Digital Economy - full-time studies, Bachelor Degree

from 2025/26

Study plan

Title of subject	Form of passing	Total hours L	Total hours E	Total ECTS	I year Semester I L	E	ECTS	Semester II L	E	ECTS	II year Semester III L	E	ECTS	Semester IV L	E	ECTS	III year Semester V L	E	ECTS	Semester VI L	E	ECTS
		150	**240**	**23,0**																		
Intellectual Property Protection	Z	15	0	**1,0**				15	0	**1,0**												
Contemporary learning techniques	Z	15	0	**1,0**	15	0	**1,0**															
Business English	Z/E	0	120	**7,0**	0	60	**3,0**	0	60	**4,0**												
Physical Training	Z	0	60	**0,0**							0	30	**0**	0	30	**0,0**						
Huminities lectures	Z	90	0	**6,0**				30	0	**2,0**							30	**0**	**2,0**	30	**0**	**2,0**
University lectures	Z	30	0	**2,0**										30	0	**2,0**						
Occupational Safety, Health and Ergonomics	Z	0	0	**0,0**																		
Information Technology I	Z	0	30	**3,0**	0	30	**3,0**															
Information Technology II	Z	0	30	**3,0**				0	30	**3,0**												
		165	**135**	**33,0**																		
Applied mathematics	E	30	30	**7,0**	30	30	**7,0**															
Statistics in economic studies	E	30	30	**7,0**				30	30	**7,0**												
Econometrics and Forecasting	E	30	30	**7,0**							30	30	**7,0**									
Introduction to economics in the digital economy	E	30	30	**5,0**	30	30	**5,0**															
Business Law	Z	15	0	**2,0**	15	0	**2,0**															
Management in the digital economy	E	15	0	**2,0**	15	0	**2,0**															
Marketing and Marketing Research	E	15	15	**3,0**	15	15	**3,0**															
		240	**240**	**54,0**																		
Basics of banking and financial markets	E	30	15	**5,0**	30	15	**5,0**															
Corporate finance	E	30	30	**7,0**							30	30	**7,0**									
Introduction to artificial intelligence	Z	15	0	**2,0**				15	0	**2,0**												
Business start-up and business plan	Z	15	15	**3,0**													15	15	**3,0**			
Digital technologies in economy and finance	E	30	0	**4,0**				30	0	**4,0**												
Cybersecurity	Z	15	15	**4,0**				15	15	**4,0**												
Business data visualisation	Z	0	30	**3,0**													0	30	**3,0**			

Subject	Type	Total lec.	Total lab.	Total ECTS	S1 lec.	S1 lab.	S1 ECTS	S2 lec.	S2 lab.	S2 ECTS	S3 lec.	S3 lab.	S3 ECTS	S4 lec.	S4 lab.	S4 ECTS	S5 lec.	S5 lab.	S5 ECTS	S6 lec.	S6 lab.	S6 ECTS
Management Information Systems	E	15	30	5,0				15	30	5,0												
E-government	Z	15	0	2,0	15	0	2,0															
Digital economy business models	E	15	30	4,0										15	30	4,0						
Project Management	E	15	30	5,0							15	30	5,0									
Industry 4.0	Z	15	15	3,0										15	15	3,0						
Digital transformation of the economy and sustainable development	E	15	0	2,0				15	0	2,0												
Ethics in Business and Technology	Z	15	0	2,0													15	0	2,0			
Communication in business I	Z	0	30	3,0													0	30	3,0			
Data Science in Business																						
		195	425	71,0																		
Introduction to scripting languages - Python and R	Z	0	30	3,0							0	30	3,0									
Managing data and data systems in the organization	Z	15	30	4,0													15	30	4,0			
Software for Business Analysis	Z	0	30	3,0										0	30	3,0						
Big Data processing	E	15	15	4,0																15	15	4,0
Introduction to Data Science and Machine Learning	E	15	15	4,0							15	15	4,0									
Unsupervised learning in economic applications	E	30	20	5,0										30	20	5,0						
Predictive analytics	E	30	30	5,0										30	30	5,0						
Time series analysis	E	15	15	3,0										15	15	3,0						
Non-Classical Forecasting Methods	E	15	30	5,0													15	30	5,0			
Text analytics of data from social media	Z	0	15	2,0																0	15	2,0
Network analysis and recommender systems	E	15	15	4,0																15	15	4,0
RPA and chatbots	Z	0	15	2,0																0	15	2,0
Data Driven Decisions	Z	0	15	2,0																0	15	2,0
Management and implementation of Data Science projects	Z	0	15	2,0																0	15	2,0
Multi-criteria mangerial decision aiding	Z	0	30	3,0										0	30	3,0						
Statistical methods of survey data	E	15	15	3,0													15	15	3,0			
Methods and models for spatial data analyses	E	15	15	4,0																15	15	4,0
Financial Econometrics	E	15	15	3,0													15	15	3,0			
Diploma seminar	Z/E	0	60	10,0													0	30	5,0	0	30	5,0
Total		750	1040	181,0	165	180	33,0	165	165	34,0	90	165	26,0	135	200	28,0	105	195	31,0	90	135	29,0
Total hours per semester		1790			345			330			255			335			300			225		

Digital innovations in business &FinTech																						
		255	360	70,0																		
Digital transformation of enterprises and transformation plan	Z	15	15	4,0													15	15	4,0			
Entrepreneurship and development of startups	E	15	30	5,0																15	30	5,0
Innovative projects and fundraising for R&D	E	30	30	6,0																30	30	6,0
Legal regulations in the digital economy	E	30	15	3,0							30	15	3,0									
Customer Relationship Management & User Experience	E	15	30	6,0													15	30	6,0			
Digital banking, payment systems, and FinTech	E	30	30	6,0										30	30	6,0						
E-commerce	E	15	30	5,0										15	30	5,0						
Introduction to logistics and e-logistics tools	E	15	15	2,0							15	15	2,0									
Behavioural finance	E	15	15	3,0										15	15	3,0						
Decentralized finance and crypto-assets	E	15	30	6,0																15	30	6,0
Design thinking and creative business problem solving	E	30	0	5,0													30	0	5,0			
Public finance and tax system	E	30	15	4,0							30	15	4,0									
Business communication II (including investor pitch)	Z	0	30	3,0																0	30	3,0
Anti-fraud, AML and KYC solutions in the digital economy and in digital assets	Z	0	15	2,0										0	15	2,0						
Diploma seminar	Z/E	0	60	10,0													0	30	5,0	0	30	5,0
Total		810	975	180,0	165	180	33,0	165	165	34,0	150	165	28,0	120	165	25,0	105	150	31,0	105	150	29,0
Total hours per semester		1785			345			330			315			285			255			255		