CHECKLIST

Student's Name			ID#				
Major <u>SFW</u>				Year of Admission	2014		
	or Year of Declaration						
				_			
Course Name	Course #	Course ID	Credits	Prereq	Comments		
General Education Courses				Total - 86	5-90 Credits		
First Year Seminar I/II(KYR/RUS 2/2 cr)			24				
Kyrgyz Language			6				
Russian Language			6				
History of Kyrgyzstan			4				
Manas Studies(Part of FYS)			2				
Introduction to Philosophy			4				
Social Sciences (12 credits):							
 Psychology, Sociology, Political Studies, Economics, Law, Anthropology and/or European Studies from outside the student's major 			12				
Art/Sport							
Arts			12				
Sports			0				
Natural science							
Ecology/Geography/Geophysics/History and Philosophy of Science/ Physics (MAT 103/131)			6				
Linear Algebra & Analytic Geometry			6	none			
Mathematical Analysis I			6	MAT 103/131			
Introduction to Computing			3	none			
Courses on Specialty							
Required Courses on Specialty				Total 114 cr	edits		
From Software Engineering department		72 credits	;				
Programming I. Introduction to Object			6	None			
Programming II. Object Oriented			6	COM-116			
Algorithms and Data Structures			6	COM-116			
Computer Architecture			6	COM-310/11/11.1			
Operating Systems			6	COM-117			
Parallel and Distributed Programming			6	COM 341.1/324.1			
Database Principles			6	COM-117			
Software Engineering I			6	COM-117			
Software Engineering II			6	COM 421.1			
Senior Project Preparation			12				
Internship: Educational Tasks Internship: Research Project			6				
Elective Courses on Specialty					•		
From Software Engineering department	42 credit	S					
Circuit Engineering			6	COM 106/116			
Algorithm Analysis		1	6	COM 223.1/224			

Computer Graphics: Programming Basics*	6	COM 117	
Computer Networks	6	COM 341.1/324.1	
Computer Systems & Assembler	6	COM-117	
Database Design*	6	COM-210.1	
Dynamic HTML & Web-page design*	6		
Expert Systems*	6	COM-228	
Website & Mobile Web App Development using HTML & CSS	6	COM 102/4/5/6	
Information Security 1*	6	COM 324.1	
Information Security 2*	6	COM 424.1	
IT Project Management*	6	COM 105/6	
Programming Languages	6	COM 117	
System Administration*	6	COM 341.1	
Theory of Computation*	6	COM 324.1	
Web programming*	6	COM 116	
Mobile application Development*	6	COM 117	
Research Methods*	6		
*courses allowed not to take in case of doing Minor			
Courses Outside the Major	40 credits		
Numerical Methods	6	COM 113/5/7 MAT 316/7	From Natural science
Discrete mathematics and mathematical logic I	6	none	From Natural science
Discrete mathematics and mathematical logic II	6	COM-227	From Natural science
Theory of Probabilities and Math. Statistics	6	MAT 103/131	From Natural science
Mathematical Analysis II	6	MAT-233	From Natural science
Courses for Minor*			
			• • • •
Total Number of Credits	1'. C F1 .'	C C C F	240
*for Minor students are allowed not to take 24 cred department	lits from Elective cou	irses from Software Eng	ineering
The Head of Major Program	The Head of M	inor Program	

Student Signature

ORDER OF STUDY FOR ADMITS OF 2014

	ORDER OF STUDY FOR	K ADN	WII15 OF 2014
	I semester		II semester
1.	FYS I (8)	1.	FYS II (10)
2.	Russian (2)	2.	Manas Studies (2)
3.	Kyrgyz (2)		(12)
	(12)	3.	Mathematical Analysis I (6)
4.	Computer Essentials (3)	4.	Programming II (6)
	Linear Algebra and Analytic Geometry (6)	5.	Natural Science (6)
	Programming I (6)	6.	Sports
	Elective (3)		1
	Sports		
	Total credits: 30		Total credits: 30
	III semester		IV semester
1.	Mathematical Analysis 2 (6)	1.	Computer Architecture (6)
2.	Algorithm and Data Structures (6)	2.	Discrete Structures II (6)
3.	-		Algorithm Analysis (6)
4.	Elective course (Circuit Engineering 6)	4.	History of Kyrgyzstan(4)
5.	Kyrgyz/Russian language (6)	5.	Philosophy (4)
6.	Sports	6.	Kyrgyz/Russian language (6)
		7.	Sports
	Total credits: 30 V semester		Total credits: 32 VI semester
1		1	
	Operating Systems (6) Theory of Probabilities and Math Statistics	1.	Database Design (6)
2.	Theory of Probabilities and Math Statistics	2.	Elective course (Programming
2	(6) Detahasa Principala (6)	2	Languages) (6)
	Database Principals (6)	3. 4.	Numerical Methods (6)
	4. Computer Networks (6)		Elective course (Introduction to WEB
5.	Elective course (6) (Computer system and	5	Programming 6)
	Assembler, Theory of Computation, Expert	5.	Social Science (6)
	Systems, Mobile Application Development)		
	Total credits: 30		Total credits: 30
	VII semester		VIII semester
1.	Senior Paper/Seminar (6)	1.	Senior Paper/Seminar (6)
	Software Engineering I (6)	2.	Software Engineering II (6)
	Parallel programming (6)	3.	Elective course (6)
	Art (6)	4.	Elective course (6) (Information
	Elective (4)		Security, Research Methods,
			Computer Graphics: Programming
			Basics)
		5.	Art (6)
	Total credits: 28		Total credits: 30
1	10001 0100100 20		100010100100100