

CURRICULUM B.Sc. BUSINESS & IT

myStudies, 180 ECTS

Month	Model 1: Programme Start October			Model 2: Programme Start January			Model 3: Programme Start April			Model 4: Programme Start June		
	Courses			Courses			Courses			Courses		
Oct	Introduction to Computer Science	Object-oriented Programming with Java	Management Accounting	Semester Break								
Nov												
Dec												
Jan	Semester Break											
Feb	Mathematics I	Statistics - Probability & Descriptive Statistics	Collaborative Work	Mathematics I	Statistics - Probability & Descriptive Statistics	Collaborative Work						
Mar	Semester Break											
Apr	Semester Break											
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	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
Jul	Semester Break											
Aug	Semester Break											
Sep	Semester Break											
Oct	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
Nov	Semester Break											
Dec	Semester Break											
Jan	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
Feb	Semester Break											
Mar	Semester Break											
Apr	Semester Break											
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	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
Jul	Semester Break											
Aug	Semester Break											
Sep	Semester Break											
Oct	Digital Business Models	Organizational Behavior	Elective (online)	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
Nov	Semester Break											
Dec	Semester Break											
Jan	IT Law	Elective (online)	Elective (online)	IT Law	Elective (online)	Elective (online)	International Marketing	Programming Information Systems with Java EE	Software Quality Assurance	International Marketing	Programming Information Systems with Java EE	Software Quality Assurance
Feb	Semester Break											
Mar	Semester Break											
Apr	Purchasing, Procurement and Distribution	Elective (online)	Elective (online)	Purchasing, Procurement and Distribution	Elective (online)	Elective (online)	Purchasing, Procurement and Distribution	Elective (online)	Elective (online)	IT Project Management	Introduction to Process Management	Data Analytics and Big Data
May	Elective (online)	Bachelor Thesis		Elective (online)	Bachelor Thesis		Elective (online)	Bachelor Thesis		Elective (online)	Bachelor Thesis	
Jun	Semester Break											
Jul	Semester Break											
Aug	Semester Break											
Sep	Semester Break											
Oct				Digital Business Models	Organizational Behavior	Elective (online)	Digital Business Models	Organizational Behavior	Elective (online)	Digital Business Models	Organizational Behavior	Elective (online)
Nov	Semester Break											
Dec	Semester Break											
Jan	Semester Break											
Feb							IT Law	Elective (online)	Elective (online)	IT Law	Elective (online)	Elective (online)
Mar	Semester Break											
Apr	Semester Break											
May										Purchasing, Procurement and Distribution	Elective (online)	Elective (online)
Jun	Semester Break											

Elective A*

Big Data and Cloud Technologies
 Big Data Technologies
 Cloud Computing
Business Intelligence
 Business Intelligence
 Project: Business Intelligence
Data Engineer
 Data Engineering
 Project: Data Engineering
Foundations of Programming with Python
 Introduction to Programming with Python
 Object Oriented and Functional Programming with Python
IT Security
 Introduction to Data Protection and Cyber Security
 Cryptography

IT Service Management
 IT Service Management
 Project: IT Service Management
Logic and Artificial Intelligence
 Theoretical Computer Science and Mathematical Logic
 Artificial Intelligence
Mobile Software Engineering
 Mobile Software Engineering I
 Mobile Software Engineering II
Salesforce Platform Development
 Salesforce Platform App Builder
 Salesforce Platform Developer

Elective B*

Applied Sales
 Applied Sales I
 Applied Sales II
Smart Factory
 Smart Factory I
 Smart Factory II
Smart Services
 Smart Services I
 Smart Services II
Salesforce Platform Management
 Salesforce Fundamentals
 CRM with Salesforce Service Cloud
Supply Chain Management
 Supply Chain Management I
 Supply Chain Management II

Elective C*

Applied Sales
 Applied Sales I
 Applied Sales II
Business Intelligence
 Business Intelligence
 Project: Business Intelligence
Data Engineer
 Data Engineering
 Project: Data Engineering
Foundations of Programming with Python
 Introduction to Programming with Python
 Object Oriented and Functional Programming with Python
IT Security
 Introduction to Data Protection and Cyber Security
 Cryptography
IT Service Management
 IT Service Management
 Project: IT Service Management
Logic and Artificial Intelligence
 Theoretical Computer Science and Mathematical Logic
 Artificial Intelligence

Mobile Software Engineering
 Mobile Software Engineering I
 Mobile Software Engineering II
Salesforce Platform Development
 Salesforce Platform App Builder
 Salesforce Platform Developer
Smart Factory
 Smart Factory I
 Smart Factory II
Smart Services
 Smart Services I
 Smart Services II
Supply Chain Management
 Supply Chain Management I
 Supply Chain Management II
Salesforce Platform Management
 Salesforce Fundamentals
 CRM with Salesforce Service Cloud
Internship
 Studium Generale

Course Information

Module	Course Code	Course	ECTS	Type of Exam
Introduction to Computer Science	DLBSCIC01	Introduction to Computer Science	5	Exam
Object-oriented Programming with Java	DLBSCOOPJ01	Object-oriented Programming with Java	5	Exam
Management Accounting	DLBMAE01	Management Accounting	5	Exam/Written Assessment: Written Assignment
Mathematics I	DLBSCM101	Mathematics I	5	Exam
Statistics: Probability and Descriptive Statistics	DLBSSPDS01	Statistics: Probability and Descriptive Statistics	5	Exam
Collaborative Work	DLBSCCW01	Collaborative Work	5	Oral Assignment
Data structures and Java class library	DLBSCDSJCL01	Data structures and Java class library	5	Exam
Business 101	DLBBAB01_E	Business 101	5	Exam/Written Assessment: Written Assignment
Web Application Development	DLBSCWAD01	Web Application Development	5	Advanced Workbook
Programming Information Systems with Java EE	IPWA02_E	Programming Information Systems with Java EE	5	Exam
Principles of Management	DLBBAPM01_E	Principles of Management	5	Case Study
Introduction to Academic Work	DLBSCIAW01	Introduction to Academic Work	5	Basic Workbook
Requirements Engineering	DLBSCRE01	Requirements Engineering	5	Exam
Database Modeling and Database Systems	DLBSCDMS01	Database Modeling and Database Systems	5	Case Study
Intercultural and Ethical Decision-Making	DLBSCIDM01	Intercultural and Ethical Decision-Making	5	Case Study
International Marketing	DLBSEIMB01	International Marketing	5	Exam
Fundamentals of IT and ERP systems	DLBFMSYS01_E	Fundamentals of IT and ERP systems	5	Exam
Project: Software Engineering	DLBSCSPSE01	Project: Software Engineering	5	Written Assessment: Project Report
IT Project Management	DLBSCSEITPAM01	IT Project Management	5	Exam
Introduction to Process Management	DLBWIEPM01_E	Introduction to Process Management	5	Exam/Written Assessment: Written Assignment
Data Analytics and Big Data	DLBINGDABD01_E	Data Analytics and Big Data	5	Case Study
Corporate Finance and Investment	DLBCFIE01	Corporate Finance and Investment	5	Written Assignment
Software Quality Assurance	DLBSCSSQA01	Software Quality Assurance	5	Exam
Seminar: Software Engineering	ISSE01_E	Seminar: Software Engineering	5	Research Essay
Digital Business Models	DLBL0DB01_E	Digital Business Models	5	Exam
Organizational Behavior	DLBBWOB01_E	Organizational Behavior	5	Case Study
Purchasing, Procurement and Distribution	DLBLOISCM102_E	Purchasing, Procurement and Distribution	5	Exam
IT Law	DLBCSITL01	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



Here you see the order in which you can study your courses in presence depending on your personal study start in October, January, April or June. IU International University of Applied Sciences offers you the flexibility to switch from campus to online studies or the other way around. You decide which semester you want to spend on campus or online. The above is only valid for DACH students. For INT Students: attending the courses on Campus in presence is mandatory and will be verified due to VISA regulations.

Each study block usually consists of three courses. There are 9 weeks of attendance to deepen the content in direct exchange with fellow students and lecturers. Each block concludes with a two-week exam preparation phase.

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.

* 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.

Note: The Electives are only offered in distance learning (online).