Department of Computer Science
Academic Course Description
General Computer Science Branch

First Year							
First Semester				**Second Semester**			
Subject	**Hours**			**Subject**	**Hours**		
	THEO.	**Pract.**	**Units**		**THEO.**	**Pract.**	**Units**
Logic Design 1	2	2	3	Logic Design 2	2	2	3
Mathematics 1	2	-	2	Mathematics 2	2	-	2
Structure Programming 1	3	4	5	Structured Programming 2	3	4	5
Technical & computer organization 1	2	4	4	Technical & computer organization 2	2	4	4
Discrete Structures	2	-	2	Statistics & Probability	2	-	2
Human Rights	1	-	1	Freedom and Democracy	1	-	1
Arabic 1	1	-	1	Arabic 2	1	-	1
				English	2	-	2

Second Year							
First Semester				**Second Semester**			
subject	**Hours**			**subject**	**Hours**		
	THEO.	**Pract.**	**Units**		**THEO.**	**Pract.**	**Units**
Woman & law	1	-	1	Civil Leaderships	1	-	1
Object Oriented Programming 1	2	4	4	Object Oriented Programming 2	2	4	4
Numerical Analysis	2	2	3	Data Structure	2	4	4
Database System	2	4	4	System Analysis	2	2	3
Computer Graphics	2	2	3	Computational Theory	2	-	2
Computer Architecture	2	2	3	Advanced Computer Architecture	2	2	3
				English	2	-	2

Third Year							
First Semester				**Second Semester**			
Subject	**Hours**			**Subject**	**Hours**		
	THEO.	**Pract.**	**Units**		**THEO.**	**Pract.**	**Units**
Advanced Algorithms	2	2	3	Human and Computer Interaction	2	2	3
Digital Image Processing	3	2	4	Software Engineering	3	-	3
Advanced Programming	2	2	3	Data Mining	2	2	3
Artificial Intelligence	2	2	3	Soft Computing	2	2	3
Computer Mathematics	2	-	2	Simulation and Modelling	2	2	3
Methods of Research	1	-	1	Compilers	2	2	3
English	2	-	2				

Fourth Year							
First Semester				**Second Semester**			
Subject	**Hours**			**Subject**	**Hours**		
	THEO.	**Pract.**	**Units**		**THEO.**	**Pract.**	**Units**
Cloud Computing	2	2	3	Multimedia	2	2	3
Computer Security	2	-	2	Data Security	2	2	3
Mobile Computing	2	2	3	Web Design	2	2	3
Data Communication	3	2	4	Computer Networks	2	2	3
Operating System 1	2	2	3	Operating System 2	2	2	3
English	2	-	2	Research Project	2	-	2