

	Area	Business Economics	ECTS Credits
1st year		Introduction to Mathematics	4
		Probability Essentials	3
		Linear Algebra Basics	3
		Introduction to Calculus	5
		Mathematics for Economic Applications I	5
		Introduction to IT	4
		Programming Concepts	4
		Introduction to Entrepreneurship	4
		Project Management Principles and Practices	2
		Microeconomics I	4
		English for Professional and Study Purposes	6
		Academic Writing	3
		Logic and Critical Reasoning	3
	Basic Civil Defense	2	
	Techniques of Propaganda and Counterpropaganda	3	
	Electives	5	
2nd year		Mathematics for Economic Applications II	5
		Probability and Statistics	5
		Regression Analysis	4
		Operations Management	3
		Financial Accounting	4
		Microeconomics II	4
		Macroeconomics I	4
		Macroeconomics II	4
		Ukrainian Modern History	3
		History of Economic Ideas	4
		Practice	5
		Electives	12
		2nd year project	3
3rd year		Econometrics	4
		Game Theory	4
		International Trade	4
		Project Management	4
		Marketing	4
		Economic Policy Analysis	4
		Monetary Economics	4
		Social Science Research Project	4
		Practice	5
		Electives	20
		3rd year project	3
4th year		Military and Post-war Economics	4
		Behavior in Organizations	4
		Electives	16
		Industrial electives	12
	Capstone project	24	

	Area	Economics and Big Data	ECTS Credits
1st year		Introduction to Mathematics	4
		Probability Essentials	3
		Linear Algebra Basics	3
		Introduction to Calculus	5
		Mathematics for Economic Applications I	5
		Introduction to IT	4
		Programming Concepts	4
		Applied Algorithms and Data Structures I	4
		Project Management Principles and Practices	2
		Microeconomics I	4
		English for Professional and Study Purposes	6
		Academic Writing	3
		Logic and Critical Reasoning	3
	Basic Civil Defense	2	
	Techniques of Propaganda and Counterpropaganda	3	
	Electives	5	
2nd year		Mathematics for Economic Applications II	5
		Probability and Statistics	5
		Applied Linear Algebra	4
		Regression Analysis	4
		Data Preparation and Visualization	3
		Microeconomics II	4
		Macroeconomics I	4
		Macroeconomics II	4
		Ukrainian Modern History	3
		History of Economic Ideas	4
		Practice	5
		Electives	12
		2nd year project	3
3rd year		Econometrics	4
		Game Theory	4
		Introduction to Artificial Intelligence	4
		Time Series Analysis	4
		Databases	4
		Project Management	4
		Monetary Economics	4
		Social Science Research Project	4
		Practice	5
		Electives	20
		3rd year project	3
4th year		Machine Learning and Deep Learning	4
		Big Data Analytics	4
		Electives	16
		Industrial electives	12
	Capstone project	24	

	Area	Software Development and Business Analysis	ECTS Credits
1st year		Introduction to Mathematics	4
		Probability Essentials	3
		Linear Algebra Basics	3
		Introduction to Calculus	5
		Discrete Mathematics	5
		Introduction to IT	4
		Programming Concepts	4
		Applied Algorithms and Data Structures I	4
		Applied Algorithms and Data Structures II	4
		Project Management Principles and Practices	2
		English for Professional and Study Purposes	6
		Academic Writing	3
		Logic and Critical Reasoning	3
	Basic Civil Defense	2	
	Techniques of Propaganda and Counterpropaganda	3	
	Electives	5	
2nd year		Probability and Statistics	5
		Regression Analysis	4
		Programming Paradigms	5
		Object Oriented Programming and Design	4
		Operating Systems	3
		Web Development	4
		Financial Accounting	4
		Introduction to Economics	4
		Ukrainian Modern History	3
		History of Economic Ideas	4
		Practice	5
		Electives	12
		2nd year project	3
3rd year		Fundamentals of Software Engineering	4
		Software Development Practices	4
		Principles of Software Design	4
		Databases	4
		Business Analysis	4
		Business Intelligence Software	4
		Project Management	4
		Marketing	4
		Practice	5
		Electives	20
		3rd year project	3
4th year		Software Testing	4
		Behavior in Organizations	4
		Electives	16
		Industrial electives	12
	Capstone project	24	

