

Studies with excellent prospects

- innovative courses of study
- practice-oriented curriculum

Study successfully

- small study groups
- close contact with university lectures

Fit for the job

- THCONNECT – Career Fair
- Business start-up consultation

Ideal location

- City railway station on campus
- Only 30 minutes to Berlin City

Postal address

Technische Hochschule Wildau
Hochschulring 1, 15745 Wildau

Student advisory service

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Enrollment and Examinations

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Family friendly university

- Studying with a child
- Daycare for children in our kindergarten
- Individual help and support in all life situations

Campus life

- On campus student housing
- Sports, culture and festivals

University in top form

- A wide range of health and prevention
- Consultant and physician for preventive measures provide advice and information on campus
- Health and campaign days during the semester

International Office

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State Funding for Students in Germany and student housing

www.studentenwerk-potsdam.de
Funding: bafog@studentenwerk-potsdam.de

Housing: wohnen@studentenwerk-potsdam.de



» Master's programme «



Faculty of Engineering and Natural Sciences

PHOTONICS

MASTER OF ENGINEERING

Joint Master's programme of the University of Applied Sciences Wildau and the University of Applied Sciences Brandenburg

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Master's Programme direct studies

Photonics is about the generation, control and detection of light particles (photons), a fascinating quantum state of nature. It is an interdisciplinary field with a growing connection between optics and electronics. It enables lasers, quantum computers, autonomous driving, high-speed data transmission, augmented reality displays, lighting, sensor and camera systems, health and environmental diagnostics, etc. The course imparts the necessary knowledge and skills, ranging from fundamental physics to high-end laser, plasma, bio-, optoelectronics and quantum technologies.

- Full-time
- Part-time

Duration of studies

- 4 semesters (full-time study)

Degree

- Master of Engineering (M. Eng.)
- Master of Science (in cooperation with the University Tor Vergata Rome)

Application / Admission

Graduates must have completed at least a six-semester bachelor's degree programme in Engineering of the University of Applied Sciences Wildau or other related programmes at other universities. The academic relevance is to be proven on the basis of the examination results.



Study programme page

Partners in practice (selection)

- ASML Berlin GmbH
- Bundesdruckerei (Federal Printing Office)
- Leibnitz Institute for Innovative Microelectronics (IHP)
- Fraunhofer PYCO
- EPIGAP Optronic GmbH
- FAP Plasmatechnik GmbH
- STG
- Sentech Instruments GmbH
- Optotransmitter Umweltschutz Technologie e.V.
- Resintec GmbH
- Crystal GmbH
- xolo GmbH

Career prospects

The fields of application of photonics and thus the career prospects for graduates of the master's programme are exceptionally diverse and include: Information and communication technology, optoelectronics, materials processing, manufacturing technology, instrumentation technology, measurement technology, semiconductor industry, print technologies, biotechnology and medical technology, environmental, sensor and microsystems technology, aerospace technology, automotive industry.

Contact

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Application deadline: September 30
(exclusively for the winter semester)

We do recommend an early application by July 15.

"In the study of photonics - the teaching of light particles - you experience applied research and enjoy the good, almost family-like community with students and professors. Due to the close connection to the technology park in Adlershof, you can make many contacts with companies and lay the foundation for your professional future already during your studies."

Ruben S., Student

"Studying photonics in Wildau means an applied and practical education in one of the currently most important physical research and industrial areas. In addition to the excellent education, the family environment on the beautiful campus in Wildau, which is connected to the capital, has convinced me."

Nadine O., Student, 4th semester

"In the study programme, all subareas of photonics and the additional elective subjects are addressed in a very comprehensible way. I chose the degree programme because of the forward-looking technical orientation, which in retrospect was a very good decision."

Matthias E., Graduate

Technical Optics
Quantum Technologies
Laser Material Processing
Business & Management
Structure of Matter
Optical Measurement and Analysis
Optics Design **Laser Technology**
Applied Photonics Mathematics
Atomic, nuclear and solid state physics
Micro Technologies

What to expect?

Apply and enroll now!
en.th-wildau.de/study/application