

CURRICULUM B.ENG. INDUSTRIAL ENGINEERING AND MANAGEMENT
DISTANCE LEARNING

Semester			Module	Course Code	Course	ECTS credits	Type of Exam	
FT	PT I	PT II						
1. Semester	1. Semester	1. Semester	Business 101	DLBBAB01_E	Business 101	5	Exam or Written Assignment	
			Introduction to Academic Work	DLBCSIAW01	Introduction to Academic Work	5	Basic Workbook	
			Collaborative Work	DLBCSCW01	Collaborative Work	5	Oral Assignment	
	2. Semester	2. Semester	1. Semester	Introduction to the Internet of Things	DLBINGEIT01_E	Introduction to the Internet of Things	5	Exam
				Fundamentals of Physics	DLBWINGP01_E	Fundamentals of Physics	5	Exam
				Mathematics II	DLBCSM201	Mathematics II	5	Exam
2. Semester	2. Semester	3. Semester	Introduction to Robotics	DLBROI01_E	Introduction to Robotics	5	Exam or Written Assignment	
			International Marketing	DLBDEIMB01	International Marketing	5	Exam	
			Managerial Economics	DLBBWME01_E	Managerial Economics	5	Exam	
	3. Semester	4. Semester	4. Semester	Electrical Engineering	DLBINGET01-01_E	Electrical Engineering	5	Exam
				Production Engineering Industry 4.0	DLBDEIAR01	Production Engineering Industry 4.0	5	Exam
				Sensor Technology	DLBROST01_E	Sensor Technology	5	Exam
3. Semester	5. Semester	5. Semester	Management Accounting	DLBMAE01	Management Accounting	5	Exam or Written Assignment	
			Automation Technology	DLBROEIRA02_E	Automation Technology	5	Exam	
			Technical Drawing	DLBROTD01_E	Technical Drawing	5	Exam	
	4. Semester	6. Semester	6. Semester	Corporate Finance and Investment	DLBCFIE01	Corporate Finance and Investment	5	Written Assignment
				Supply Chain Management I	DLBDESECM01	Supply Chain Management I	5	Exam
				Mechatronic Systems	DLBROMSY01_E	Mechatronic Systems	5	Exam
4. Semester	5. Semester	7. Semester	Entrepreneurship and Innovation	DLBBAE101_E	Entrepreneurship and Innovation	5	Written Assignment	
			Project: Design Thinking	DLBINGDT01_E	Project: Design Thinking	5	Project Report	
			Data Analytics and Big Data	DLBINGDABD01_E	Data Analytics and Big Data	5	Case Study	
	8. Semester	8. Semester	8. Semester	Seminar: Human-Robot Interaction	DLBROSHR01_E	Seminar: Human-Robot Interaction	5	Research Essay
				Agile Project Management	DLBCSAPM01	Agile Project Management	5	Project Report
				Intercultural and Ethical Decision-Making	DLBCSIDM01	Intercultural and Ethical Decision-Making	5	Case Study
5. Semester	9. Semester	9. Semester	Product Development in Industry 4.0	DLBINGPE01_E	Product Development in Industry 4.0	5	Exam	
			Project: Smart Product Solutions	DLBIEPSP01	Project: Smart Product Solutions	5	Oral Project Report	
			ELECTIVE A*		e.g. Smart Devices	10		
6. Semester	10. Semester	10. Semester	ELECTIVE B*		e.g. Project: Hackathon	10		
			ELECTIVE C*		e.g. Smart Factory	10		
	11. Semester	11. Semester	Digital Business Models	DLBLODB01_E	Digital Business Models	5	Exam or Advanced Workbook	
			Principles of Management	DLBBAPM01_E	Principles of Management	5	Case Study	
12. Semester	12. Semester	12. Semester	Bachelor Thesis		Bachelor Thesis Thesis Defense	9 1	Bachelor Thesis Presentation: Colloquium	
Total			180 ECTS credits					

You've already planned out exactly how your course schedule should look? Wonderful! The IU International University of Applied Sciences offers you the flexibility to choose any available module you like from any semester. You can work on a number of modules at the same time or one by one.

At the beginning, choose modules that particularly interest you or that you can use directly in your job. This motivates you and gives you success right from the start.

A module with two courses consists of an introduction and a consolidation. In order to successfully complete a module, you must successfully pass both the introduction and the consolidation of the module within the framework of a module examination.

* Electives: Choose three modules, every elective module can only be chosen once.
 ** "Internship" is only available in **mystudies**

FT: Full-Time, 36 months
 PT I: Part-Time I, 48 months
 PT II: Part-Time II, 72 months

Elective A:	Elective B:	Elective C:
Smart Devices	Practice Project: Industrial Engineering 4.0	Smart Devices
Smart Factory	Project: Hackathon	Smart Factory
Smart Mobility		Smart Mobility
Smart Services		Smart Services
Service Robotics		Microcontroller
Cognitive Robotics		Service Robotics
Autonomous Driving		Cognitive Robotics
Applied Sales		Autonomous Driving
Applied Robotics		Applied Sales
Control Engineering		Applied Robotics
Microcontroller		Control Engineering
Object-oriented Programming		Object-oriented Programming
		Internship**
		Studium Generale
		Mastering Prompts
		Career Development

You can find more information about your degree program in the module handbook on our website.