

Introduction - Frankfurt University of Applied Sciences

INTEC Project – Partnership Meeting

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Frankfurt University of Applied Sciences

Faculty 2: Computer Science and Engineering



Frankfurt UAS at a Glance

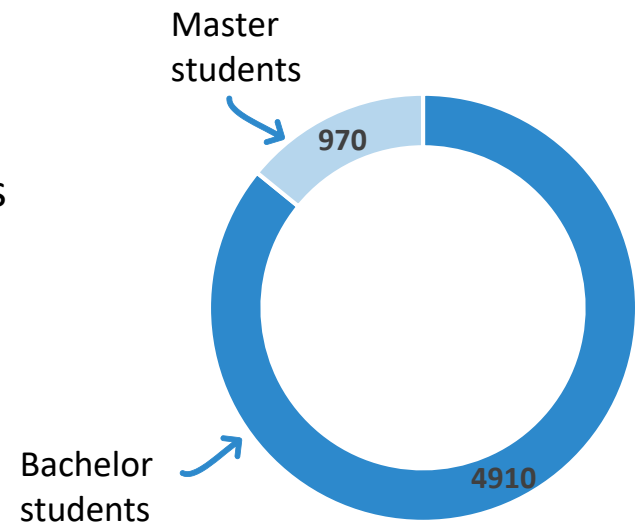


- More than 15,360 students from over 120 nations
- Four faculties, 77 degree programs, 294 faculty members, 864 Employees
- Fields of study: Architecture | Civil Engineering | Computer Science | Mechanical Engineering | Electrical Engineering | Business Administration and Business Law | Nursing and Social Work
- 200 partner universities in 51 countries on six continents
- Host for international (research) conferences

Faculty 2: Computer Science and Engineering



- Largest faculty at Frankfurt UAS
- 14 Bachelor's and 10 Master's degree programs
- Around 6,000 students and more than 80 lecturers
- **Teaching units:**
 - Computer Science
 - Electrical Engineering
 - Mechanical Engineering



Faculty 2: Bachelor's degree programs

Electrical Engineering	Mechanical Engineering	Computer Science
<ul style="list-style-type: none"> • Electrical Engineering and Information Technology (B.Eng.) • Mechatronics (B.Eng.) 	<ul style="list-style-type: none"> • Applied Biosciences (B.Sc.) • Bioprocess Engineering (B.Eng.) • Industrial Engineering Online (B.Eng.) • Mechanical Engineering (B.Eng.) • Mechanical Engineering Online (B.Eng.) • Product Development and Technical Design (B.Eng.) • Service Engineering (B.Eng.) 	<ul style="list-style-type: none"> • Business Information Systems (B.Sc.) • Computer Science (B.Sc.) • Computer Science - Mobile Applications (B.Sc.) • Engineering Business Information Systems (B.Sc.) • International Business Information Systems (B.Sc.)

Faculty 2: Master's Degree Programs

Electrical Engineering	Mechanical Engineering	Computer Science
<ul style="list-style-type: none"> • Information Technology (M.Eng.) • Mechatronics and Automotive Engineering (M.Sc.) • Mechatronics and Robotics (M.Sc.) • Renewable Energy (M.Eng.) 	<ul style="list-style-type: none"> • Biological/Environmental Process Engineering (M.Eng.) • General Mechanical Engineering (M.Eng.) 	<ul style="list-style-type: none"> • Business Information Systems (M.Sc.) • General Computer Science (M.Sc.) • High Integrity Systems (M.Sc.) • Inclusive Design Intelligent Systems (M.Sc.)

Practical Teaching and Learning



36 laboratories and workshops at Faculty 2, e.g. for

- Automation Technology,
- CAD/CAE/CAM,
- Computer Engineering,
- Fuel Cell Technology,
- I.C. Engines and modern Powertrains
- Vehicle Engineering and NVH
- High Frequency Technology,
- Materials Science,
- Mixed Reality...

Application-Oriented Research



- Diverse **research fields**, including Biomechanics | Human-Technology Interaction | Information and Communication Technologies | Nanotechnology | Number Theory | Renewable Energies | Vacuum and Coating Technology | Modern Powertrains and Mobility ...

→ **Our goal:** Conveying abstract research findings into practical application

- **PhD Center** for Applied Computer Science
 - Joint institution of Darmstadt University of Applied Sciences, Frankfurt UAS, Fulda University of Applied Sciences and RheinMain University of Applied Sciences
 - Platform for combining research strength

International Network



- **International cooperation** with universities worldwide, such as Metropolia University of Applied Sciences (Finland) or Rajagiri School of Engineering and Technology (India)
- **Double degrees** with the Universidad de Cádiz, Spain (Mechanical Engineering) and Deakin University, Australia (Business Information Systems)
- **Doctorates** in cooperation with international partners, for example the University of Huddersfield (UK) or the Universidad de Cádiz (Spain)



Project Team - INTEC



**Prof. Bhavin
Kapadia**

Sustainability and
modern Powertrains

Project Lead, Trainer

**Prof. Stefan
Dominico**

Bachelors Program
Leader, Structures
and Vehicle Safety

Trainer

**Christoph
Rosenbusch**

Head of Department
– Quality
Management,
Strategy and
Planning

Quality and Ethics
board, Lead WP3
and WP 10

Katja Leißner

Project Manager

Evaluation Service

**Franziska
Reichenbach**

Administration

Project
Administration and
Financial overview

Laboratories



I.C. Engines Lab



Vehicle Engineering Lab