



**The Bavarian Universities of Applied Sciences
(UAS)**

Prof. Dr. Walter Schober
22. June 2018

Key Facts



20 universities of applied sciences (UAS)

- 119,000 students
 - Bachelor: 101.000
 - Master: 17.000
 - Doctoral Students: 900
- 600 degree programmes
- 1,800 partner universities
- 11,000 international students
- 2,900 full professorships



Impressions



Profile



UAS – Smart partners for regional impact and development

Undergraduate Studies

- Applied Study Programmes
- Bachelor and Master Programmes



Applied Research

- Applied research in public programmes and with industrial partners



Transfer

- Innovation for partners in business and society



Professional Programmes

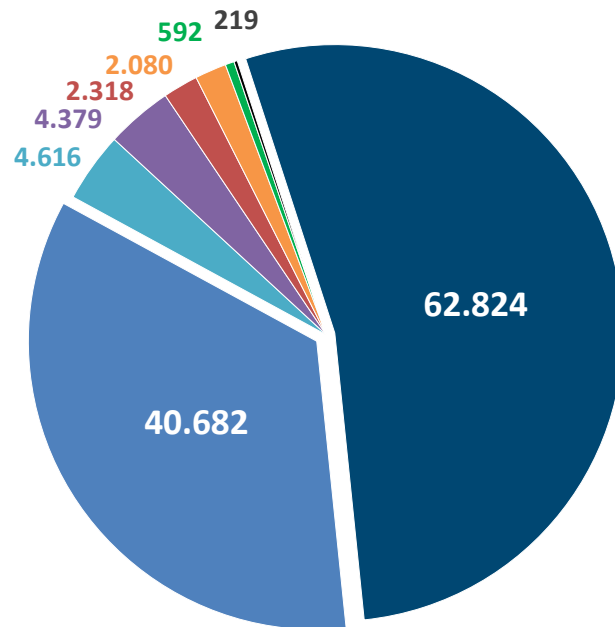
- Bachelor and Master programmes for professionals
- Part-Time-Programmes



Study Programmes



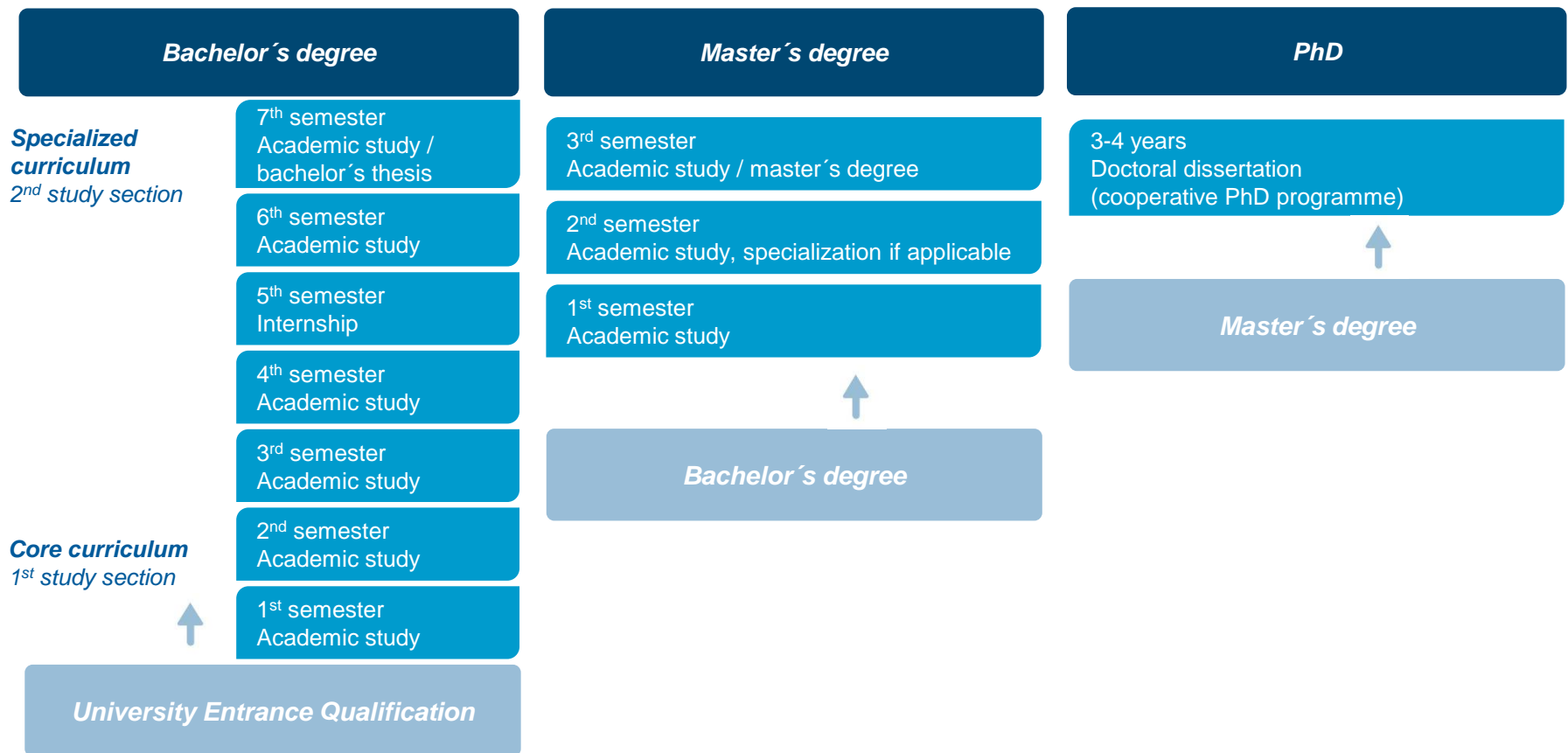
Subjects and Number of Students



SUBJECT	STUDENTS
Engineering Sciences	62.824
Law, Economics and Social Sciences	40.682
Health Sciences and Human Medizin	4.616
Agricultural, Forest and Nutritional Sciences, Veterinary Medicine	4.379
Mathematics, Natural Sciences	2.318
Art, Art Theory	2.080
Humanities	592
Sport Sciences	219



Study Programmes



Dual Study Programmes



Dual Study Programmes

- Alternating phases of academic studies with intensive in-company training
- Smooth transition from studies to professional career
- **Hochschule dual** as coordinator for Bavarian Region

7.250
Students

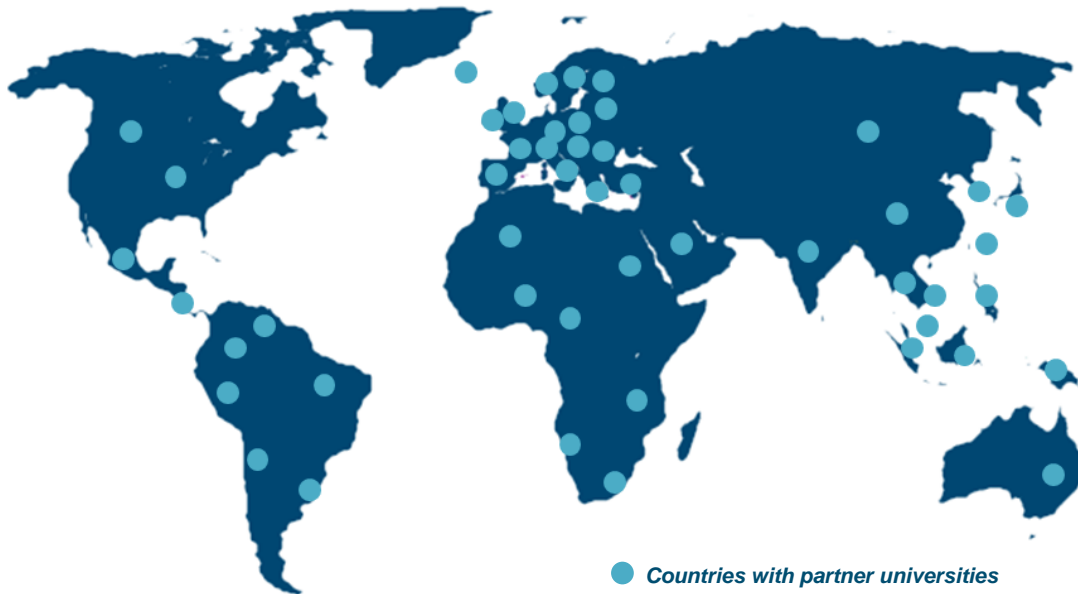
1.400
Companies

220
Study
Programmes

hochschule
d u a l
Eine Initiative von Hochschule Bayern e.V.



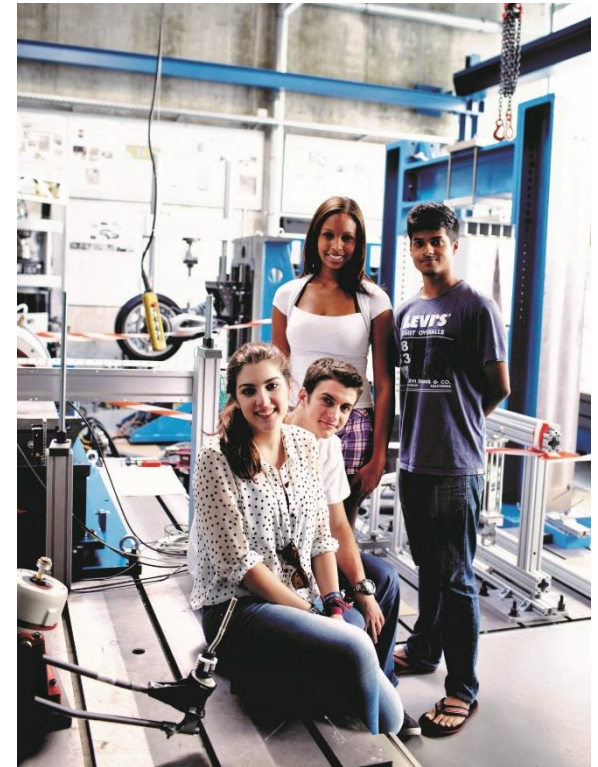
International



11.000
International
Students

1.800
Partner
Universities

1/3 of Graduates
with International
Experience



UAS and Czech Universities



- **European Joint-Degree-Program**
Social Work and Social Economics (SOWOSEC)



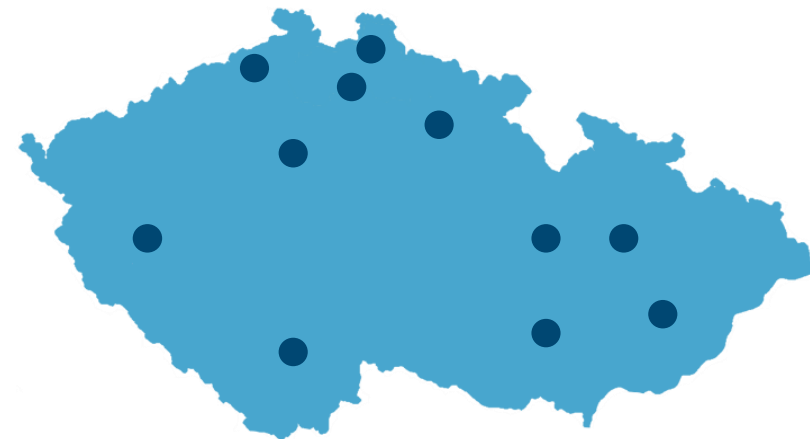
- **Double Degree**
Business Administration (B.A.)



Strategic and International Management (M.A.)



- **International Dual Study Programme**
Company Academic Students Training (CAST)



**26 Partner
Universities**

Applied Research



Applied Research & Development

- More than 100 Mio. € research volume p.a.
- More than 1.000 partner companies

Partner Companies in Research & Development



Applied Research



Research Areas

- Research in relevant fields of industry and society
- Transfer of technology and knowledge to industrial partners and networks
- Preferred partner in research of SME

Doctorate Programmes

- Doctorate programmes in cooperation with research universities

BayWISS
Bayerisches Wissenschaftsforum



Applied Research



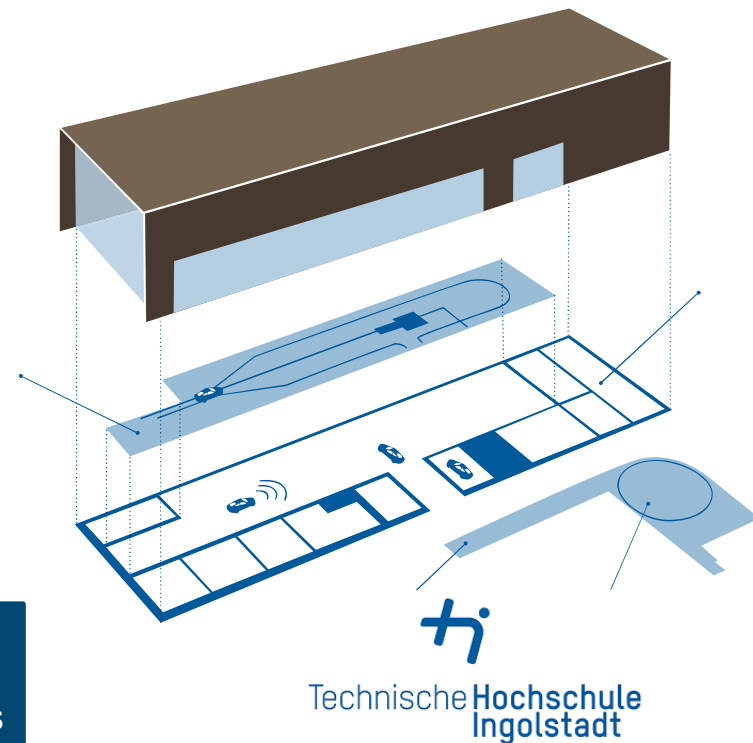
Example: Research Center CARISSMA Technische Hochschule Ingolstadt

- Center of Automotive Research on Integrated Safety Systems and Measurement Area
- Focus on the joint implementation of an innovative Global Safety System to increase traffic safety significantly
- Cooperation with the automotive industry, scientists and research facilities all over the world

**4.000 m²
floor space**

**12.500 m²
open-air testing
space**

**85 researchers
and test engineers**



Applied Research

Example: ERDF Project Ostbayerische Technische Hochschule Regensburg

Challenge:

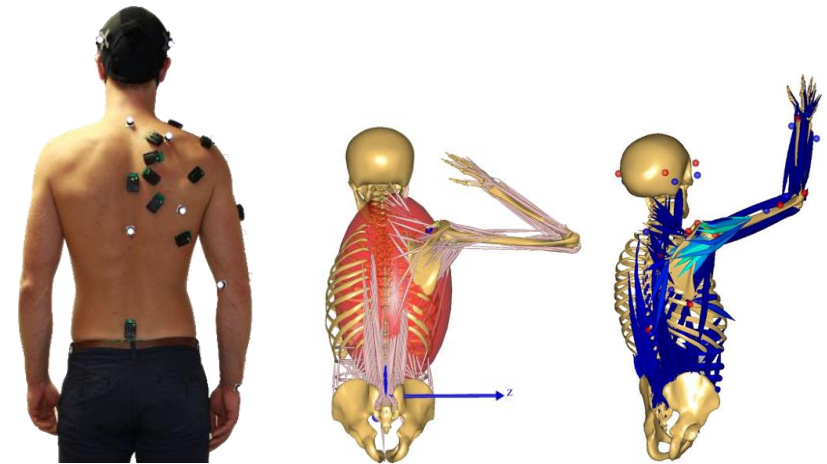
Shoulder degenerations and injuries are increasingly in the focus of medial treatment - especially with our aging society - but are complex and difficult to diagnose

Goal:

Novel, simulation-driven diagnostic tools for shoulder degenerations

Duration:

01.10.2016 - 30.09.2019



Research Alliances with Czech Universities

Joint Research Projects

TheCos

Development of reliable supply chain production for creation of supporting structures made of fibre composites.



Discharge Sensor

New sensors for Partial Discharge Measurement on Rotating Machines.



Common Research Platforms

FSTORE

Creation of a common platform for joint research and exchange on flow batteries.



Redox-Flow System


Research and exchange on Redox-Flow Systems.



Transfer



Third mission of UAS: Research-based transfer of ideas, knowledge and technology

- Funding initiative  **Innovative Hochschule**
- Budget up to 1,5 - 2 Mio. EUR p.a.
- Nationwide 118 proposals from 168 institutions, funding of 48 project
- Superior success of UAS



Contact



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