



Course	Subject	Auditory lessons (hours)	Lab and practice (hours)	Contact hours	ECTS credits
First course	<b>First semester</b>				
	MATHEMATICS I	30	30	60	6
	PROGRAMMING	30	30	60	6
	PHYSICS I	30	30	60	6
	INTRODUCTION TO INFORMATION SYSTEMS	30	0	30	3
	ENGLISH LANGUAGE 1	0	30	30	3
	<b>Elective module (1 out of 2)</b>				
	RUSSIAN LANGUAGE 1	0	30	30	3
	KOREAN LANGUAGE 1	0	30	30	3
	<b>Second semester</b>				
	MATHEMATICS II	30	30	60	6
	OOP PROGRAMMING	30	30	60	6
	PHYSICS II	30	30	60	6
	BASICS OF ELECTRONICS	15	15	30	3
ENGLISH LANGUAGE 2	0	30	30	3	
<b>Elective module (1 out of 2)</b>					
RUSSIAN LANGUAGE 2	0	30	30	3	
KOREAN LANGUAGE 2	0	30	30	3	
Second course	<b>Third semester</b>				
	WEB PROGRAMMING I	30	30	60	6
	DISCRETE MATHEMATICS	30	15	45	5
	INTRODUCTION TO DATABASE	30	30	60	6
	DATA STRUCTURES AND ALGORITHMS	30	30	60	6
	PROJECT BASED LEARNING (PBL) - I	0	30	30	3
	APPLICATION BASED PROGRAM	0	30	30	3
	<b>Fourth semester</b>				
	WEB PROGRAMMING II	30	30	60	6
	DATABASE II	30	30	60	6
	PROBABILITY AND STATISTICS	30	15	45	5
	COMPUTER ARCHITECTURE	30	15	45	5
	UI/UX	30	15	45	5
	PROJECT BASED LEARNING (PBL) - II	0	30	30	3
Third course	<b>Fifth semester</b>				
	LOGIC DESIGN	30	15	45	5
	DATA SCIENCE I	30	30	60	6
	SOFTWARE ENGINEERING	30	15	45	5
	COMPUTER NETWORKS	30	30	60	6
	PROJECT BASED LEARNING (PBL) - III	0	30	30	3
	ARTIFICIAL INTELLIGENCE	30	15	45	5
	<b>Sixth semester</b>				
	DATA SCIENCE II	30	30	60	6
	OPERATING SYSTEMS	30	30	60	6
	INFORMATION SECURITY I	30	30	60	6
	PROJECT BASED LEARNING (PBL) - IV	0	30	30	3
	INTRODUCTION TO CLOUD COMPUTING	30	15	45	5
	COMPUTER VISION	30	15	45	5
Fourth course	<b>Seventh semester</b>				
	SYSTEMS ANALYSIS AND MODELLING	30	15	45	5
	MULTIMEDIA TECHNOLOGIES	30	15	45	5
	INFORMATION SECURITY II	30	30	60	6
	UNDERGRADUATE PRACTICE	0	90	90	9
	PROJECT MANAGEMENT	45	0	45	5
	ADVANCED COMPUTER NETWORKS	30	15	45	5
	<b>Eighth semester</b>				
	SOFTWARE QUALITY ASSURANCE	30	15	45	5
	EMBEDDED SYSTEMS	30	15	45	5
	GRADUATION RESEARCH (PROJECT)	0	60	60	6
	E-GOVERNMENT & IT LAW	45	0	45	5
	INTERNET OF THINGS	30	15	45	5
	COMPUTER SIMULATION	30	15	45	5