



REASONS TO STUDY AT PADERBORN UNIVERSITY



INTELLIGENTLY
NETWORKED
NETWORKED
INTELLIGENTLY



Waiting for the Webinar? Click here:
<http://www.upb.de/e-paper/intelligentlynetworked/>



UNIVERSITÄT PADERBORN
Die Universität der Informationsgesellschaft

EVERYTHING UNDER ONE ROOF

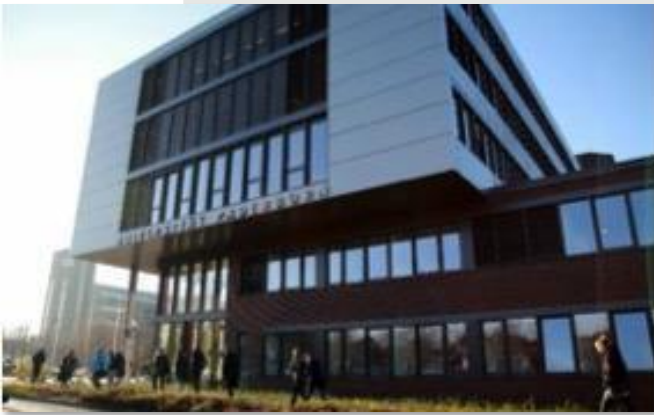


Website

Visit our **website**: <http://www.uni-paderborn.de>



LEARNING IN A MODERN ENVIRONMENT



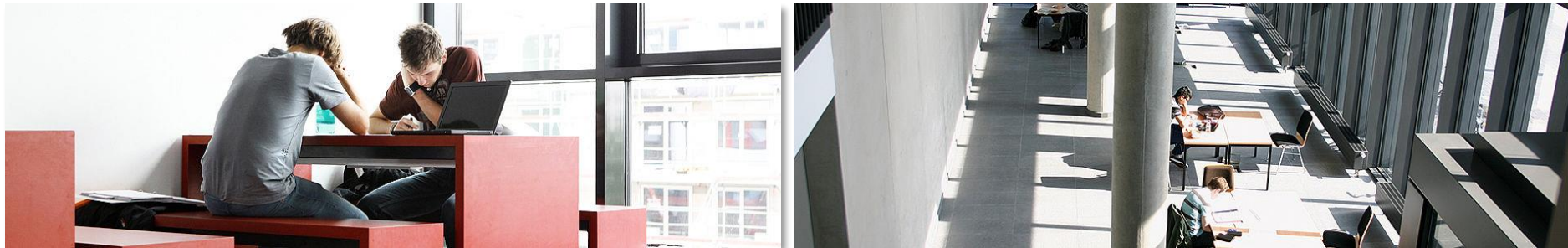
University App





UNIVERSITÄT PADERBORN
Die Universität der Informationsgesellschaft

EXCELLENT QUALITY AT LOW COST



Campus Mgt App





STUDENT FACILITIES



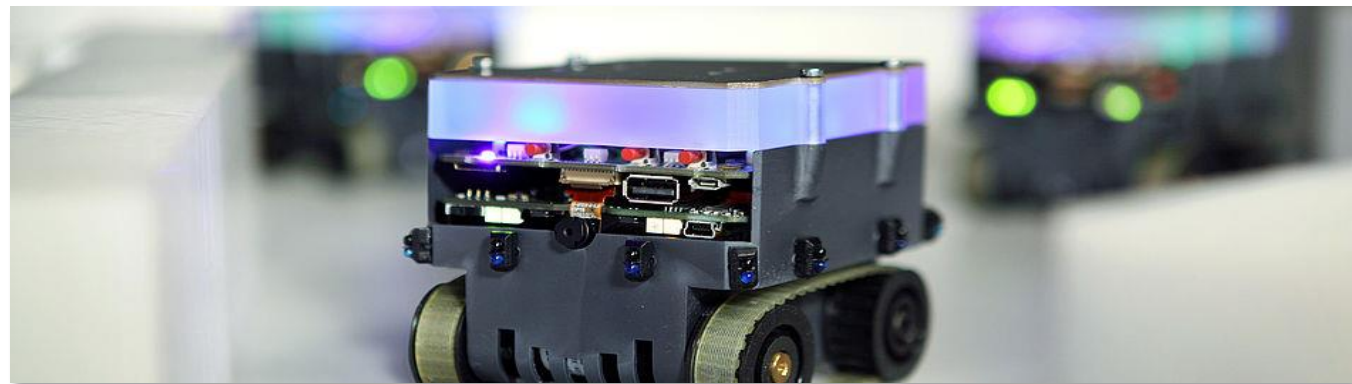
Student Facilities



Visit our **Facilities:** <http://www.studentenwerk-pb.de/en/home/>



A GOOD PLACE TO WORK



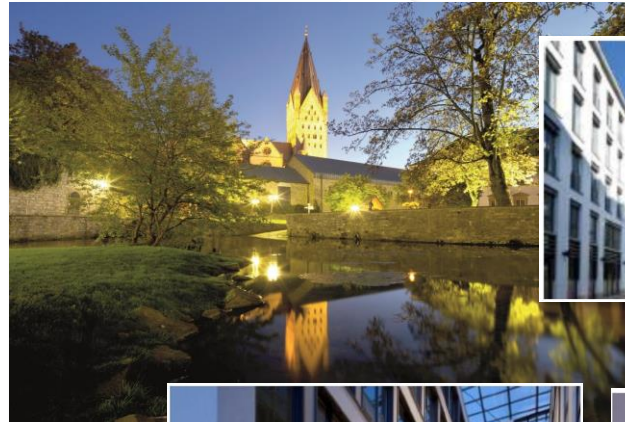
InRegio Project



Meet the Region: www.facebook.com/inregio



A GOOD PLACE TO LIVE



Paderborn



Meet Paderborn: <https://www.paderborn.de/>



PERSONAL CONSULTATION AND SUPPORT



Visit our **website**: <http://go.upb.de/international>

Contact us: <http://go.upb.de/ContactDegreeStudents>

Follow us on **Facebook**: www.facebook.com/io.unipb

Our University's **brochure**:

<http://www.upb.de/e-paper/intelligentlynetworked/>



Meet us on Facebook



OUR INTERNATIONAL MASTER PROGRAMS

COMPUTER AND TECHNOLOGY

Computer Science
Computer Engineering
Electrical Systems
Engineering

NATURAL SCIENCES

Physics
Optoelectronics & Photonics
Materials Science
Applied Neurosciences in Sports & Exercise

ECONOMICS

International Economics and Management

CULTURAL SCIENCES

English and American Studies



Visit our english master: <http://go.upb.de/InternationalPrograms>

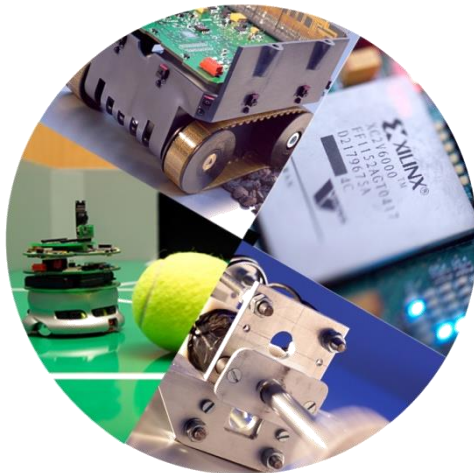


MASTER PROGRAMS IN ENGINEERING AND COMPUTER SCIENCE

M. SC. COMPUTER SCIENCE

M. SC. COMPUTER ENGINEERING

M. SC. ELECTRICAL SYSTEMS ENGINEERING



- **Duration:** 2 years (4 semesters)
- **Teaching Language:** 100% English
- **Course of instructions:** 100% English
- **Assessment:**
 - ✓ Exercises
 - ✓ Practical coursework
 - ✓ Examinations
 - ✓ Master's thesis





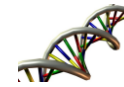
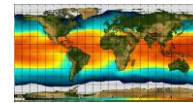
CAREER OPPORTUNITIES COMPUTER SCIENCE



... timely and entertaining infotainment



... robots in production, service, entertainment, search & rescue



... breakthroughs in Science and Engineering



... networked and secure business



... modern and energy-efficient mobility



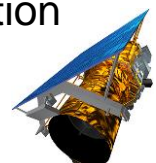
... progress in medicine



... novel forms of communication and interaction



... exploration of space





COMPUTER SCIENCE

Entry requirements:

**Bachelor's degree in
In computer science** or related
Subject.

Your final grade in this program
should be 3.0 or better (according to
the German marking system)

English language proficiency

Further information:

study-advice.cs@upb.de





WHAT IS COMPUTER ENGINEERING?

Construction, analysis and evaluation of computers and computer-controlled systems

- such systems consist of **hardware AND software**
- knowledge and skills from **Electrical Engineering AND Computer Science** required
- key discipline of information technology with great demand for graduates

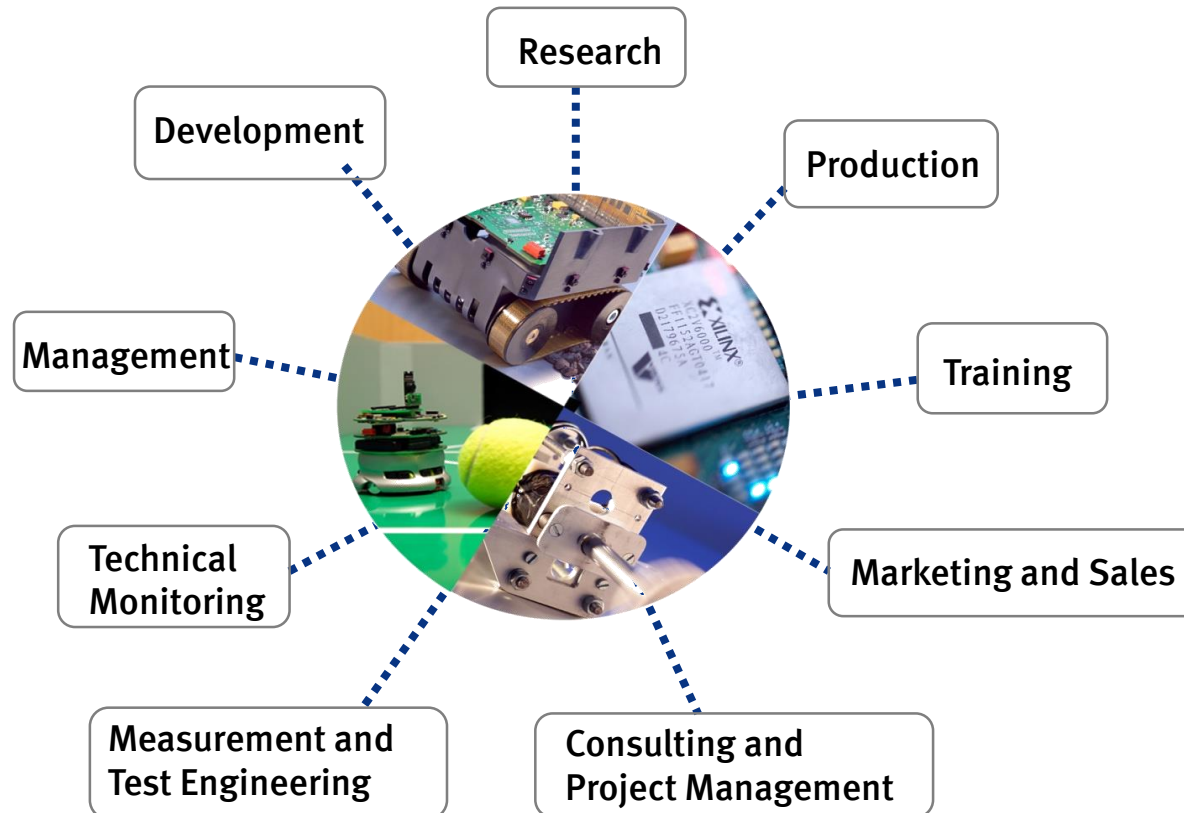
Computer Science | **Computer Engineering** | Electrical Engineering

Bachelor 
Master  

Bachelor 
Master  

Bachelor 
Master  

CAREER OPPORTUNITIES COMPUTER ENGINEERING





COMPUTER ENGINEERING

Entry requirements:

Bachelor's degree in
in **computer engineering** or
related subject

English language proficiency

GRE Revised General Test

Further information:

study-advice.ce@upb.de



CAREER OPPORTUNITIES ESE



Control software for
telescopes



Green energy



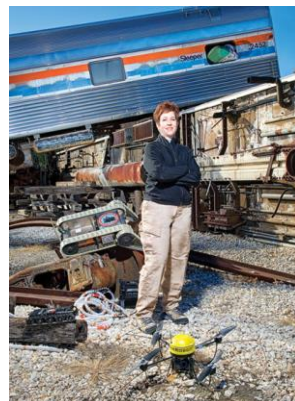
Motorcycles



Automation



Telecommunication



Rescue robots



Virtual Reality



Audio engineer



ELECTRICAL SYSTEMS ENGINEERING

Entry requirements:

Bachelor's degree in
in **electrical engineering** or
related Subject.

Your final **grade** in this program
should be **2.5** or better

English language proficiency

GRE Revised General Test

Further information:

study-advice.es@upb.de



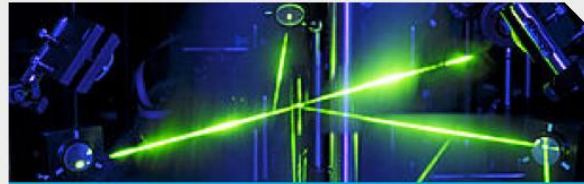


English master programs in Natural Science OVERVIEW



Physics

The international Master Program of Physics provides a general, thorough, research-oriented scientific education. Specialisation fields are theoretical and experimental physics with focus on materials science and/or optoelectronics.



Optoelectronics and Photonics

The Optoelectronics & Photonics Master combines selected course content from the scientific Physics Masters with current topics in Electrical Engineering. This interdisciplinary concept provides a targeted training of young academics for the field of optical technologies.



Materials Science

The Master program Materials Science combines the competences of materials physics, materials chemistry as well as process engineering in an interdisciplinary union. Profound knowledge is gained in order to process functional materials for new applications.

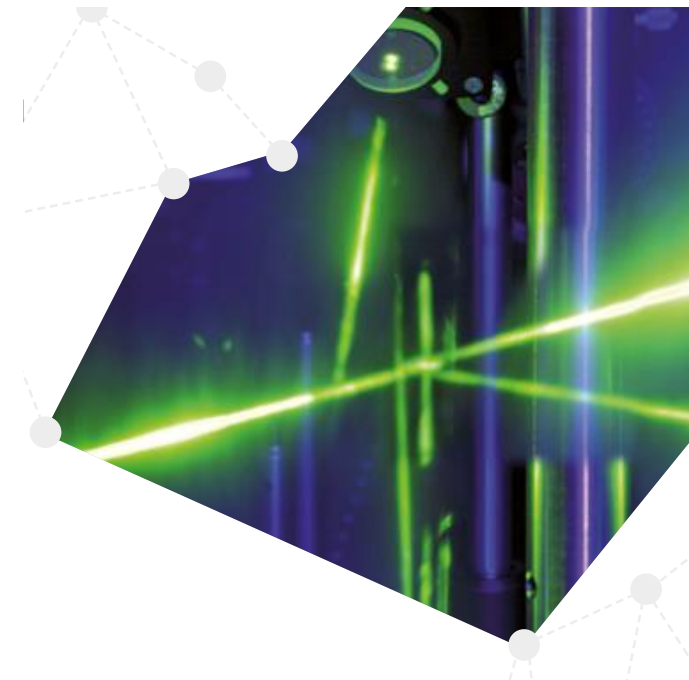




M. SC. OPTOELECTRONICS & PHOTONICS

Key Data:

- 2-year Masters program
- **Interdisciplinary** specialization in optoelectronics and photonics
- No tuition fees
- Application deadline: May 31 2017
- Start date: October 2017





M. SC. OPTOELECTRONICS & PHOTONICS

We offer:

- **targeted training in optical technologies** through interdisciplinary course program
- Master projects in internationally active research groups
- **smooth progression towards PhD** studies
- **career perspectives in optics** industry

Entry requirements:

- Bachelor's degree in physics or engineering (incl. quantum theory)
- english language skills

Further information:

<http://photonics.upb.de>

info@photonics.upb.de

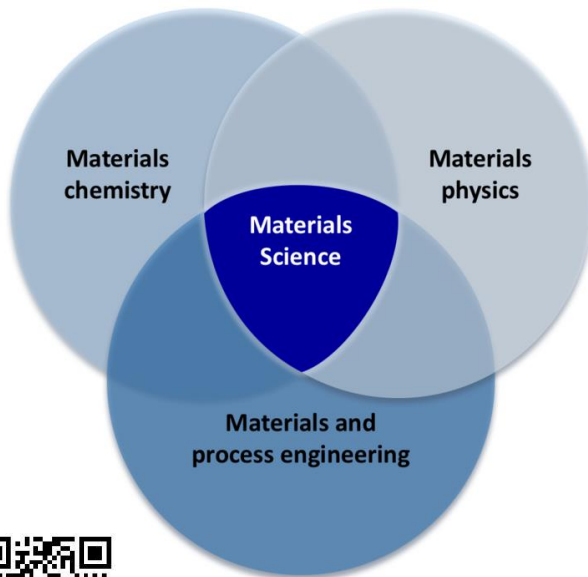




M. SC. MATERIALS SCIENCE

Interdisciplinary study-course: **Chemistry, Physics and Engineering**

Fundamental expertise in:



Promotion of **material and product development** in interdisciplinary teams of **scientists, IT experts and engineers**

Job perspectives:

- Automobile industry
- Energy sector
- Electronics industry
- Medical technology
- Universities
- Research institutes

Fundamental skills in:





M. SC. MATERIALS SCIENCE

Entry requirements:

Bachelor's degree in
**Chemistry, Physics, Materials
science**

Under certain constraints:
B. Sc. in Mechanical/Electrical
engineering, related disciplines

English language proficiency

Further information:

www.upb.de/materials





Applied Neurosciences in Sports & Exercise (M.Sc.)



Target group

Are you interested in the specific and promising combination of neuroscience and sports & exercise?

Are you interested in **applied research** that transfers basic knowledge to **therapy and performance enhancement**?





Applied Neurosciences in Sports & Exercise (M.Sc.)



Prerequisites

You are holding a **bachelor degree** in the field of **sports sciences, neurosciences, healthcare sciences** or **physical therapy**.

You have proficiency of the English language at level **B2**.





Applied Neurosciences in Sports & Exercise (M.Sc.)



Basic information

- 2-year fulltime (120 ECTS)
- Teaching language English
- Program starts every Winter semester (Oct.)
 - No tuition fees
- Application Deadline May 31st
 - Further information:
www.upb.de/anse





M. SC. INTERNATIONAL ECONOMICS & MANAGEMENT

Entry requirements:

Formal entry requirements

Content in **economics, management, math, statistics** + overall grade (see web-page for details)

English Language Proficiency
German Language proficiency for graduation (level A2) but not for admission

If less than 30 ECTS are missing, transitional enrollment possible





M. Sc. IEM – CAREER PROFILES

Focus „**International Management**“:

Middle and senior management positions in international companies; positions with strategic areas of responsibility

Focus „**International Organization**“

E.g. positions at the IMF, OECD, World Bank, UN, national and international agencies, ministries, central banks, EU, ...

Focus „**NGOs**“

Focus „**Research**“:

Positions in research institutes, national and international organizations, central banks, ...



APPLY!

Via Uni Assist (for winter/summer term)

31 May 2017
(Start Oct. 2017)

30 Nov 2017
(Start Apr. 2018)

Computer Science
Computer Engineering

Via Uni Assist (for winter term only)

31 May 2017
(Start Oct. 2017)

Electrical Systems
Engineering

Optoelectronics &
Photonics

Materials Science

Applied Neurosciences in
Sports & Exercise

At the International Office

15 Sep 2017
(Start Apr. 2018)

15 Mar 2018
(Start Oct. 2018)

International Economics
and Management

Physics

English and American
Studies

<http://go.upb.de/application>





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Our University's **brochure**:

<http://www.upb.de/e-paper/intelligentlynetworked/>



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