik.uni-kl.de/quantum-master">www.physik.uni-kl.de/quantum-master</a> (Details see page 20)
<b>Application deadline</b>	April 30 & October 31
<b>Fee</b>	No program fee (state-financed)

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 researches 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) |

[www.physik.uni-kl.de/quantum-master](http://www.physik.uni-kl.de/quantum-master)



Interdisciplinary

## CVT Master in Commercial Vehicle Technology

<b>Degree awarded</b>	Master of Science, M.Sc.
<b>Duration</b>	4 semester (2 years)
<b>Credit Points (cp)</b>	120 ECTS
<b>Course language</b>	English & German
<b>Admission requirements &amp; process</b>	via ISGS, see page 20
<b>Application deadline</b>	April 30
<b>Fee</b>	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**

Including German Language Course units, social, cultural & administrative components (mandatory for international students, see page 22)

### Master in Cognitive Science (M.Sc.)

Degree awarded	Master of Science (M.Sc.)
Duration	4 semesters (2 years)
Credit Points	120 ECTS-Credits
Course language	English with some optional courses in German (~10%)
Admission requirements & process	<a href="http://www.sowi.uni-kl.de/en/study/cognitive-science/admission-requirements-and-application/">www.sowi.uni-kl.de/en/study/cognitive-science/admission-requirements-and-application/</a>
Application deadline	April 30 (for students who need VISA) July 15 (no VISA required)
Fees	August 30 (Germans, Bildungsinländer) 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

The program focuses on the following:

#### 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

<b>Degree awarded</b>	Master of Engineering (M.Eng.)
<b>Duration</b>	4 semesters (2 years)
<b>Credit Points</b>	90 ECTS-Credits
<b>Admission requirements &amp; process</b>	<a href="http://www.zfuw.uni-kl.de/en">www.zfuw.uni-kl.de/en</a>
<b>Application deadline</b>	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 €101 per semester. The one-off fee for the master's thesis is €500.

## 2 Distance Master Nanotechnology

<b>Degree awarded</b>	Master of Science (M.Sc.)
<b>Duration</b>	6 semesters (3 years)
<b>Credit Points</b>	90 ECTS-Credits
<b>Admission requirements &amp; process</b>	<a href="http://www.zfuw.uni-kl.de/en">www.zfuw.uni-kl.de/en</a>
<b>Application deadline</b>	July 15

**Target Group:** Graduates in engineering, science, pharmacy or medicine

**Contents include:** semiconductor theory, nanomaterials, etc.

**Fee:** €820 per semester plus a social contribution of currently €101 per semester. The one-off fee for the master thesis is €500.

## 3 Distance Master Financial Engineering

<b>Degree awarded</b>	Master of Science (M.Sc.)
<b>Duration</b>	6 semesters (3 years)
<b>Credit Points</b>	90 ECTS-Credits
<b>Admission requirements &amp; process</b>	<a href="http://www.zfuw.uni-kl.de/en">www.zfuw.uni-kl.de/en</a>
<b>Application deadline</b>	July 15

**Target Group:** The program is particular aimed at graduates of Bachelors or Masters programs with a significant mathematics component

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

**Fee:** €1,990,- per semester plus a social contribution of currently €101,- per semester. The one-off fee for the master's thesis is €500.



# HOW TO APPLY

## Requirements for international master programs:

- **Certificate** Bachelor degree or equivalent
- **Language** English language proficiency certificate (only if your undergraduate language of instruction was not English, excluded: EMECS p.11, Master Programs Computer Science p. 12/13)

### APPLICATION DEADLINES

**unless otherwise noted**

- Summer semester** **October 31**  
[Start Orientation Course: ~ March 1]
- Winter semester** **April 30**  
[Start Orientation Course: ~ August 1]

### DOCUMENTS

- 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, Mongolia 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/)

# ADMISSION PROCESS



## Application (Dependant on the Master Program)

- Online Application
- Postal Application: Don't send the originals of your documents! These are not to be shown until you arrive in Germany!

Confirmation of receipt and information about assessment fee

Payment of assessment fee

ISGS checks completeness of application and formal correctness

### ISGS forwards application to relevant department:

(Only those for which the assessment fee was forwarded max 2 weeks after application deadline)

After deadline: Department evaluates application and informs ISGS about decision

ISGS informs applicant about acceptance (or denial)

Applicant receives offer (or denial)

Applicant accepts offer and signs "Declaration of Acceptance"

ISGS sends:

- Welcome letter
- Acceptance letter
- Letter for embassy

ISGS starts pre-departure communication:

- Housing information
- Orientation course registration
- Travel information
- Letter for embassy

Applicant takes care of pre-departure formalities (e.g., visa)

If applicable: registration for orientation course

- ISGS organizes orientation course
- E-mail communication until arrival

 To be completed by student

 To be completed by ISGS

## 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.

### NOTE

- Payment of the assessment fee does not automatically mean that you have been accepted!
- Single payment, even if you apply for several master programs

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

**€ 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/](http://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

Accommodation .....	~ € 250
Health insurance .....	~ € 80
Food .....	~ € 200
Internet & phone .....	~ € 25
Other (clothes, leisure activities etc.).....	~ € 75

**Monthly total costs ..... ~ € 630**

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 **€ 9,200 a year** to live comfortably.

### LIVING COSTS

#### A Snapshot on Regional (Student) Prices

Meal in refectory	~ € 2,40	Rice (1kg)	~ € 0,90
Bread (500 g)	~ € 1,20	Pizza (Pizzeria)	~ € 4,00
Orange juice (1 liter)	~ € 1,00	Cinema	~ € 6,00

# OUR STUDY COURSES

## ARCHITECTURE

- Diploma Architecture<sup>2</sup>
- B. Sc. Architecture<sup>2</sup>
- M. Sc. Architecture

## BIOLOGY

- B.Sc. Biosciences<sup>2</sup>
- M.Sc. Biology<sup>1</sup> specializing in Microbial & Plant Biotechnology, Neurobiology, Molecular Cell Biology, Ecology

## BUSINESS STUDIES & ECONOMICS

- B.Sc. Business Studies<sup>2</sup>
  - B.Sc. Business Studies with Technical Qualifications<sup>2</sup>
  - B.Sc. Industrial Engineering & Management<sup>2,\*</sup>
  - M.Sc. Business Studies
  - M.Sc. Business Studies with Technical Qualifications
  - M.Sc. Industrial Engineering and Management<sup>\*</sup>
- <sup>\*</sup> specializing in Chemistry, Computer Science, Electrical Engineering, Mechanical Engineering or Process and Environmental Engineering

## CIVIL ENGINEERING

- B.Sc. Civil Engineering
- B.Sc. Facility Management<sup>2</sup>
- M.Sc. Civil Engineering - Infrastructure, Water & Mobility
- M.Sc. Civil Engineering - Construction Engineering
- M.Sc. Facility Management<sup>2</sup>

## CHEMISTRY

- B.Sc. Chemistry
- B.Sc. Food Chemistry<sup>2</sup>
- B.Sc. Chemistry (focus on business management)<sup>2</sup>
- M.Sc. Chemistry
- M.Sc. Toxicology<sup>4</sup>
- M.Sc. Food Chemistry<sup>2</sup>
- M.Sc. Business Chemistry<sup>2</sup>

## COMPUTER SCIENCE

- B.Sc. Computer Science
- B.Sc. Social Computing<sup>2</sup>
- M.Sc. Computer Science<sup>1</sup>
- M.Sc. Social Computing
- M.Sc. European Master Software Engineering<sup>1</sup>
- PhD Program Computer Science<sup>1</sup>

## ELECTRICAL & COMPUTER ENGINEERING

- B.Sc. Electrical and Computer Engineering
- B.Sc. Media and Communication Technology
- M.Sc. Electrical and Computer Engineering<sup>1</sup>
- M.Sc. Media and Communication Technology
- M.Sc. European Master Embedded Computing Systems<sup>1</sup>

## MATHEMATICS

- B.Sc. Mathematics
- B.Sc. Econometrics
- M.Sc. Mathematics<sup>1</sup>
- M.Sc. Mathematics International<sup>1</sup>
- M.Sc. Econometrics<sup>1</sup>
- M.Sc. Technometrics<sup>1</sup>
- M.Sc. Actuarial and Financial Mathematics<sup>1</sup>
- PhD Program Mathematics in Industry & Commerce<sup>1</sup>

## MECHANICAL & PROCESS ENGINEERING

- Diploma Mechanical and Process Engineering
- B.Sc. Mechanical Engineering<sup>2</sup>
- B.Sc. Mechanical Engineering with a minor in Economics<sup>2</sup>
- B.Sc. Energy and Process Engineering<sup>2</sup>
- B.Sc. Biochemical and Chemical Engineering Sciences<sup>2</sup>
- 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 <sup>2</sup>
M.Sc.	Biochemical and Chemical Engineering Sciences <sup>2</sup>
M.Sc.	Commercial Vehicle Technology <sup>1,2</sup> (partly taught in German)

## PHYSICS

Diploma	Physics
B.Sc.	Physics
B.Sc.	Biophysics <sup>2</sup>
B.Sc.	Technophysics <sup>2</sup>
M.Sc.	Advanced Quantum Physics <sup>1</sup>
M.Sc.	Biophysics
M.Sc.	Physics
M.Sc.	Technophysics

## SOCIAL SCIENCES

B.A.	Integrative Social Sciences <sup>2</sup>
M.A.	Integrative Social Sciences
M.A.	Cognitive Sciences <sup>1,2</sup>
M.A.	Sport Sciences & Health <sup>2</sup>

## SPATIAL & ENVIRONMENTAL PLANNING

B.Sc.	Spatial Planning <sup>2</sup>
M.Sc.	Urban and Regional Development <sup>2</sup>
M.Sc.	Environmental Planning and Law <sup>2</sup>
M.Sc.	Border Studies <sup>2</sup>

Entire list of study courses



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

# LANGUAGE REQUIREMENTS



## 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 Fa-DaF) with a grade of DSH-2 or DSH-3, “Kleines deutsches Sprachdiplom” (basic) or “Großes deutsches Sprachdiplom” (advanced), The Unicert III certificate, TestDaF certificate with at least TDN-4 in all sections

- For further language requirements we recommend to refer to each master program website

[www.uni-kl.de/international/bachelor](http://www.uni-kl.de/international/bachelor) | [studium@uni-kl.de](mailto:studium@uni-kl.de)



## 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 referring program website, since regulations might change.

[www.uni-kl.de/international/master/prospective-students/application-admission](http://www.uni-kl.de/international/master/prospective-students/application-admission) | [info@isgs.uni-kl.de](mailto:info@isgs.uni-kl.de)





## **PUBLISHER**

Department of International Affairs: ISGS

## **CONTACT**

**Department of International Affairs: ISGS**

Gottlieb-Daimler-Str. 47

67663 Kaiserslautern, Germany



+49 (0) 631 205 4998



info@isgs.uni-kl.de



www.uni-kl.de/international

© ISGS, August 2018