CURRICULUM B.ENG. INDUSTRIAL ENGINEERING AND MANAGEMENT
DISTANCE LEARNING

IU INTERNATIONAL UNIVERSITY OF APPLIED SCIENCES

Semester (FT / PT I / PT II)	Module	Course Code	Course	ECTS	Type of Exam
1. Sem / 1. Sem / 1. Sem	Mathematics I	DLBCSM101	Mathematics I	5	Exam
	Business 101	DLBBAB01_E	Business 101	5	Written Assignment
	Introduction to Academic Work	DLBCSIAW01	Introduction to Academic Work	5	Workbook
1. Sem / 1. Sem / 2. Sem	Collaborative Work	DLBCSCW01	Collaborative Work	5	Oral Assignment
	Principles of Management	DLBBAPM01_E	Principles of Management	5	Case Study
	Scientific and technical fundamentals	DLBINGNAG01_E	Scientific and technical fundamentals	5	Exam
2. Sem / 2. Sem / 3. Sem	Mathematics II	DLBCSM201	Mathematics II	5	Exam
	Statistics - Probability and Descriptive Statistics	DLBDSSPDS01	Statistics - Probability and Descriptive Statistics	5	Exam
	Managerial Economics	DLBBWME01_E	Managerial Economics	5	Exam
2. Sem / 2. Sem / 4. Sem	Electrical Engineering	DLBINGET01-01_E	Electrical Engineering	5	Exam
	Production Engineering	DLBDSEAR01	Production Engineering	5	Exam
	Object-oriented Programming with Java	DLBCSOOPJ01	Object-oriented Programming with Java	5	Exam
3. Sem / 3. Sem / 5. Sem	Management Accounting	DLBMAE01	Management Accounting	5	Written Assignment
	Intercultural and Ethical Decision-Making	DLBCSIDM01	Intercultural and Ethical Decision-Making	5	Case Study
	Entrepreneurship and Innovation	DLBBAEI01_E	Entrepreneurship and Innovation	5	Written Assignment
3. Sem / 4. Sem / 6. Sem	Software Engineering Principles	IGIS01_E	Software Engineering Principles	5	Exam
	Corporate Finance and Investment	DLBCFIE01	Corporate Finance and Investment	5	Written Assignment
	Supply Chain Management I	DLBDSESCM01	Supply Chain Management I	5	Exam
4. Sem / 5. Sem / 7. Sem	International Marketing	DLBDSEIMB01	International Marketing	5	Exam
	Project: Design Thinking	DLBINGDT01_E	Project: Design Thinking	5	Project Report
	Digital Business Models	DLBLODB01_E	Digital Business Models	5	Exam
4. Sem / 5. Sem / 8. Sem	Introduction to Data Protection and IT Security	DLBCSIDPITS01	Introduction to Data Protection and IT Security	5	Exam
	Introduction to the Internet of Things	DLBINGEIT01_E	Introduction to the Internet of Things	5	Exam
	Automation and Robotics	DLBDSEAR02	Automation and Robotics	5	Exam
5. Sem / 6. Sem / 9. Sem	Product Development in Industry 4.0	DLBINGPE01_E	Product Development in Industry 4.0	5	Exam
	Project: Smart Product Solutions	DLBIEPSPS01	Project: Smart Product Solutions	5	Oral Project Report
	Agile Project Management	DLBCSAPM01	Agile Project Management	5	Project Report
5. Sem / 6. Sem / 10. Sem	Data Analytics and Big Data	DLBINGDABD01_E	Data Analytics and Big Data	5	Case Study
	ELECTIVE A*		e.g. Smart Devices	10	
5. Sem / 7. Sem / 10. Sem	ELECTIVE B*		e.g. Industrial Robotics and Automation	10	
6. Sem / 8. Sem / 11. Sem	ELECTIVE C*		e.g. Smart Factory	10	
6. Sem / 8. Sem / 12. Sem	Bachelor Thesis		Bachelor Thesis	9	Bachelor Thesis
			Thesis Defense	1	Presentation: Colloquium
Total 180 ECTS					

☑

You've already planned out exactly how your course schedule should look? Wonderful! The IU offers you the flexibility to choose any 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.

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	Industrial Robotics and Automation	Smart Devices
Smart Factory	Service Robotics	Smart Factory
Smart Mobility	Introduction to Cognitive Robotics	Smart Mobility
Smart Services	Programming of Robotic Systems	Smart Services
	AI Specialist	
	Autonomous Driving	
	Foundations of Programming with Python	
	IT Project and Architecture Management	
	Applied Sales	
	Mobile Software Engineering	
	Foreign Language Italian	
	Foreign Language French	
	German Language	
	Foreign Language Spanish	
	Foreign Language Turkish	

ⓘ

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