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# BACHELOR (B.SC.) BUSINESS & IT

Almost all economic processes are closely linked to IT systems. As a result of the ongoing global digitisation, the demand for IT specialists with top business management skills is constantly rising. Opportunities are continually opening up for roles in software development, business analysis, process management, IT consulting and more—requiring professionals with both technical and business knowledge to fill them.

The IU Bachelor in Business and IT prepares you with contents specifically for such roles. During your studies you will acquire IT expertise, such as in requirements engineering or in the field of data modelling and database systems, and comprehensive business management knowledge. You'll get to know all key aspects of business and master the ability to recognise technological potential and to use it optimally for any company's success. Your bachelor's degree in Business and IT will provide you with interdisciplinary know-how, turning you into a highly employable candidate on the job market after graduation.



## Degree

Bachelor of Science (B.Sc.)



## Study start

Online: Anytime

On Campus: Each Oct, Jan, Apr or Jun



## Study model available

Online, or On Campus



## Duration

Online: 36, 48, or 72 months

On Campus: 36 months



## Credits

180 ECTS



## Ultimate flexibility

Our On Campus model means that...

- You can start your degree online for distance learning while taking care of visa issues and join us later in Germany to experience campus life. You say which semester you want to spend on campus or online.
- You want to go on a trip during your studies? No problem. You can study online at your own pace without missing any classes.



## Fees

Online: From €75 per month

On Campus: From €449 per month

## Study Content

PRESENCE TIMEFRAME	MODULE TITLE	SEMESTER	CREDITS (ECTS)	TEST TYPE
		<b>1</b>		
Oct/Nov/Dec	Introduction to Computer Science		5 ECTS	E
Oct/Nov/Dec	Object-oriented Programming with Java		5 ECTS	E
Oct/Nov/Dec	Management Accounting		5 ECTS	E/WAWA
Jan/Feb/Mar	Mathematics I		5 ECTS	E
Jan/Feb/Mar	Statistics: Probability and Descriptive Statistics		5 ECTS	E
Jan/Feb/Mar	Collaborative Work		5 ECTS	OA
		<b>2</b>		
Apr/May/June	Data structures and Java class library		5 ECTS	E
Apr/May/June	Business 101		5 ECTS	E/WAWA
Apr/May/June	Web Application Development		5 ECTS	WB
June/July/Aug	Programming Information Systems with Java EE		5 ECTS	E
June/July/Aug	Principles of Management		5 ECTS	WACS
June/July/Aug	Introduction to Academic Work		5 ECTS	WB
		<b>3</b>		
Oct/Nov/Dec	Requirements Engineering		5 ECTS	E
Oct/Nov/Dec	Database Modeling and Database Systems		5 ECTS	WACS
Oct/Nov/Dec	Intercultural and Ethical Decision-Making		5 ECTS	WACS
Jan/Feb/Mar	International Marketing		5 ECTS	E
Jan/Feb/Mar	Fundamentals of IT and ERP systems		5 ECTS	E
Jan/Feb/Mar	Project: Software Engineering		5 ECTS	WAPR
		<b>4</b>		
Apr/May/June	IT Project Management		5 ECTS	E
Apr/May/June	Introduction to Process Management		5 ECTS	E/WAWA
Apr/May/June	Data Analytics and Big Data		5 ECTS	WACS
June/July/Aug	Corporate Finance and Investment		5 ECTS	WAWA
June/July/Aug	Software Quality Assurance		5 ECTS	E
June/July/Aug	Seminar: Software Engineering		5 ECTS	WARE
		<b>5</b>		
Oct/Nov/Dec	Digital Business Models		5 ECTS	E
Oct/Nov/Dec	Organizational Behavior		5 ECTS	WACS
Oct/Nov/Dec	Purchasing, Procurement and Distribution		5 ECTS	E
Jan/Feb/Mar	IT Law		5 ECTS	WACS
Online	Elective A		10 ECTS	
		<b>6</b>		
Online	Electives B & C		20 ECTS	
Online	Bachelor Thesis		10 ECTS	WABT & PC

E = Exam, OA = Oral assignment, PC = Presentation: Colloquium, WB = Workbook, WABT = Written assessment: Bachelor thesis, WACS = Written assessment: Case study, WAMT = Written assessment: Master thesis, WAPR = Written assessment: Project report, WARE = Written assessment: Research essay, WAWA = Written assessment: Written assignment, OPR = Oral project report

## CHOOSE YOUR ELECTIVES

### Electives A:

- Big Data and Cloud Technologies
- Business Intelligence
- Data Engineer
- Foundations of Programming with Python
- IT Security
- IT Service Management
- Java and Web Development
- Logic and Artificial Intelligence
- Mobile Software Engineering
- Salesforce Platform Development

### Electives B:

- Applied Sales
- Smart Factory
- Smart Services
- Supply Chain Management

### Electives C:

- Applied Sales
- Big Data and Cloud Technologies
- Business Intelligence
- Data Engineer
- Foundations of Programming with Python
- IT Security
- IT Service Management
- Java and Web Development
- Logic and Artificial Intelligence
- Mobile Software Engineering
- Salesforce Platform Development
- Smart Factory
- Smart Services
- Supply Chain Management

Choose one specialisation from each block.

## WHAT YOU'LL LEARN

- Acquire IT expertise, such as in requirements engineering or in the field of data modelling and database systems.
- Get comprehensive business management knowledge.
- Get to know all key aspects of business and master the ability to recognise technological potential and to use it optimally for any company's success.

## CAREER

As an expert in Business and IT, you can find a position that is at the interface between concept, design, implementation, and maintenance of technical topics. From start-ups to large international companies, you will ensure all IT systems run efficiently and reliably, and all information is transferred securely. You might even use your business and technical skills to start your own project as an entrepreneur.