

Light Up Your Future! Master's in Optics & Photonics





Karlsruhe School of Optics & Photonics



Optics & Photonics are key technologies for the 21st century. As enabling technologies for high-end industrial applications, they drive research in physics, chemistry, biology and engineering.

In 2006, the Karlsruhe School of Optics & Photonics (KSOP) was founded as the first Graduate School of the Karlsruhe Institute of Technology (KIT) under the **German "Excellence Initiative"**. In 2021, KSOP became sustainably funded through the KIT by the Federal Ministry of Research and Education (BMBF) and the State of Baden-Württemberg.

KSOP provides a multidisciplinary environment for first-class research and education as well as for the generation of innovative technologies in Optics & Photonics. Comprising both Master's and Doctorate programs, the educational concept is designed to qualify graduates for accelerated careers at world leading academic institutions and in high-tech industries.

Today, KSOP's membership is comprised of almost 1,000 Master students, doctoral researchers and alumni from 70 different countries.



More about the KSOP M.Sc. Program: www.ksop.kit.edu/msc_program.php

International Orientation



Interdisciplinarity



Research



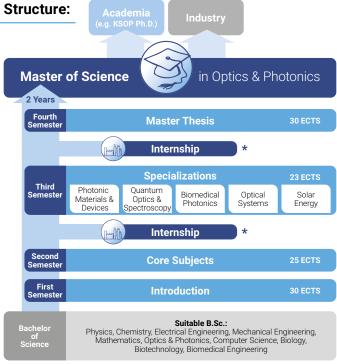
Study with the Best



An Interdisciplinary Master's Program

The 2-year Master's program in Optics & Photonics is taught in English.

Applicants are required to hold a Bachelor's degree in engineering or natural sciences to become a part of the interdisciplinary Master's program. After completing the fundamental introductory courses and core subjects in the first two semesters, each student chooses a research specialization.



* An eight-week internship will take place either between the second and third semester or between the third and fourth semester. This internship is optional and is credited with 12 ECTS.

The research and educational concept reflect the multidisciplinary research among natural scientists and engineers.

More about KSOP M.Sc. curriculum: www.ksop.kit.edu/curriculum.php



Publications



Patents



Awards



Hall of Fame



The Industry Network

The close cooperation to industry partners is of high value for industry, KSOP students, and doctoral researchers. KSOP students and researchers have an exclusive access to leading optics and photonics companies. Through industry lectures, internships, events, and master's thesis opportunities KSOP students gain valuable insight into industry and what it's like to work in Germany.

Our Current Premium Partners:

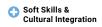






Benefits for KSOP Students:







More about industry benefits: www.ksop.kit.edu/students_industry.php



Voices of Students & Alumni



»I really like the internationality of the program. The fact of having colleagues from so many different science and/or engineering backgrounds and having the opportunity to work with them and learn how they approach finding solutions enhances my expertise all the time.«

Javier Mauricio Bruges Martelo completed his master's thesis at ZEISS



»What I like about the program is the combination of theory and practice. Practical experience is highly important as all the theory is worth nothing if you can not apply it to something real.«

Lisa Kadner

is now working at Polytec GmbH as Application Engineer

Perfect Location



Campus Housing



Strong Industry Network



Study & Career Guidance



2022 Employability Ranking





GERMANY EUROPE WORLDWIDE

Key Data & Benefits



2-year International Master's Program

Prerequisites: B.Sc. Degree in Optics & Photonics, Natural or Engineering Sciences



Specializations

Photonic Materials & Devices, Quantum Optics & Spectroscopy, Biomedical Photonics, Optical Systems, Solar Energy



Benefits

Industry Internships, Networking, Intensive Lab Training, Language Courses & Business Etiquette Training



KSOP Scholarship Program

Scholarships Available for Outstanding Applicants



Program Language **English** Start **October**



Ph.D. Opportunity

Graduates of the Master's program can apply for the **KSOP Ph.D. Program** to gain the scientific and technical knowledge, leadership and management skills which are often required for a successful career in industry.



More about the KSOP Benefits: www.ksop.kit.edu/reasons-for-ksop.php

International Orientation



Research



Scholarships



PhD Program



Apply from December - September each year!

NEW: Students can now benefit from applying during one of the three early deadlines as well as the regular admission deadlines for a start in October of each year. This increases the chance to be admitted earlier, allowing ample time to secure a visa, accommodation, finances, and more!

step

Submit your application

Rolling application deadlines

January 8 February 19 March 26 June 15

September 15

1st Early Admission 2nd Early Admission 3rd Early Admission

Regular Admission for non-EU applicants Regular Admission for

EU and German applicants

The sooner you apply, the earlier you receive your decision



Your application will be reviewed

rd step Promising candidates will be interviewed by the Admissions Committee

deadline

Admission Decision

Contact:

If you have any inquiries, you can reach us at:

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