COMPUTER SCIENCE DEPARTMENT BACHELOR DEGREE PROGRAM

		BACHELOR Fall Term	DI	70	11/1	4E 1	ROGR	Spring Term			
		Freshm	on	V	700	r (1st Vo				
"	CODE			П	П	#	CODE			Н	
#	CS 100	Subject Little Literate Forting in 8, CS	C	Н	-11	1	CS 102	Subject	C	6	
2	CS 100	Introduction to Engineering & CS	4	4		2	CS 102	Programming Languages - 2	4	4	
3	CS 101	Programming Languages - 1 Calculus - 1	6	4		3	CS 104	Calculus - 2 Physics - 2	4	4	
4	CS 105	Physics - 1	4	4		4	CS 100	Engineering Computer Graphics	4	4	
5	CS-RU	Russian Language - 1	4	4	-11	5	CS-RU	Russian Language - 2	4	4	
6	CS-EN	ENG Language - 1	4	4	_	6	CS-EN	ENG Language - 2	4	4	
7	CS-EC	Ecology Ecology	2	2		7	CS-GR	Georgraphy of KGZ (State Examination)	2	2	
8	CS-TR	Turkish Language - 1	2	2	_	8	CS-TR	Turkish Language - 2	2	2	
9	CS-PHS	Physical Culture - 1	0	2	<u>-</u>	9		Physical Culture - 2	0	2	
		TOTAL	30	-	_		l l	TOTAL	30	32	
	Sophomore Year (2nd Year)										
#	CODE	Subject	С	Н	I	#	CODE	Subject	С	Н	
1	CS 201	Object Oriented Programming	4	4	ļ	1	CS 202	Data Structures	4	4	
2	CS 203	Web Technologies	6	6	5	2	CS 204	Web Programming	6	6	
3	CS 205	Database Systems	6	6	5	3	CS 206	Digital Electronics	6	6	
4	CS 207	Descrete Mathematics	4	4	1	4	CS 208	Linear Algebra	6	6	
5	CS 209	Electrotechnics & Electronics	6	6	5	5	CS-HS	History (State Examination)	4	4	
6	CS-KG	Kyrgyz Language & Literature - 1	4	4	1	6	CS-KG	Kyrgyz Language & Literature - 2	4	4	
7	CS-TR	Turkish Language - 1	0	2	2	7	CS-TR	Turkish Language - 2	0	2	
8	CS-PHS	Physical Culture - 3	0	2	2	8	CS-PHS	Physical Culture - 4	0	2	
TOTAL					4			TOTAL	30	32	
		Junio	Y	ea	ar ((3r	d Year	r)			
#	CODE	Subject	C	Н	I	#	CODE	Subject	C	Н	
1	CS 301	Design & Analysis of Algorithms	6	6	5	1	CS 302	Artificial Intelligence	6	6	
2	CS 303	Mobile App Development	6	6	5	2	CS 304	Operating Systems	6	6	
3	CS 305	Software Engineering - 1	4	4	1	3	CS 306	C C F :	6	6	
4		Software Engineering - 1			_	<u> </u>	CS 300	Software Engineering - 2	U		
	CS 307	Comp. Networks & Telecommunication	6	6	5	4	CS 308	Computer Oraganization & Architecture	6	6	
5			6 4	4	-11		CS 308		6	Ť	
	CS 307	Comp. Networks & Telecommunication	├	H		4		Computer Oraganization & Architecture	⊢	2	
5	CS 307 CS 309	Comp. Networks & Telecommunication Probability and Statistics	4	4	1 2	<u>4</u> 5	CS 308 CS 310	Computer Oraganization & Architecture Introduction to Marketing	6	Ť	
5	CS 307 CS 309 CS 311	Comp. Networks & Telecommunication Probability and Statistics Introduction to Enterpreunership	4 2	2	1 2 2	4 5 6	CS 308 CS 310	Computer Oraganization & Architecture Introduction to Marketing Art & Design	6 2	2	
5	CS 307 CS 309 CS 311	Comp. Networks & Telecommunication Probability and Statistics Introduction to Enterpreunership Pedagogical Internship TOTAL	4 2 2 30	2 2 3 (2 0	4 5 6 7	CS 308 CS 310	Computer Oraganization & Architecture Introduction to Marketing Art & Design Project Based Internship TOTAL	6 2	2	
5	CS 307 CS 309 CS 311	Comp. Networks & Telecommunication Probability and Statistics Introduction to Enterpreunership Pedagogical Internship TOTAL	4 2 2 30	2 2 3 (1 2 2 0	4 5 6 7	CS 308 CS 310 CS 320	Computer Oraganization & Architecture Introduction to Marketing Art & Design Project Based Internship TOTAL	6 2	2	
5	CS 307 CS 309 CS 311 CS 319	Comp. Networks & Telecommunication Probability and Statistics Introduction to Enterpreunership Pedagogical Internship TOTAL Senion	4 2 2 30 Y	4 2 2 3 ea	1 2 0	4 5 6 7	CS 308 CS 310 CS 320 h Year	Computer Oraganization & Architecture Introduction to Marketing Art & Design Project Based Internship TOTAL	6 2 4 30	2 4 30	
5	CS 307 CS 309 CS 311 CS 319	Comp. Networks & Telecommunication Probability and Statistics Introduction to Enterpreunership Pedagogical Internship TOTAL Senion Subject	4 2 2 30 Y	4 2 2 30 ea	1 2 0	4 5 6 7 (4t	CS 308 CS 310 CS 320 h Year CODE CS 402	Computer Oraganization & Architecture Introduction to Marketing Art & Design Project Based Internship TOTAL Subject	6 2 4 30	2 4 30	
5	CS 307 CS 309 CS 311 CS 319	Comp. Networks & Telecommunication Probability and Statistics Introduction to Enterpreunership Pedagogical Internship TOTAL Senior Subject Information Security	4 2 2 30 Y	4 2 2 30 ea	1 2 2 0 ar (4 5 6 7 (4t #	CS 308 CS 310 CS 320 h Year CODE CS 402	Computer Oraganization & Architecture Introduction to Marketing Art & Design Project Based Internship TOTAL Subject Basics of Scientific Research	6 2 4 30 C 2	2 4 30 H 2	
5 6 7 #	CS 307 CS 309 CS 311 CS 319 CODE CS 401	Comp. Networks & Telecommunication Probability and Statistics Introduction to Enterpreunership Pedagogical Internship TOTAL Senior Subject Information Security Software Architecture & Design patterns	4 2 2 30 Y C 6	30 ea	1 2 2 0 ar (4 5 6 7 (4t # 1 2	CS 308 CS 310 CS 320 h Year CODE CS 402 CS-MN	Computer Oraganization & Architecture Introduction to Marketing Art & Design Project Based Internship TOTAL Subject Basics of Scientific Research Manasology	6 2 4 30 C 2 2	2 4 30 H 2 2	
5 6 7 #	CS 307 CS 309 CS 311 CS 319 CODE CS 401	Comp. Networks & Telecommunication Probability and Statistics Introduction to Enterpreunership Pedagogical Internship TOTAL Senior Subject Information Security Software Architecture & Design patterns Introduction to Data Mining	4 2 2 30 Y C 6	30 ea	1 2 2 0 ar (4 5 6 7 (4t # 1 2 3	CS 308 CS 310 CS 320 h Year CODE CS 402 CS-MN CS-LF CS-MT	Computer Oraganization & Architecture Introduction to Marketing Art & Design Project Based Internship TOTAL Subject Basics of Scientific Research Manasology Life Safety	6 2 4 30 C 2 2 2 4	2 4 30 H 2 2 4	
5 6 7	CS 307 CS 309 CS 311 CS 319 CODE CS 401	Comp. Networks & Telecommunication Probability and Statistics Introduction to Enterpreunership Pedagogical Internship TOTAL Senion Subject Information Security Software Architecture & Design patterns Introduction to Data Mining Number Theory	4 2 2 30 Y C 6	30 ea	ar (6)	4 5 6 7 (4t # 1 2 3 4	CS 308 CS 310 CS 320 h Year CODE CS 402 CS-MN CS-LF CS-MT	Computer Oraganization & Architecture Introduction to Marketing Art & Design Project Based Internship TOTAL Subject Basics of Scientific Research Manasology Life Safety Metrology Standart & Certification	6 2 4 30 C 2 2 4 4	2 4 30 H 2 2 4 4	
5 6 7	CS 307 CS 309 CS 311 CS 319 CODE CS 401	Comp. Networks & Telecommunication Probability and Statistics Introduction to Enterpreunership Pedagogical Internship TOTAL Senion Subject Information Security Software Architecture & Design patterns Introduction to Data Mining Number Theory Human Computer Interaction (HCI)	4 2 2 30 • Y C 6	4 2 2 3 8 8 8 6	ar (6)	4 5 6 7 (4t # 1 2 3 4	CS 308 CS 310 CS 320 h Year CODE CS 402 CS-MN CS-LF CS-MT	Computer Oraganization & Architecture Introduction to Marketing Art & Design Project Based Internship TOTAL Subject Basics of Scientific Research Manasology Life Safety Metrology Standart & Certification	6 2 4 30 C 2 2 4 4	2 4 30 H 2 2 4 4	
5 6 7	CS 307 CS 309 CS 311 CS 319 CODE CS 401	Comp. Networks & Telecommunication Probability and Statistics Introduction to Enterpreunership Pedagogical Internship TOTAL Senion Subject Information Security Software Architecture & Design patterns Introduction to Data Mining Number Theory Human Computer Interaction (HCI) Introduction to Cloud Computing	4 2 2 30 • Y C 6	4 2 2 3 8 8 8 6	ar (6)	4 5 6 7 (4t # 1 2 3 4	CS 308 CS 310 CS 320 h Year CODE CS 402 CS-MN CS-LF CS-MT	Computer Oraganization & Architecture Introduction to Marketing Art & Design Project Based Internship TOTAL Subject Basics of Scientific Research Manasology Life Safety Metrology Standart & Certification	6 2 4 30 C 2 2 4 4	2 4 30 H 2 2 4 4	
5 6 7	CS 307 CS 309 CS 311 CS 319 CODE CS 401	Comp. Networks & Telecommunication Probability and Statistics Introduction to Enterpreunership Pedagogical Internship TOTAL Senion Subject Information Security Software Architecture & Design patterns Introduction to Data Mining Number Theory Human Computer Interaction (HCI) Introduction to Cloud Computing Microprocessors & Microcontrollers	4 2 2 30 • Y C 6	4 2 2 3 8 8 8 6	1 2 2 0 1 1 5 5	4 5 6 7 (4t # 1 2 3 4	CS 308 CS 310 CS 320 h Year CODE CS 402 CS-MN CS-LF CS-MT	Computer Oraganization & Architecture Introduction to Marketing Art & Design Project Based Internship TOTAL Subject Basics of Scientific Research Manasology Life Safety Metrology Standart & Certification	6 2 4 30 C 2 2 4 4	2 4 30 H 2 2 4 4	
5 6 7 1 2	CS 307 CS 309 CS 311 CS 319 CODE CS 401 CS 403	Comp. Networks & Telecommunication Probability and Statistics Introduction to Enterpreunership Pedagogical Internship TOTAL Senion Subject Information Security Software Architecture & Design patterns Introduction to Data Mining Number Theory Human Computer Interaction (HCI) Introduction to Cloud Computing Microprocessors & Microcontrollers Machine Learning	4 2 2 30 Y C 6	4 2 2 30 e 8 H 6	1 2 2 0 1 1 5 5	4 5 6 7 (4t # 1 2 3 4	CS 308 CS 310 CS 320 h Year CODE CS 402 CS-MN CS-LF CS-MT	Computer Oraganization & Architecture Introduction to Marketing Art & Design Project Based Internship TOTAL Subject Basics of Scientific Research Manasology Life Safety Metrology Standart & Certification	6 2 4 30 C 2 2 4 4	2 4 30 H 2 2 4 4	
5 6 7 1 2 3	CS 307 CS 309 CS 311 CS 319 CODE CS 401 CS 403	Comp. Networks & Telecommunication Probability and Statistics Introduction to Enterpreunership Pedagogical Internship TOTAL Senion Subject Information Security Software Architecture & Design patterns Introduction to Data Mining Number Theory Human Computer Interaction (HCI) Introduction to Cloud Computing Microprocessors & Microcontrollers Machine Learning System programming	4 2 2 30 Y C 6	4 2 2 30 e 8 H 6	1 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 6 7 (4t # 1 2 3 4	CS 308 CS 310 CS 320 h Year CODE CS 402 CS-MN CS-LF CS-MT	Computer Oraganization & Architecture Introduction to Marketing Art & Design Project Based Internship TOTAL Subject Basics of Scientific Research Manasology Life Safety Metrology Standart & Certification	6 2 4 30 C 2 2 4 4	2 4 30 H 2 2 4 4	

Dean: PhD. Duisheev K.

HoD: Nurlan Shaidullaev

Last Updated: 17.05.2018