



# 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

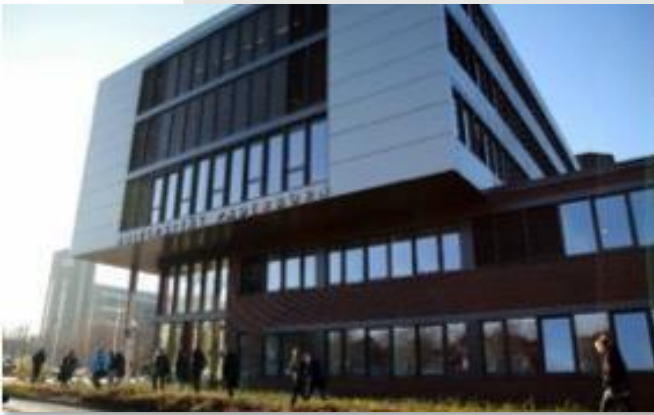


Website

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



# LEARNING IN A MODERN ENVIRONMENT

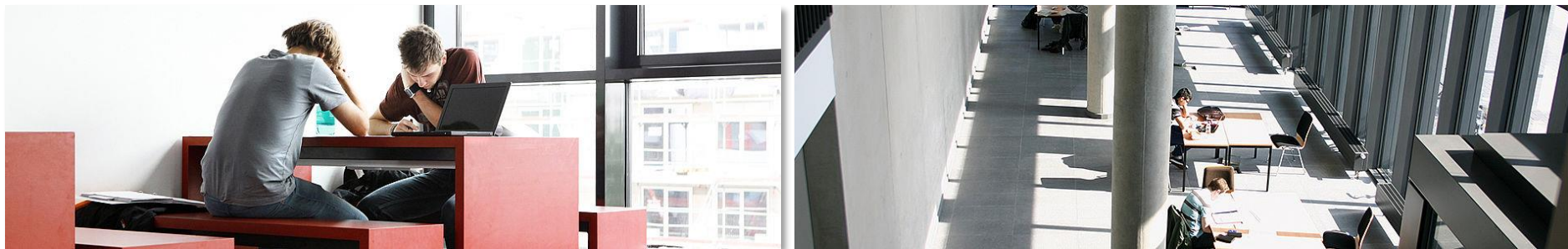


University App





## EXCELLENT QUALITY AT LOW COST



Campus Mgt App





## STUDENT FACILITIES

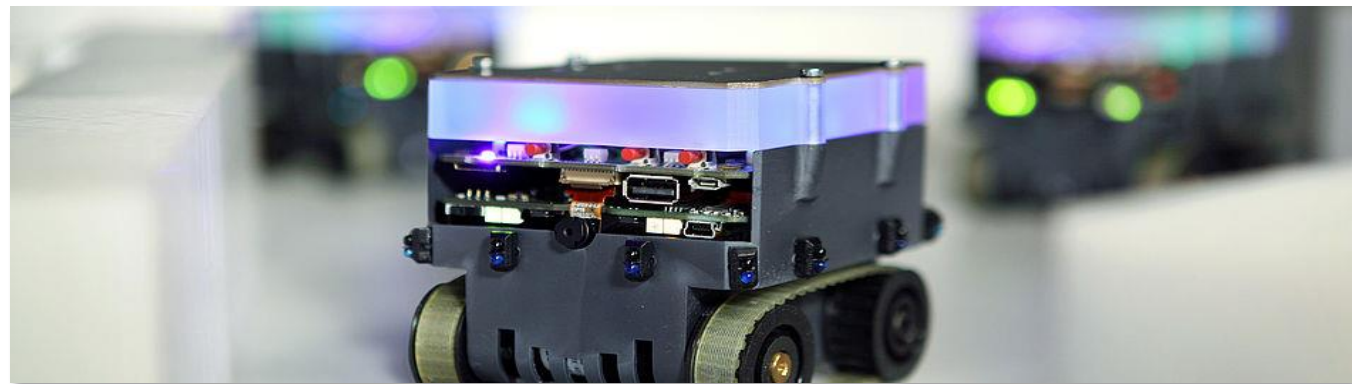


Student Facilities

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



## A GOOD PLACE TO WORK



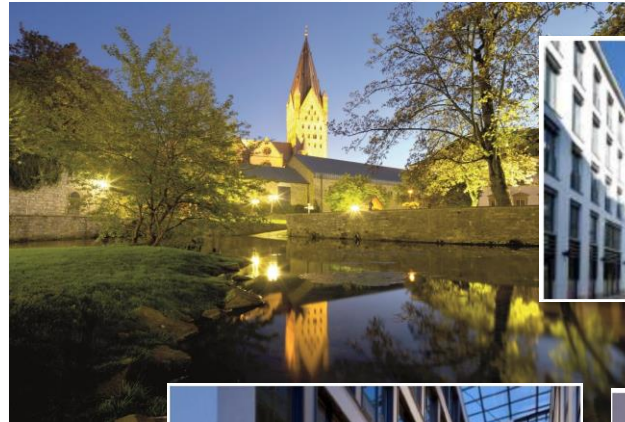
InRegio Project



Meet the Region: [www.facebook.com/inregio](https://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](http://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>

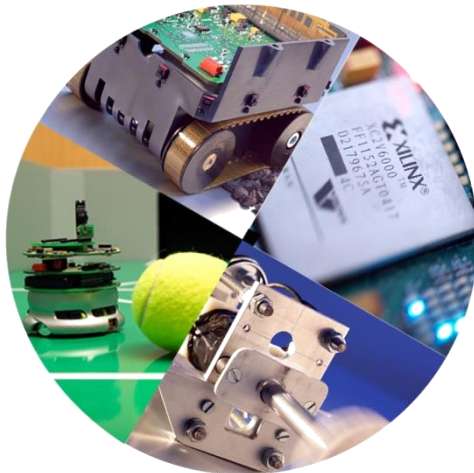


# MASTER PROGRAMS IN ENGINEERING AND COMPUTER SCIENCE

**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



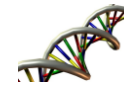
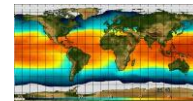
# CAREER OPPORTUNITIES COMPUTER SCIENCE



... 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



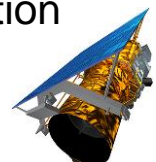
... progress in medicine



... 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](mailto: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

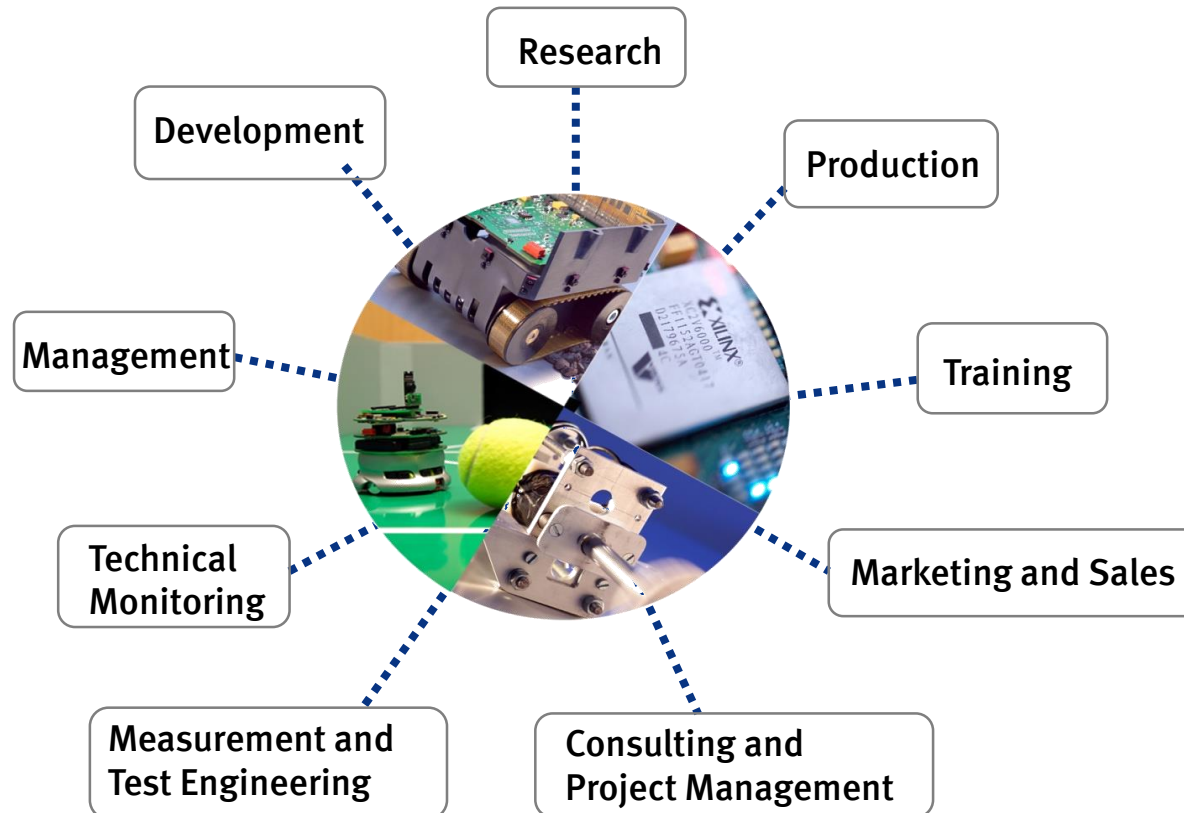
Bachelor   
Master  

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](mailto: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](mailto:study-advice.es@upb.de)**



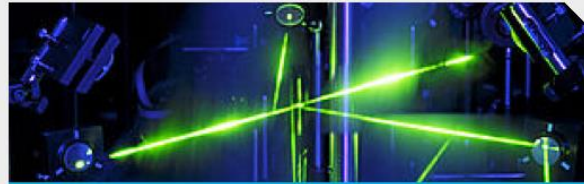


# English master programs in Natural Science OVERVIEW



## 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.

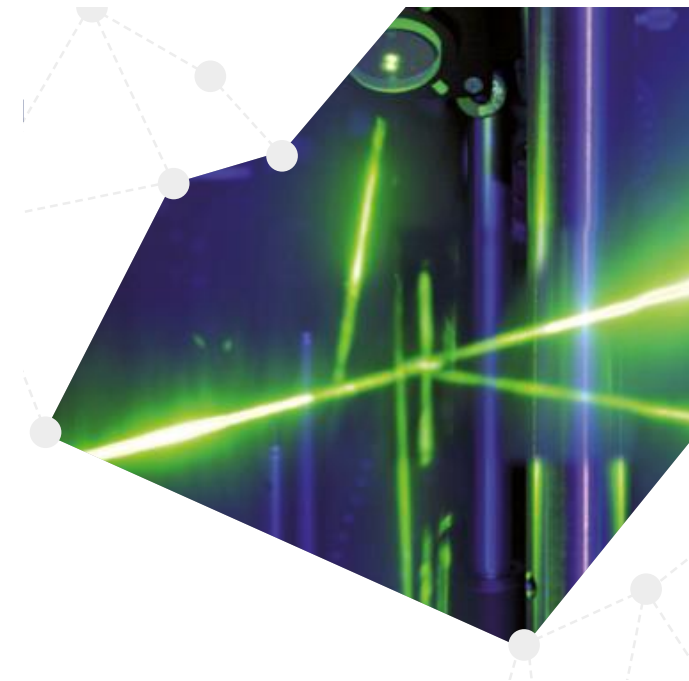




## M. SC. OPTOELECTRONICS & PHOTONICS

### 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](mailto:info@photonics.upb.de)

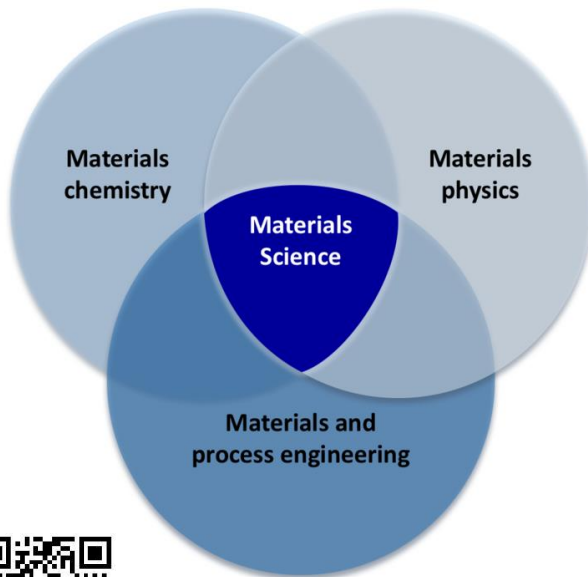




# M. SC. MATERIALS SCIENCE

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](http://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 31<sup>st</sup>

- Further information:

**[www.upb.de/anse](http://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>





## PERSONAL CONSULTATION AND SUPPORT



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Follow us on **Facebook**: [www.facebook.com/io.unipb](http://www.facebook.com/io.unipb)

Our University's **brochure**:

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



Meet us on Facebook