CURRICULUM B.Sc. BUSINESS & IT
myStudies, 180 ECTS Credits

INTERNATIONAL UNIVERSITY OF APPLIED SCIENCES (iu)

Study plan by programme start

Each model has three course columns ("Courses") per block. Elective modules (Elective A / B / C) each comprise two courses.

Month	Model 1: Start October (1)	(2)	(3)	Model 2: Start January (1)	(2)	(3)	Model 3: Start April (1)	(2)	(3)	Model 4: Start July (1)	(2)	(3)
Oct–Dec	Introduction to Computer Science	Object-oriented Programming with Java	Management Accounting									
Jan–Mar	Mathematics I	Statistics - Probability & Descriptive Statistics	Collaborative Work	Mathematics I	Statistics - Probability & Descriptive Statistics	Collaborative Work						
Apr–May	Data Structures and Java Class Library	Business 101	Web Application Development	Introduction to Computer Science	Object-oriented Programming with Java	Management Accounting	Introduction to Computer Science	Object-oriented Programming with Java	Management Accounting			
Jun	Lecture-Free Period											
Jul–Aug	Fundamentals of IT and ERP systems	Principles of Management	Introduction to Academic Work	Fundamentals of IT and ERP systems	Principles of Management	Introduction to Academic Work	Mathematics I	Statistics - Probability & Descriptive Statistics	Collaborative Work	Mathematics I	Statistics - Probability & Descriptive Statistics	Collaborative Work
Sep	Lecture-Free Period											
Oct–Dec	Requirements Engineering	Database Modeling and Database Systems	Intercultural and Ethical Decision-Making	Data Structures and Java Class Library	Business 101	Web Application Development	Data Structures and Java Class Library	Business 101	Web Application Development	Introduction to Computer Science	Object-oriented Programming with Java	Management Accounting
Jan–Mar	International Marketing	Programming Information Systems with Java EE*	Software Quality Assurance	International Marketing	Programming Information Systems with Java EE*	Software Quality Assurance	Fundamentals of IT and ERP systems	Principles of Management	Introduction to Academic Work	Fundamentals of IT and ERP systems	Principles of Management	Introduction to Academic Work
Apr–May	IT Project Management	Introduction to Process Management	Data Analytics and Big Data	IT Project Management	Introduction to Process Management	Data Analytics and Big Data	IT Project Management	Introduction to Process Management	Data Analytics and Big Data	Data Structures and Java Class Library	Business 101	Web Application Development
Jun	Lecture-Free Period											
Jul–Aug	Corporate Finance and Investment	Project: Software Engineering	Seminar: Software Engineering	Corporate Finance and Investment	Project: Software Engineering	Seminar: Software Engineering	Corporate Finance and Investment	Project: Software Engineering	Seminar: Software Engineering	Corporate Finance and Investment	Project: Software Engineering	Seminar: Software Engineering
Sep	Lecture-Free Period											
Oct–Dec	Digital Business Models	Organizational Behavior	Elective A (Course a / Course b)	Requirements Engineering	Database Modeling and Database Systems	Intercultural and Ethical Decision-Making	Requirements Engineering	Database Modeling and Database Systems	Intercultural and Ethical Decision-Making	Requirements Engineering	Database Modeling and Database Systems	Intercultural and Ethical Decision-Making
Jan–Mar	IT Law	Elective B (Course c / Course d)		IT Law	Elective B (Course c / Course d)		International Marketing	Programming Information Systems with Java EE*	Software Quality Assurance	International Marketing	Programming Information Systems with Java EE*	Software Quality Assurance
Apr–May	Purchasing, Procurement and Distribution	Elective C (Course e / Course f)		Purchasing, Procurement and Distribution	Elective C (Course e / Course f)		Purchasing, Procurement and Distribution	Elective C (Course e / Course f)		IT Project Management	Introduction to Process Management	Data Analytics and Big Data
Jun	Lecture-Free Period											
Jul–Aug	Bachelor Thesis			Bachelor Thesis			Bachelor Thesis			Bachelor Thesis		
Sep	Lecture-Free Period											
Oct–Dec				Digital Business Models	Organizational Behavior	Elective A (Course a / Course b)	Digital Business Models	Organizational Behavior	Elective A (Course a / Course b)	Digital Business Models	Organizational Behavior	Elective A (Course a / Course b)
Jan–Mar				IT Law	Elective B (Course c / Course d)		IT Law	Elective B (Course c / Course d)		IT Law	Elective B (Course c / Course d)	
Apr–May							Purchasing, Procurement and Distribution	Elective C (Course e / Course f)		Purchasing, Procurement and Distribution	Elective C (Course e / Course f)	

Here you see the order in which you study your courses in presence depending on your personal study start in October, January, April or July. Each semester consists of two blocks. In each block, you attend classes on campus for usually three courses to deepen the content in direct exchange with your fellow students and lecturers.

You have lecture-free periods in both June and September, which you can spend reviewing and preparing for exams. Attending the courses on campus is mandatory and will be verified due to Visa regulations (not valid for DACH students).

Each block concludes with a two-week exam preparation phase. You can defer those exams to a later date that you do not want to take during this period. This way, your exam phases are always spread evenly over the year. Exceptions to this are courses that count as admission requirements for other courses.

☑ Attention: Attendance times may vary slightly depending on public holidays and the federal state holidays the campus is located in.

☑ If you are studying Model 2, 3 or 4 you will have to start your Bachelor Thesis before completing your final courses.

☑ Note: You can already start with your thesis earlier than the designated block, once you have met the minumum amount of credit points required to enter.

Electives

Elective A~
- Big Data and Cloud Technologies
  - a) Big Data Technologies*
  - b) Cloud Computing
- Business Intelligence
  - a) Business Intelligence
  - b) Project: Business Intelligence
- Data Engineer
  - a) Data Engineering
  - b) Project: Data Engineering
- Foundations of Programming with Python
  - a) Introduction to Programming with Python
  - b) Object Oriented and Functional Programming with Python
- IT Security
  - a) Introduction to Data Protection and Cyber Security
  - b) Cryptography
- IT Service Management
  - a) IT Service Management
  - b) Project: IT Service Management
- Logic and Artificial Intelligence
  - a) Theoretical Computer Science and Mathematical
  - b) Artificial Intelligence
- Mobile Software Engineering
  - a) Mobile Software Engineering I
  - b) Mobile Software Engineering II
- Salesforce Platform Development
  - a) Salesforce Platform App Builder
  - b) Salesforce Platform Developer

Elective B~
- Applied Sales
  - c) Applied Sales I
  - d) Applied Sales II
- Smart Factory
  - c) Smart Factory I
  - d) Smart Factory II
- Smart Services
  - c) Smart Services I
  - d) Smart Services II
- Salesforce Platform Management
  - c) Salesforce Fundamentals
  - d) CRM with Salesforce Service Cloud
- Supply Chain Management
  - c) Supply Chain Management I
  - d) Supply Chain Management II

Elective C~
- Applied Sales
  - e) Applied Sales I
  - f) Applied Sales II
- Business Intelligence
  - e) Business Intelligence
  - f) Project: Business Intelligence
- Data Engineer
  - e) Data Engineering
  - f) Project: Data Engineering
- Foundations of Programming with Python
  - e) Introduction to Programming with Python
  - f) Object Oriented and Functional Programming with Python
- IT Security
  - e) Introduction to Data Protection and Cyber Security
  - f) Cryptography
- IT Service Management
  - e) IT Service Management
  - f) Project: IT Service Management
- Logic and Artificial Intelligence
  - e) Theoretical Computer Science and Mathematical Logic
  - f) Artificial Intelligence
- Mobile Software Engineering
  - e) Mobile Software Engineering I
  - f) Mobile Software Engineering II
- Salesforce Platform Development
  - e) Salesforce Platform App Builder
  - f) Salesforce Platform Developer
- Smart Factory
  - e) Smart Factory I
  - f) Smart Factory II
- Smart Services
  - e) Smart Services I
  - f) Smart Services II
- Supply Chain Management
  - e) Supply Chain Management I
  - f) Supply Chain Management II
- Salesforce Platform Management
  - e) Salesforce Fundamentals
  - f) CRM with Salesforce Service Cloud
- Mastering Prompts
  - e) Artificial Intelligence
  - f) Project: AI Excellence with Creative Prompting Techniques
- Microsoft ERP - Dynamics 365 Business Central - Functional Consultant
  - e) Project: Dynamics 365 Business Central - Financial Company Setup
  - f) Project: Dynamics 365 Business Central - Business Processes with Focus on Sales and Distribution
- SAP - SAP S/4HANA Business Process Integration - Application Associate
  - e) Project: SAP S/4HANA - Financial Company Setup incl. Human Capital Management
  - f) Project: SAP S/4HANA - Business Processes
- Career Development
  - e) Personal Career Plan
  - f) Personal Elevator Pitch
- Internship**
- Studium Generale

Course Information

Module	Course Code	Course	ECTS Credits	Type of Exam
Introduction to Computer Science	DLBCSICS01	Introduction to Computer Science	5	Exam
Object-oriented Programming with Java	DLBCSOOPJ01	Object-oriented Programming with Java	5	Exam
Management Accounting	DLBMAE01	Management Accounting	5	Exam/Written Assessment: Written Assignment
Mathematics I	DLBCSM101	Mathematics I	5	Exam
Statistics: Probability and Descriptive Statistics	DLBDSSPDS01-01	Statistics: Probability and Descriptive Statistics	5	Exam
Collaborative Work	DLBCSCW01	Collaborative Work	5	Oral Assignment
Data Structures and Java Class Library	DLBCSDSJCL01	Data Structures and Java Class Library	5	Exam
Business 101	DLBBAB01_E	Business 101	5	Exam/Written Assessment: Written Assignment
Web Application Development	DLBCSWAD01	Web Application Development	5	Advanced Workbook
Programming Information Systems with Java EE*	IPWA02-01_E	Programming Information Systems with Java EE*	5	Exam
Principles of Management	DLBBAPM01_E	Principles of Management	5	Written Assessment: Case Study
Introduction to Academic Work	DLBCSIAW01	Introduction to Academic Work	5	Basic Workbook
Requirements Engineering	DLBCSRE01	Requirements Engineering	5	Exam
Database Modeling and Database Systems	DLBCSDMDS01	Database Modeling and Database Systems	5	Written Assessment: Case Study
Intercultural and Ethical Decision-Making	DLBCSDM01	Intercultural and Ethical Decision-Making	5	Written Assessment: Case Study
International Marketing	DLBDSEIMB01	International Marketing	5	Exam
Fundamentals of IT and ERP systems	DLBFMGSYS01_E	Fundamentals of IT and ERP systems	5	Exam
Project: Software Engineering	DLBCSPSE01	Project: Software Engineering	5	Written Assessment: Project Report
IT Project Management	DLBCSEITPAM01	IT Project Management	5	Exam
Introduction to Process Management	DLBWIEPMG1_E	Introduction to Process Management	5	Exam/Written Assessment: Written Assignment
Data Analytics and Big Data	DLBINGDABD01_E	Data Analytics and Big Data	5	Written Assessment: Case Study
Corporate Finance and Investment	DLBCFIE01	Corporate Finance and Investment	5	Written Assessment: Written Assignment
Software Quality Assurance	DLBCSSQA01	Software Quality Assurance	5	Exam
Seminar: Software Engineering	ISSE01_E	Seminar: Software Engineering	5	Written Assessment: Research Essay
Digital Business Models	DLBLODB01_E	Digital Business Models	5	Exam/Advanced Workbook
Organizational Behavior	DLBBWOB01_E	Organizational Behavior	5	Written Assessment: Case Study
Purchasing, Procurement and Distribution	DLBLOISCM102_E	Purchasing, Procurement and Distribution	5	Exam
IT Law	DLBCSIITL01	IT Law	5	Written Assessment: Case Study
ELECTIVE A~		e.g. IT Service Management	10	
ELECTIVE B~		e.g. Supply Chain Management	10	
ELECTIVE C~		e.g. Applied Sales	10	
Bachelor Thesis		Bachelor Thesis	9	Bachelor Thesis
		Thesis Defense	1	Presentation: Colloquium

~ Electives: Choose one module with two courses from the Elective A, one module from the Elective B and one module from the Elective C. Every elective module can only be chosen once.

* This course comes with admissions requirements. Please consult the module handbook for more information.

** The elective "Internship" is offered for the first time in October 2022.

Note: Elective modules where the minimum number of participants is not reached will only be offered online (distance learning). However, IU ensures that there are always electives on campus.