

GISMA

BUSINESS  
SCHOOL

# BEng

## Software Engineering

From the next addictive app, or complex global organisation internal networking, this degree will allow you to advance to the next level.



**Our full-time bachelor's degree programme in Software Engineering will provide you with a broad spectrum of engineering competencies in the areas of analysis, specification, design, implementation, testing, maintenance, and documentation of software systems.**

As a GISMA student, you will acquire the necessary knowledge and skills for a successful career in any industry or company that depends on software and related processes, models, and tools, including project management.

### **Why study at GISMA?**

GISMA Business School is a state recognised University of Applied Sciences which also benefits from AMBA accreditation which was awarded for our Global MBA, an honour shared by only 6 business schools in Germany and 2% of all business schools worldwide. The prestigious AMBA accreditation represents innovation and excellence in education, which is core to our values at GISMA.

### **What you will learn?**

Our Bachelors of Engineering (BEng)Software Engineering degree programme is a dynamic and diverse programme that covers many of the key areas of this specialism, from software design and modelling to cyber security and big data, that you will need to graduate with the knowledge, skills, and practical experience to begin your career in the field.

### **How will you study?**

GISMA Business School supports flexible and individual learning by applying a systematic hybrid learning scheme.

You will spend part of your lectures in class at our Potsdam campus. These face-to-face phases are complemented by e-learning sessions. You will work on cases, reflect on readings, take part in online discussions, and participate in group exercises and projects. This variety of learning methods is part of our unique teaching strategy, which includes student-centred pedagogy, project-based learning, collaborative learning, and personalised coaching.

### **Career progression**

Software engineering opens up a world of career opportunities, across a wide range of industries and business sectors and will allow you to forge your own path into specialisms and potential career options within various sectors. This degree equips you with technical IT abilities that may be applied to a variety of IT and web-based jobs ranging from application developer to web designer.

- Applications developer
- Game developer
- Information systems manager
- IT consultant
- Programmer
- Web developer
- Software engineer

Our dedicated Career Centre will help students fulfil their career goals through a variety of specialised services and establishes long-lasting relationships with alumni and employers.

### Course modules

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#### Subject Specific Competencies

- Introduction to Programming
- Data Structures & Algorithms
- Databases & Big Data
- Computer Science Lab
- Advanced Algorithms
- Advanced Programming
- App & Web Development
- Computer Networks
- Software Design and Modelling
- Software Testing
- Operating Systems
- Cyber Security

#### General Business Competencies

- Digital Transformation and Cases
- Sustainability Management
- Project Management
- Innovation Management in a Digital and Globalised World

#### Action and Intercultural Competencies

- Creative Problem Solving and Strategy Development
- Foreign Language
- Study Abroad or Career Development Semester\*
- Internship

#### Scientific and Methods Competencies

- Mathematical Foundations
- Statistics
- Academic Writing and Research Methods
- Bachelor Thesis

#### Career Development Semester

- End-to-End Software Engineering Project
- Software & AI
- Business Start-up Simulation
- App & Web Development Studio









**Campus:** GISMA Potsdam campus  
**Study mode:** Full-time  
**Start date:** Jan, Apr, Jun, Sept 2023  
**Duration:** 36 months

**Qualifications**

- General university entrance qualification
- English proficiency: B2 (IELTS 5.5) or equivalent
- Non-EU applicants must conduct an entrance test

**Application documents**

- CV
- Passport copy (can be identity card for EU students)
- Letter of motivation
- Proof of university entrance qualification (certified copy; foreign language certificates must be accompanied by a German or English translation)
- Proof of required English language skills

**Pricing**

	Tuition fees 3 Year Programme	Early Bird Discount Offer*
<b>EU &amp; Germany</b>	€ 9,600 / year	25%
<b>International</b>	€ 10,500 / year	25%

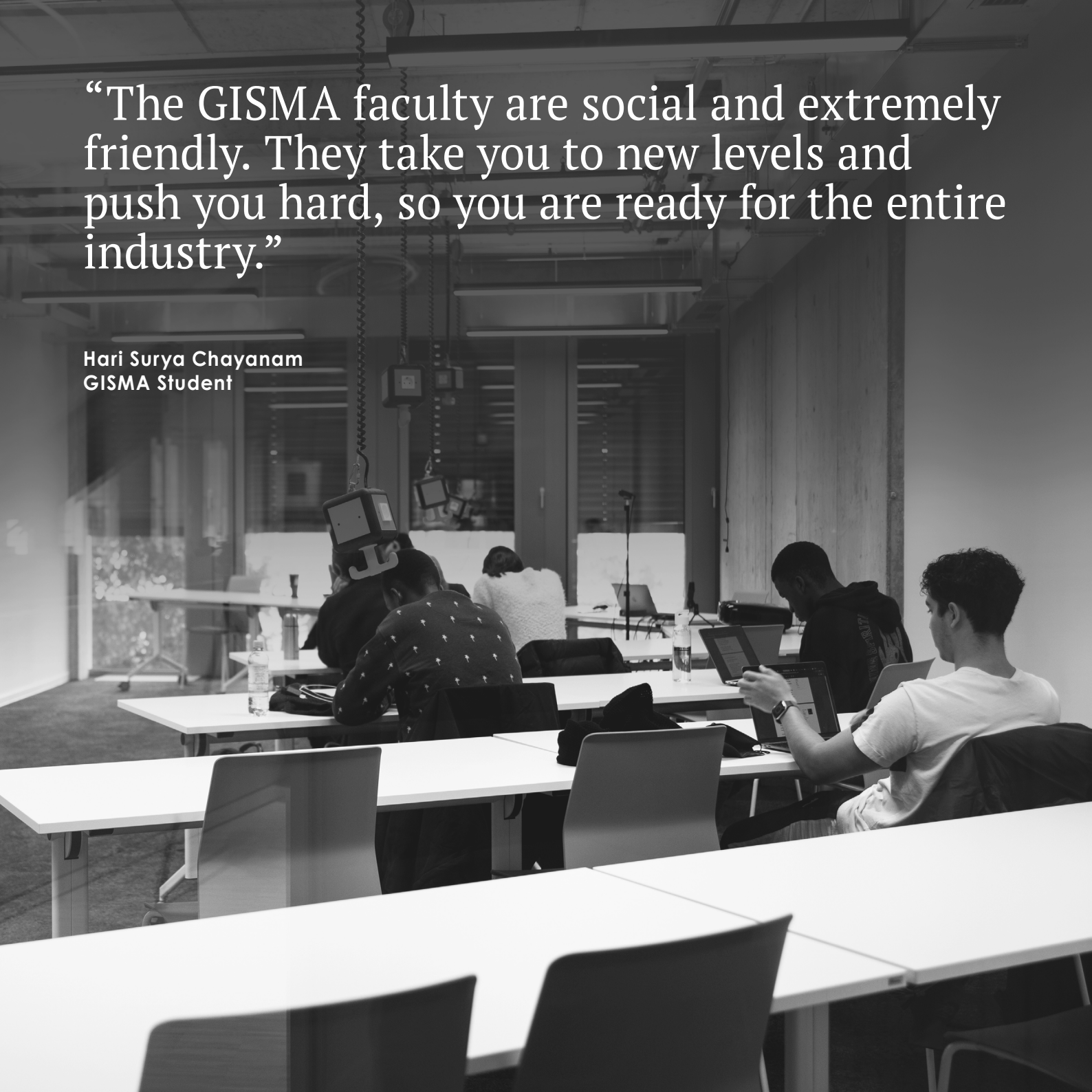
Regional discounts are available for CIS, MENA and LATAM regions.  
Please get in touch for more information.

\*Early bird offer for applications submitted at least 8 weeks before orientation date.



“The GISMA faculty are social and extremely friendly. They take you to new levels and push you hard, so you are ready for the entire industry.”

Hari Surya Chayanam  
GISMA Student



## Get in touch

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