

www.iu.org

MASTER (M.SC.) BUSINESS AND IT

The single most important factor for the success and growth of international trade and job growth is information technology, which allows businesses to share information and conduct trade in the palm of their hand. Their knowledge is considered the most important resource in the industry and is increasingly in demand, which is why it is necessary to continuously develop sustainable concepts. This distance learning programme in Business and IT relates primarily to the fields of computer science and Business administration and it is designed to provide you with the current industry knowledge. It is available as a 60 ECTS and 120 ECTS programme. This M.Sc. Business and IT programme follows the 4-pillar model recommended by the German Informatics Society.



Degree

Master of Science (M.Sc.)



Electives

In the Business and IT 120 ECTS online programme, you can choose electives worth 20 ECTS and focus on interesting practical areas. In the Business and IT 60 ECTS online programme, you can choose one elective worth 10 ECTS and focus on interesting practical areas.



Study model and accreditation

- Online
- German accredited institution, recognised by ZFU (German Central Office for Distance Learning)



Study start and duration

Official start date 120 ECTS: 01.09.2023 *

Official start date 60 ECTS: 01.03.2024 *

Afterwards: Anytime

Duration 120 ECTS: 24, 36, 48 months

Duration 60 ECTS: 12, 18, 24 months



Credits

60 and 120 ECTS

*This programme is still in the process of accreditation and recognition. We expect approval from the relevant ministry by the programme's official start date. So far, all IU programmes have been accredited and approved successfully and on time.

Curriculum (60 or 120 ECTS)

MODULE TITLE	SEMESTER	CREDITS (ECTS)	TEST TYPE
60 ECTS			
Applied Research	1	5 ECTS	WAWA
Process Management		5 ECTS	E
Operational Application Systems		5 ECTS	WACS
Digital Business Models		5 ECTS	E/WACS
Information and Knowledge Management		5 ECTS	E
Cyber Security and Data Protection		5 ECTS	OA
Seminar: Societal Challenges in Digitalization	2	5 ECTS	WARE
Electives		10 ECTS	
Master Thesis & Colloquium		15 ECTS	

MODULE TITLE	SEMESTER	CREDITS (ECTS)	TEST TYPE
120 ECTS			
Global Supply Chain Management	1	5 ECTS	E
Information and Knowledge Management		5 ECTS	E
Requirements Management		5 ECTS	E
Advanced Research Methods		5 ECTS	WAWA
Innovation and Entrepreneurship		5 ECTS	E
Data Science		5 ECTS	E
Customer Relationship Marketing	2	5 ECTS	E
Artificial Intelligence		5 ECTS	E
Seminar: Societal Challenges in Digitalization		5 ECTS	WARE
Internet of Things		5 ECTS	E
Management of IT Services and Architecture		5 ECTS	E
Big Data Technologies		5 ECTS	OA
Project: Cloud Service Concept Study	3	5 ECTS	WAPR
Seminar Current Topics in IT-Management		5 ECTS	WARE
Electives A		10 ECTS	
Electives B		10 ECTS	
Master Thesis & Colloquium	4	30 ECTS	

CHOOSE YOUR ELECTIVES

Choose one elective from

“Electives ” list:

- Agile Software Development Techniques and Methods
- Cloud Computing
- Digital Health
- Digital Insurance
- E-Commerce
- Introduction to Data Science and AI
- Management of Requirements, IT Services, and Architecture
- Salesforce Consultant Specialization
- Salesforce Developer Specialization
- Strategic Marketing and Branding
- Supply Chain and Sourcing Management
- UI/UX Expert

Choose two electives from

“Elective A+B” list:

- Agile Software Development Techniques and Methods
- Applied Online Project Management
- Business Intelligence
- Cloud Computing
- Cyber Criminality
- Cybersecurity
- Data Engineer
- Digital Health
- Digital Insurance
- E-Commerce
- IT Governance and Compliance
- IT Law
- Mobile Software Engineering
- Organizational and Human Resources Development
- Process Management and Operational Application Systems
- Salesforce Consultant Specialization
- Salesforce Developer Specialization
- Salesforce Sales Specialization
- UI/UX Expert

ELECTIVES

CLOUD COMPUTING

Our Cloud Computing course teaches you the fundamental skills needed to design and deploy dynamically scalable and dependable applications on popular cloud platform providers, as well as key architectural principles. You'll talk about the notion that many technological developments, like artificial intelligence (AI), require a lot of computing power and data storage. Also covered in detail are well-known cloud services like serverless computing and storage.

DIGITAL INSURANCE

This elective course will teach you more about the history of Big Data and its applications in the insurance industry. The goal is to be able to assess and apply data mining and big data management techniques. You will be given an overview of current technological trends, as well as tools to design your own digitalization in an innovative and holistic manner and shown how to effectively implement it in your insurance company. As part of your thorough examination of the technology-first business model, you'll also learn how to manage digital innovation in the insurance industry.

CAREER OUTLOOK

Information technologies continue to transform the way we live and work. In fact, businesses today cannot function without them, and numerous complex business challenges find solutions in IT. This master's degree in Business and IT strikes the ideal balance between business management and information technology. You will gain a keen understanding of complex business processes and organizations as well as in-depth familiarity with current information systems and the technologies that support them. With this degree, you will be able to assist businesses in becoming smarter through the use of innovative IT-based solutions. You will enter the business and IT industries as a project manager, application/IT consultant, knowledge manager, or IT/systems architect, to name a few.

ADMISSION

We try to keep admission as simple as possible at IU. To successfully enrol, there are just a few requirements we need you to prove.

GENERAL ADMISSION REQUIREMENTS 120 ECTS

- Completed, undergraduate degree with 180 ECTS in **business administration or computer science**
- Your degree must be from a state or state-recognised higher education institution/university
- You must have achieved a final grade of at least "satisfactory" or Grade C equivalent in your previous undergraduate degree

GENERAL ADMISSION REQUIREMENTS 60 ECTS

- Completed undergraduate degree with 240 ECTS.
- Your degree must be from a state or state-recognised higher education institution/university
- You must have achieved a final grade of at least "satisfactory" or Grade C equivalent in your previous undergraduate degree
- Proof of at least one year's professional work experience completed prior to the start of study programme. Work experience must have been gained after completion of your undergraduate studies

WORK EXPERIENCE

For the **60 ECTS** programme:

- Proof of at least one year's qualified work experience completed prior to the start of the study programme (the work experience must be gained after the completion of your undergraduate studies).
- Don't have a year's worth of qualified work experience? Don't worry! With the Scholarship Programm, you can start your studies right away, and gain your professional experience alongside your studies. You'll need to achieve the one year's worth of experience before you complete your Scholarship Programme.
- You can provide us a translation of your employment contract and your pay slip or you can ask your company to fill out this form in English, sign it, apply the company stamp and send it to us.



8 STEPS TO COMPLETE YOUR STUDIES

ADDITIONAL SPECIALIST KNOWLEDGE

For admission, proof of knowledge of at least **one programming language** must be demonstrated. For applicants who do not meet this requirement, modules from the university's bachelor's degree programmes are offered as bridging courses for free.

FURTHER ADMISSION OPPORTUNITIES

Depending on your previous education, the following entry options are applicable for the **60-ECTS Master's degree**:

- undergraduate degree with 210 ECTS: you can bridge the gap of 30 ECTS with the proof of one-year qualified work experience
- undergraduate degree with 180 ECTS: you can bridge the gap of 60 ECTS with the proof of two years qualified work experience

Recognition of knowledge and abilities acquired outside of higher education is possible in principle.

Is your undergraduate degree not in the required subject field for this programme's 120 ECTS points variation admission requirements? You can still apply! You'll have to take 2 specific courses at the start of your studies and pass them successfully in order to continue with your studies. That way, you don't have to take an entrance examination, and can prove your skills while earning ECTS points as part of your studies.

SCHOLARSHIP PROGRAMME

Start your online degree with our Scholarship Programme and receive a scholarship up to 67%!

Start in our Scholarship Programme as a participant with immediate access to 50% of your courses. You can do this by taking our Entrance Examination which will be included in your course as part of the Scholarship Programme. Once you have handed in all admission documents and the courses are completed, you can go on to finish your degree.

Questions? Speak to your study advisor, they will guide you through every step of the process.

ENGLISH LANGUAGE SKILLS

We therefore ask for proof of your English language skills*. If English is your native language or you graduated from an English-speaking school/university, you don't need to prove your English skills.

Accepted certifications:

- English Courses (complimentary when signing up with IU)**
- TOEFL (min. 80 points) or
- IELTS (min. Level 6.0 out of 9 points) or
- Duolingo English test (min. 95 points) or
- Cambridge Certificate (min. B grade overall) or
- Equivalent proof

1

Register and apply online

2

Choose your course

3

Download your study scripts

4

Work independently with study scripts

5

Take part in Q&A sessions

6

Prepare for exams and take them either:

- directly online, or
- at an IU examination centre (remember to register in time).

7

Master thesis and colloquium

8

Complete your studies with certificate

*Proof must be provided before the start of the study and must not be older than five years.

**Please note that English Courses aren't accepted as a language certificate for on campus study programmes.