



# ASP

Abbe School of Photonics  
Friedrich-Schiller-Universität Jena

# KSOP

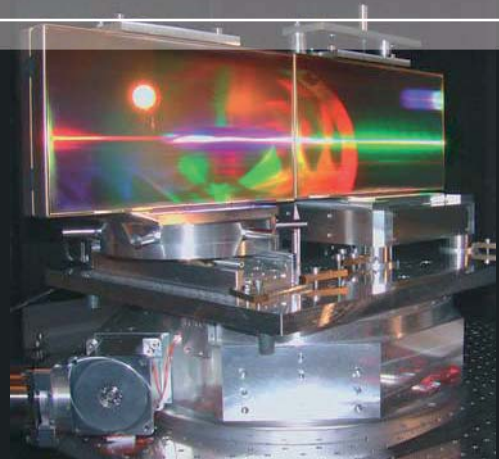


Universität Karlsruhe (TH)  
Research University · founded 1825

Karlsruhe School of Optics & Photonics

# Scholarship Program for international Masters in Optics & Photonics

Initiative of Universität Karlsruhe (TH) and Universität Jena



## Initiative

Experts from industry, science and politics agree on the photon being a crucial technology driving unit of the 21<sup>st</sup> century. The challenges that we will encounter in the fields of energy, environment, society, communication and production will not be solved without photonic technologies.

Europe fulfills all requirements to successfully open the gate to the Photonic century. But to make this come true, young and dedicated people have to be educated and qualified in this field of research.

That is the reason why an initiative driven by the Federal Government of Germany and the states Thüringen and Baden-Württemberg has been introduced. 16 dedicated industrial companies and the two leading universities in Optics & Photonics, Karlsruhe and Jena, were asked to give special aid to international and national students who are willing to study in the exciting field of Optics & Photonics.



Sponsors of the Scholarship Program

## M.Sc. & Scholarship Programs

### KSOP

M.Sc. in Optics & Photonics:

The 2-year M.Sc. course in Optics & Photonics at the Karlsruhe School of Optics & Photonics (KSOP) qualifies for a further career in industry as well as in research. Completely taught in English, the program is developed for applicants who have accomplished a Bachelor degree in Optics & Photonics, Physics, Chemistry, Electrical Engineering, Mechanical Engineering, Mathematics, Computer Science, Biology or Medical Science.

### ASP

M.Sc. in Photonics:

The Master of Photonics at the Abbe School of Photonics (ASP) is a unique Master's Course providing a comprehensive and multidisciplinary coverage of the field of Optics & Photonics, from upstream scientific aspects to engineering and applications in major sectors of the economy.

The Master Programs bundle two of the most powerful education concepts throughout Europe at the universities of Karlsruhe and Jena.

## Student Scholarship Program:

Both universities offer an outstanding scholarship program for approx. 60 of the most promising students per year.

The amount of support is up to EUR 800 per month for a maximum duration of two years.

For further scholarship details please visit:  
[www.asp.uni-jena.de](http://www.asp.uni-jena.de)  
[www.ksop.de](http://www.ksop.de)



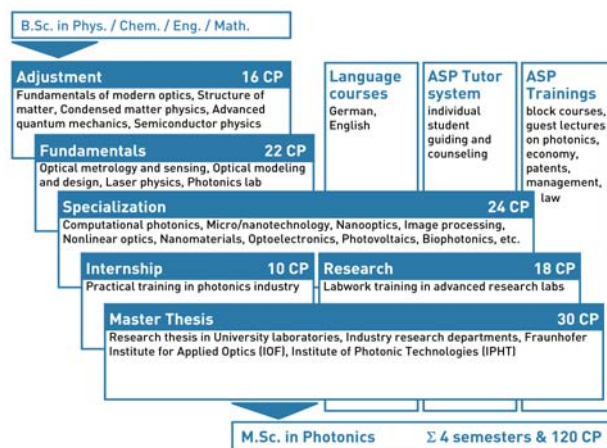
## M.Sc. in Photonics

The program is divided into four stages providing you as student with the necessary prerequisites in Optics, Condensed Matter Physics and Labworks in Optics (Stage I: Adjustment), to give you a solid background on important topics in Optics & Photonics as Laser Physics, Optical Metrology and Optical Design (Stage II: Fundamentals) and let you acquire specialized knowledge to be selected out of about 20 deepening courses (Stage III: Specialization) to be able to competently perform a nine-month research project on a current topic of research (Stage IV: Research Labworks and Masters Thesis). In addition, an 8-weeks industrial internship is scheduled after the second semester. The study will be complemented by language courses as well as ASP training courses provided by internationally renowned guest researchers.

The Abbe School of Photonics is part of the Friedrich-Schiller-Universität in Jena and contains in addition to the M.Sc. program a wide-ranging PhD program in Optics & Photonics.

ASP Coordinator: Prof. Dr. Falk Lederer  
 Institute of Condensed Matter Theory and Solid State Optics  
 Friedrich-Schiller-Universität Jena

## ASP Master Photonics



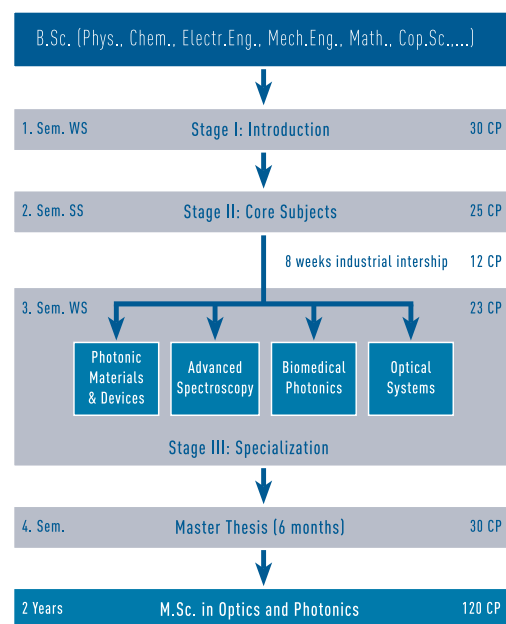
M.Sc. Program in Photonics at Universität Jena

## M.Sc. in Optics & Photonics

The program is divided into four stages providing you as a student with the necessary prerequisites (Stage I: Introduction), to give you a solid background on the most important topics within the wide and diverse field of Optics & Photonics (Stage II: Core Subjects) and let you acquire specialized knowledge in one of the four deepening courses (Stage III: Specialization) to be able to competently perform a six-month research project on a current topic of research (Stage IV: Masters Thesis). In addition, an 8-weeks industrial internship is scheduled between stages 2 and 3.

The Karlsruhe School of Optics & Photonics (KSOP) was founded in November 2006 as the first graduate school in Optics & Photonics in the German "Excellence Initiative" at the Universität Karlsruhe (TH). KSOP focuses on four research areas: Photonic Materials & Devices, Advanced Spectroscopy, Biomedical Photonics, Optical Systems.

KSOP Coordinator: Prof. Dr. Ulrich Lemmer  
 Light Technology Institute (LTI)  
 Universität Karlsruhe (TH)



M.Sc. Program Optics & Photonics at Universität Karlsruhe (TH)

### Application:

**M.Sc. in Optics & Photonics**  
 Universität Karlsruhe (TH)

Intake: Winter term each year

Application deadline: 15 July each year  
 (Year 2008: extended to 30 September)

Application for admission and scholarships:  
[www.ksop.de](http://www.ksop.de)

### More information:

Dr.-Ing. Judith Elsner  
 Karlsruhe School of Optics & Photonics  
 Universität Karlsruhe (TH)  
 Schlossplatz 19 | 76131 Karlsruhe | Germany  
 Phone: +49 (0)721 608 7880  
[info@ksop.de](mailto:info@ksop.de) | [www.ksop.de](http://www.ksop.de)

### Application:

**M.Sc. in Photonics**  
 Friedrich-Schiller-Universität Jena

Intake: Winter term each year

Application deadline: 15 July each year  
 (Year 2008: extended to 30 September)

Application for admission and scholarships:  
[www.asp.uni-jena.de](http://www.asp.uni-jena.de)

### More information:

Prof. Dr. Thomas Pertsch  
 Abbe School of Photonics  
 Friedrich-Schiller-Universität Jena  
 Max Wien Platz 1 | 07743 Jena | Germany  
 Phone: +49 (0)3641 947 960  
[info-asp@uni-jena.de](mailto:info-asp@uni-jena.de) | [www.asp.uni-jena.de](http://www.asp.uni-jena.de)