



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree

RPTU **Computer Science (Master of Science)**
RPTU University of Kaiserslautern-Landau • Kaiserslautern



Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none">English
Languages	<p>Courses of the Department of Computer Science are held completely in English. Some supplementary modules (not mandatory) of other departments might be held in German.</p> <p>Participants can choose to write their Master's thesis in either language (German or English).</p>
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	<p>For international applicants applying from abroad who need a visa: 30 April for the following winter semester 31 October for the following summer semester</p> <p>Others: 15 January for the following summer semester 15 July for the following winter semester</p>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	The Master's programme in Computer Science improves students' competencies in planning, designing and creating information systems and/or embedded software systems ultimately leading to a professional qualification.

During the first three semesters, students choose lectures, a project (lab) and a seminar in one self-selected area of specialisation, other areas in computer science, and a supplementary subject.

The following specialisations are offered:

- Algorithmics and Deduction
- Embedded Systems and Robotics
- Information Systems
- Intelligent Systems
- Distributed and Networked Systems
- Software Engineering
- Visualisation and Scientific Computing
- Data Science (new)

The supplementary subjects comprise about 25% of the course of studies. In the fourth semester, every student has to write a Master's thesis.

The Department of Computer Sciences at RPTU offers a unique research environment within the university and the associated, internationally renowned institutes (Fraunhofer Institute for Experimental SW Engineering, German Research Institute for Artificial Intelligence, Max Planck Institute for Software Systems). The institutes offer lectures, projects, Master's theses, and student assistant jobs.

International teams of professors, postgraduates and students collaborate on various fields of research covering a broad range with particular strengths in:

- Software Technology and Software Engineering
- Scientific Computing
- Information and Database Systems
- Artificial Intelligence and Computer Vision
- Distributed and Networked Systems
- Simulation
- Algorithmics
- Embedded Systems
- Robotics

Some of our research groups are among the best in the world.

Course Details

Course organisation

Apart from the regulations regarding required credit points in different categories, students are free to choose courses according to their preferences.

There is no given timetable of modules. An adviser helps to develop an individual study plan. The supplementary modules can individually be chosen by the student among all departments of the university.

A Diploma supplement will be issued

Yes

International elements

- Specialist literature in other languages
- Language training provided
- Training in intercultural skills
- Courses are led with foreign partners
- Projects with partners in Germany and abroad
- Content-related regional focus

Course-specific, integrated

No

German language courses

Course-specific, integrated English language courses No

Costs / Funding

Tuition fees per semester in EUR None

Semester contribution

Social fees:

For RPTU Kaiserslautern: 285 EUR per semester, for RPTU Landau: 170 EUR per semester (includes free transport in the RPTU surroundings, free university sports courses, etc.)

Assessment fees:

For RPTU Kaiserslautern: 60 EUR, for RPTU Landau: 75 EUR (single payment for verification of foreign certificates)

Recommended:

German language & orientation course for international students: 750 EUR

Costs of living

Monthly cost of living: RPTU in Kaiserslautern: approx. 850 EUR, RPTU in Landau: approx. 950 EUR (including accommodation, health insurance, food, Internet, phone, etc.)

For more information:

<https://rptu.de/international/master/prospective-students/why-kaiserslautern/fees-living-expenses>

<https://rptu.de/international/master/prospective-students-rptu-in-landau/why-rptu-landau>

Funding opportunities within the university

No

Requirements / Registration

Academic admission requirements

- Qualified Bachelor's or equivalent degree
- Language proficiency in English
- GRE test is strongly recommended.

Language requirements

At the beginning of your studies, no knowledge of German is required. However, you are obliged to attend basic German courses at RPTU which form an integral part of your programme. After two semesters, you have to pass the DSI examination (DSI stands for "Deutsche Sprachprüfung für Studierende in internationalen Studiengängen und Doktoranden": language exam for international students at RPTU), in order to continue your studies. This exam requires basic German knowledge at A1 level.

A good knowledge of English is required for admission to the programme of study. You must prove your English language skills for the Master's programme as follows:
TOEFL Test: 550 points (paper-based) / 213 points (computer-based) / 79 points (internet-based) and/or IELTS: 6.0 points, or equivalent (e.g., prior studies in English)

Application deadline

For international applicants applying from abroad who need a visa:
30 April for the following winter semester
31 October for the following summer semester

Others:

15 January for the following summer semester
15 July for the following winter semester

Submit application to

RPTU University of Kaiserslautern-Landau
Department of International Affairs (RefIntA)
Gottlieb-Daimler-Str. 47
67663 Kaiserslautern
Germany

<https://applymsc.informatik.uni-kl.de/>

Services

Possibility of finding part-time employment

Student assistant jobs are available on a competitive basis at the university and its departments, at the affiliated research Institutes of the Science & Innovation Alliance Kaiserslautern (including DFKI, Max Planck, Fraunhofer, etc.) or at nearby industry companies (John Deere, Daimler, BASF, etc.).

Excellent students have good chances to find jobs in research projects, but these are not usually granted in advance.

International Affairs RPTU supports international students in finding student jobs and in deepening their professional network, e.g. by organising networking dialogues with executives from science and industry as informal career meeting.

Accommodation

RPTU Kaiserslautern:

The majority of our students live in residence halls located on or close to campus. The "Studierendenwerk" operates several large halls of residence in Kaiserslautern. Students submit housing applications directly to the Studierendenwerk. For international Master's or PhD students, International Affairs RPTU aims to arrange accommodation in these residence halls or in private accommodation within its pre-arrival service. The halls of residence have modern single, double or shared apartments with kitchenette, bathroom/WC, and modern facilities as well as Internet access.

- Fully-furnished: kitchenette (no plates & pots, etc.), bed & mattress (no blankets & pillows), wardrobe, shelf, table, chair (no computer)

- Rent: approx. 350 EUR

Since accommodation is not automatically guaranteed with admission, a request for accommodation to ISGS is advisable.

Optional: To help international students get started in Kaiserslautern, the "Studierendenwerk" offers a starter package for the apartment. This package can be purchased for 95 EUR:
<https://www.studierendenwerk-kaiserslautern.de/en/housing/international>.

More information:www.uni-kl.de/international/master/prospective-students/travel-accommodation/accommodation/

RPTU Landau:

Accommodation is available in student residences or on the private housing market. A certain

number of rooms in student residences are reserved for incoming international Master's students who enrol at RPTU Landau. Students can contact the Welcome Center for further information on the application process or regarding the search for private housing. E-mail: international@uni-landau.de

More information: <https://www.uni-koblenz-landau.de/en/international-en/support-contact/welcome-center/accommodation-folder>

Career advisory service

International Affairs RPTU supports international students in finding (student) jobs and in deepening their professional networks, e.g. by organising networking dialogues with executives from science and industry as informal career meetings.

Furthermore, we set up interdisciplinary workshops, seminars and info sessions focusing on skills and competences needed to integrate into German (business) culture.

More information: <https://rptu.de/international/master/current-students/enhance-your-degree>

Support for international students and doctoral candidates

- Tutors
- Specialist counselling
- Cultural and linguistic preparation
- Pick-up service

General services and support for international students and doctoral candidates

International Affairs RPTU supports international students in every phase of their stay.

Before your arrival: Effective pre-arrival communication helps you to manage application, visa, residence permit, and housing affairs.

Once you are here: As a warm-up to your studies, we offer an orientation course that combines German language training with administrative support (finding accommodation, registration process, visa, health insurance, rental contracts, etc.) and a cultural and social component including individual guidance in the first days, a campus & city tour, excursions, info sessions, social events, e.g. a welcome party, and more.

During your studies: We provide you with continuing support and accompany you on your way until graduation and entry to the German job market.

More information: <https://rptu.de/international>

- RPTU University of Kaiserslautern-Landau -



Campus RPTU in Kaiserslautern

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RPTU University of Kaiserslautern-Landau is a top-ranked German research-oriented university (first place among 146 international universities in nine categories, such as learning, living, support services, and cost in the International Student Barometer 2022). Our university offers high-quality graduate education and (post-) doctoral research training in innovative fields of the high-tech world, many of them English-taught. Our features:

- International study environment highly affiliated to industry & research
- “Science & Innovation Alliance” of high-profile research institutes nearby campus, offering (student assistant) job opportunities
- Zero tuition fees & low cost of living
- “University of Teaching Excellence” award for outstanding student-teacher ratio & efficient support structure for international students, including visa support
- Safe, modern, and healthy study environment surrounded by beautiful nature
- 21 international graduate programmes (with more than 40 specialisations)

RPTU University of Kaiserslautern-Landau offers over 140 study courses in the following 16 departments:

- Architecture
- Biology
- Business Studies & Economics
- Chemistry
- Civil Engineering
- Computer Science
- Cultural & Social Sciences (Landau)
- Educational Sciences (Landau)
- Electrical & Computer Engineering
- Mathematics
- Mechanical & Process Engineering
- Natural & Environmental Sciences (Landau)
- Physics
- Psychology (Landau)
- Spatial & Environmental Planning
- Social Sciences

By virtue of its internationally-renowned faculties and their top-ranked international study programmes, RPTU attracts students from all over the world. Our extraordinarily high ratio of postgraduate and doctoral students underscores the university's focus on research, Master's studies, and doctoral research training.

With a current enrolment of approx. 20,000 students, amongst them 17.4% international students (and 26% international students at RPTU in Kaiserslautern), the university has a manageable size and therefore ensures excellent guidance and close contact with professors. Thus, the university offers an outstanding support ratio of students per lecturer, e.g. three students per lecturer in the Department of Physics (national average: 12).

International Affairs RPTU has profound experience with international students and supports them in every phase of their studies or research. Besides effective pre-arrival communication, administrative support and social services, International Affairs RPTU offers professional training for PhD students and postgraduates as well as qualified career counselling. Helping international students "feel at home" in a new (academic) culture at RPTU is of major importance within our service portfolio for incoming international students.

RPTU

University location

Kaiserslautern – proud history and bright future

Already Emperor Friedrich Barbarossa was convinced of the advantages of the Kaiserslautern region when he chose to build his imperial palace in the 12th century. Based on those historical roots, the city has developed into a cosmopolitan cluster of science and technology. "K-Town" is considered a prime location by many national and international companies (including Accenture and John Deere, etc.). The Science & Innovation Alliance Kaiserslautern, a network of high-profile research institutes (including German Research Centre for Artificial Intelligence, Fraunhofer Institute for Experimental Software Engineering, Fraunhofer Institute for Industrial Mathematics, or Max Planck Institute for Software Systems), provides innovative solutions based on the latest technologies to students, scientists, and partners from industry. The topographic convergence of technology and nature makes the city both a vibrant urban centre and a natural oasis. Getting in touch with nature is particularly easy in Kaiserslautern, where Germany's largest interlinked woodlands are right at your doorstep. The forest of Rhineland-Palatinate is criss-crossed by a network of about 7,500 miles of well-marked hiking trails and mountain bike park. UNESCO has recognised the exceptional value of the nature reserve as one of the 15 German biosphere reserves.

Kaiserslautern is home to people from over 140 nations who contribute to a diverse and vibrant city life. Most of the 100,000 inhabitants speak English, making it easy to quickly feel at ease. "K-Town" has a very good public transport service including high speed intercity trains that offer quick and comfortable connections to Europe's biggest cities (Brussels, Paris, Berlin etc), airports (FFM), and business centres. Last but not least, "K-Town" is home to "1. FCK" (FC Kaiserslautern) and loves to cheer for its soccer team in its well-known Betzenberg-Stadium.

Landau – Mediterranean flair More than 46,000 people plus around 9,000 students live in the southern Palatine city between the Rhine River plains and the Palatinate Forest. The region, shaped by viticulture, is also called the "German Tuscany" because of its mild climate with 1,800 hours of sunshine per year.

The Palatinate Forest, the largest forest in Central Europe and part of a transborder biosphere reserve with France, provides excellent possibilities for outdoor activities such as hiking, rock climbing or mountain biking. It is a paradise for nature lovers. Larger cities like Heidelberg or Frankfurt are within easy reach, and France is only 20 km away.

Contact

RPTU University of Kaiserslautern-Landau

Department of Computer Science

Christian Bogner

Erwin-Schrödinger-Straße 48
67663 Kaiserslautern

✉ msc-application@cs.uni-kl.de

🌐 Course website: <https://cs.rptu.de/en/studium/studiengaenge/bm-inf/sp.ma/>

International Affairs

Tel. +49 6312054998

✉ [Email](#)

📘 <https://www.facebook.com/RPTUKaiserslauternLandau>

🐦 https://twitter.com/rptu_kl_ld

🌐 <https://de.linkedin.com/school/rheinland-pfaelzische-technische-universitaet-kaiserslautern-landau/>

📷 https://www.instagram.com/rptu_kl_ld

📺 https://www.youtube.com/@RPTU_Kaiserslautern-Landau

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www.daad.de/international-programmes
www.daad.de/sommerkurse

Editor

DAAD - Deutscher Akademischer Austauschdienst e.V.
German Academic Exchange Service
Section K23 – Information on Studying in Germany
Kennedyallee 50
D-53175 Bonn
www.daad.de

GATE-Germany

Consortium for International Higher Education Marketing
www.gate-germany.de

Disclaimer

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