Guidance plan for students of Bachelor of Computer Science

First Year					
First Semester			**Second Semester**		
Course No.	**Course Name**	**Credit Hr.**	**Course No.**	**Course Name**	**Credit Hr.**
-	University Req.	3	-	University Req.	3
-	University Req.	3	-	University Req.	3
401101	Calculus 1	3	401241	Linear Algebra	3
901110	Computer 2 for IT students	3	901210	Object oriented programming	3
901111	Computer 2 for IT students Lab.	1	901214	Object oriented programming Lab.	1
			904233	Principles of information systems	3
	Total	**13**		**Total**	**16**

Second Year					
First Semester			**Second Semester**		
Course No.	**Course Name**	**Credit Hr.**	**Course No.**	**Course Name**	**Credit Hr.**
-	University Req.	3	801106	General Geology 1	3
402101	General Physics 1	3	901220	Digital Logic Design	3
401237	Probability and Statistics	3	901240	Data Structure	3
902201	Applied Numerical Methods	3	901325	Computer Networks	3
901200	Discrete Mathematics	3	901300	Computational Theory	3
901211	Programming in Java	3	904341	System Analysis and Design	3
	Total	**18**		**Total**	**18**

Third Year					
First Semester			**Second Semester**		
Course No.	**Course Name**	**Credit Hr.**	**Course No.**	**Course Name**	**Credit Hr.**
-	Dept. elective course	3	-	Dept. elective course	3
901310	Visual Programming	3	901320	Computer Architecture	3
901330	Databases	3	901327	Wireless and Mobile Networking	3
901340	Analysis and Design of Algorithms	3	901332	Operating Systems	3
902350	Web Page Design	3	901341	Software Engineering	3
902354	Web Page Design Lab.	1	-	Dept. elective course	3
	Total	**16**		**Total**	**18**

Summer Semester			
	901498	Field Training۶	3
		Total	**3**

Fourth Year					
First Semester			**Second Semester**		
Course No.	**Course Name**	**Credit Hr.**	**Course No.**	**Course Name**	**Credit Hr.**
-	Dept. elective course	3	901470	Artificial Intelligence and Expert Systems	3
-	University Req.	3	-	Dept. elective course	3
-	Dept. elective course	3	-	University Req.	3
902450	Electronic Commerce and Electronic Government	3	901460	System and Cyber Security	3
902451	Database Application Development	3	901499	Graduation Project 2	3
901497	Graduation Project 1	0			
	Total	**15**		**Total**	**15**