

Ministry of Education and Science of the Republic of Kazakhstan
International Information Technology University

Aggred
Prorector for Academic Affairs, d.t.s., professor
Uskenbayeva R.K.

Approved at Academic Council meeting
Minutes № 19 on 26.06.2016

Curriculum
Higher professional education
2016-2020
academic year



27.06.2016

Major: 5B070300-Information systems
Enrollment status: full-time
Form of education: credit

Academic degree: Bachelor of engineering and technology of
major 5B070300- Information Systems
Period of study: 4 yers

№	Code of the discipline	Name of the discipline	Total number of credits	Term	Type of assessment	Total number of hours	including				CPO		Credits distribution within years and terms							
							in auditory	lectures	laboratory	practicals	total	including TWST	1 year		2 year		3 year		4 year	
													Term	Term	Term	Term	Term	Term	Term	Term
															number of weeks					
												1	2	3	4	5	6	7	8	
1 GE			1 General Education (GE) - 28 credits																	
1.1 MC			1.1 Mandatory courses - 21 credits																	
GE 1	MHK 1101	Modern History of Kazakhstan	3	2	Exam	135	45	15		30	90	45		3						
GE 2	Fhi 2102	Philosophy	3	4	Exam	135	45	15		30	90	45			3					
GE 3	FL 1103	Foreign language	6	1,2	Exam	270	90			90	180	90	3	3						
GE 4	K(R)L 1104	Kazakh (Russian) language	6	1,2	Exam	270	90			90	180	90	3	3						
GE 5	ICT 1105	Information and Communication Technologies	3	1	Exam	135	45	15		30	90	45	3							
Total:			21			945	315	45	0	270	630	315	9	9	0	3	0	0	0	0
			1.2 Component of electives- 7 credits																	
GE 6	IE 4106	Internet entrepreneurship	3	6	Exam	135	45	15		30	90	45						3		
GE 7	EIS 4107	Ecology and Industrial Safety	2	7	Exam	90	30	15		15	60	30							2	
GE 8	FL 1108	Foreign language	2	1,2	Exam	90	30			30	60	30	1	1						
Total:			7			315	105	30	0	75	210	105	1	1	0	0	0	3	2	0
2 BC			2 Basic courses (BC) - 69 credits																	
2.1 MC			2.1 Mandatory courses - 20 credits																	
BC 1	PKRL 2201	Professional Kazakh (Russian) language	2	3	Exam	90	30			30	60	30			2					
BC 2	POFL 2202	Professionally-oriented foreign language	2	4	Exam	90	30			30	60	30				2				
BC 3	Fhy203	Physics	2	2	Exam	90	30	15		15	60	30		2						
BC 4	Mat 1204	Mathematics 1	3	1	Exam	135	45	15		30	90	45	3							
BC 5	Mat 1205	Mathematics 2	2	2	Exam	90	30	15		15	60	30		2						
BC 6	Mat 2206	Mathematics 3	3	3	Exam	135	45	15		30	90	45			3					
BC 7	ADSP 1207	Algorithms, data structures and programming	3	1	Exam	135	45	15	15	15	90	45	3							
BC 8	ITI 3208	IT-infrastructure	3	5	Exam	135	45	15	15	15	90	45						3		

	DWS 4305	Development of web- services in the Java EE Platform (Java 3)																		
	DWA 4305	Development web applications based on the Oracle (Oracle 3)																		
	CPA 4305	Cross-platform Applications Development (Mobile 3)																		
	PP 4305	Production Planning (ERP 3)																		
	Rob 4305	Robotics (Robotics 3)																		
CE 4		Elective - 2.1	3	6	Cour.w, Exam	135	45	15	15	15	90	45							3	
	DM 3306	Data Mining (DM 1)																		
	ADM 3306	Application development on MS .NET Framework platform (MS prog 1)																		
	DWC 3306	Development of Web components on the Java EE platform (Java 1)																		
	OSB 3306	Oracle SQL Basics (Oracle 1)																		
	DMA 3306	Development of mobile applications for IOS (Mobile 1)																		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
	ISE 3306	Introduction to SAP ERP (ERP 1)																		
	IR 3306	Introduction to robotics (Robotics1)																		
CE 5		Elective - 2.2	3	7	Cour.w, Exam	135	45	15	15	15	90	45								3
	DM 4307	Data Management (DM 2)																		
	DAA 4307	Developing ASP .NET applications (MS prog 2)																		
	DBC 4307	Development of the business components on the Java EE Platform (Java 2)																		
	PPS 4307	Programming with PL / SQL (Oracle2)																		
	DMA 4307	Development of mobile applications for Android (Mobile 2)																		
	IBP 4307	Integration of business processes (ERP 2)																		
	Rob 4307	Robotics (Robotics2)																		
CE 6	CCED 3308	The course from the catalog of elective disciplines - 1	3	5	Cour.w, Exam	135	45	15	15	15	90	45							3	
CE 7	CCED 3309	The course from the catalog of elective disciplines - 2	3	6	Cour.w, Exam	135	45	15	15	15	90	45								3
CE 8	WT 2310	WEB technology	3	4	Exam	135	45	15	15	15	90	45						3		
CE 9	AAI 3311	Algorithms of Artificial Intelligence	2	6	Exam	90	30	15	15		60	30								2
CE 10	BSR 3312	Bases of scientific research (BOSR)	1	7	Cour.w, Exam	45	15	5		10	30	15								1
		Total:	27			1215	405	140	135	130	810	405	0	0	0	3	6	11	7	0
		Total of theoretical training				5805	1935	565	395	975	3870	1935								
		Total of credits	129										22	19	21	18	17	17	15	0
		Number of exams:	45										7	7	8	6	6	6	5	0
4. Supplementary education																				
4.1 Mandatory courses																				
SE1		Physical Training	8	1,2,3,4		240	240			240			2	2	2	2				
SE2		Military training				594	450						90	90	90	90	90			
SE3		Professional Training (PT)	14	2,4,6,8																
		-Study	2	2		30	30						2							
		-Industrial	8	4,6		600					600					4		4		
		-Pre-diploma training	4	8																4
5. Final examination																				
		5.1 Preparation and Diploma Work (Final Project) Defense	2	8		210					210									360
		5.2 Final Examination in Specialty	1	8		105					105									
		TOTAL (52 weeks x 4 years = 208)	154			1185	270			240	915									

Vice-Rector for Academic Affairs

Uskenbayeva R.K

**Head of the Department of Academic and Methodological
Guidance**



Rysbekova A.A.

Dean of the Information Technologies Faculty



Sergaziyev M. Zh.

Prepared:

Head of IS department



Serbin V.V.