

COMPUTER SCIENCE DEPARTMENT
BACHELOR DEGREE PROGRAM

Fall Term					Spring Term				
Freshmen Year (1st Year)									
#	CODE	Subject	C	H	#	CODE	Subject	C	H
1	CS 100	Introduction to Engineering & CS	4	4	1	CS 102	Programming Languages - 2	6	6
2	CS 101	Programming Languages - 1	6	6	2	CS 104	Calculus - 2	4	4
3	CS 103	Calculus - 1	4	4	3	CS 106	Physics - 2	4	4
4	CS 105	Physics - 1	4	4	4	CS 108	Engineering Computer Graphics	4	4
5	CS-RU	Russian Language - 1	4	4	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	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	9	CS-PHS	Physical Culture - 2	0	2
TOTAL			30	32	TOTAL			30	32
Sophomore Year (2nd Year)									
#	CODE	Subject	C	H	#	CODE	Subject	C	H
1	CS 201	Object Oriented Programming	4	4	1	CS 202	Data Structures	4	4
2	CS 203	Web Technologies	6	6	2	CS 204	Web Programming	6	6
3	CS 205	Database Systems	6	6	3	CS 206	Digital Electronics	6	6
4	CS 207	Descrete Mathematics	4	4	4	CS 208	Linear Algebra	6	6
5	CS 209	Electrotechnics & Electronics	6	6	5	CS-HS	History (State Examination)	4	4
6	CS-KG	Kyrgyz Language & Literature - 1	4	4	6	CS-KG	Kyrgyz Language & Literature - 2	4	4
7	CS-TR	Turkish Language - 1	0	2	7	CS-TR	Turkish Language - 2	0	2
8	CS-PHS	Physical Culture - 3	0	2	8	CS-PHS	Physical Culture - 4	0	2
TOTAL			30	34	TOTAL			30	32
Junior Year (3rd Year)									
#	CODE	Subject	C	H	#	CODE	Subject	C	H
1	CS 301	Design & Analysis of Algorithms	6	6	1	CS 302	Artificial Intelligence	6	6
2	CS 303	Mobile App Development	6	6	2	CS 304	Operating Systems	6	6
3	CS 305	Software Engineering - 1	4	4	3	CS 306	Software Engineering - 2	6	6
4	CS 307	Comp. Networks & Telecommunication	6	6	4	CS 308	Computer Oraganization & Architecture	6	6
5	CS 309	Probability and Statistics	4	4	5	CS 310	Introduction to Marketing	2	2
6	CS 311	Introduction to Enterpreunership	2	2	6		Art & Design		
7	CS 319	Pedagogical Internship	2	2	7	CS 320	Project Based Internship	4	4
TOTAL			30	30	TOTAL			30	30
Senior Year (4th Year)									
#	CODE	Subject	C	H	#	CODE	Subject	C	H
1	CS 401	Information Security	6	6	1	CS 402	Basics of Scientific Research	2	2
2	CS 403	Software Architecture & Design patterns	6	6	2	CS-MN	Manasology	2	2
		Introduction to Data Mining			3	CS-LF	Life Safety	4	4
		Number Theory			4	CS-MT	Metrology Standart & Certification	4	4
3	CS 405	Human Computer Interaction (HCI)	4	4	5	CS-PHL	Philosophy	4	4
		Introduction to Cloud Computing							
		Microprocessors & Microcontrollers							
4	CS 407	Machine Learning	6	6					
		System programming							
		Robotics							
5	CS 419	Industrial Internship	8	8	6	CS 420	Thesis Diploma	14	14
TOTAL			30	30	TOTAL			30	30

Dean: PhD. Duisheev K.

HoD : Nurlan Shaidullaev

Last Updated:

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