

**Curriculum for the Master Program in Computer Science
2017/2016**

Master Program in Computer Science Exam		(33 credit hours)		
(24 credit hours)				
a- Mandatory Courses, Exam Option (24 credit hours):				
Course Number	Course Title	Credit Hours	Prerequisite Number	Prerequisite
11711	Data Communication and Networking	3	-	-
11712	Operating Systems	3	-	-
11723	Advanced Software Engineering	3	-	-
11731	Database Management	3	-	-
11740	Algorithms	3	-	-
11751	Digital Image Processing	3	-	-
11753	Artificial Intelligence	3	-	-
11791	Research Methodology Seminar	3	-	-
11798	Comprehensive Examination	0		33 Credit Hours
b. Elective Courses (9 credit hours):				
Course Number	Course Title	Credit Hours	Prerequisite Number	Prerequisite
11713	Computer Architecture	3	-	-
11714	Cloud Computing	3	-	-
11715	Parallel Processing	3	-	-
11722	Human Computer Interaction	3	-	-
11724	Software Quality	3	-	-
11732	Information Security	3	-	-
11734	Data Mining	3	-	-
11739	Selected Topics in Computer and Information Technology	3	-	-
11742	Programming Languages	3	-	-
11743	Information Theory	3	-	-
11745	Numerical Analysis Methods	3	-	-
11754	Computer Simulation and Modeling	3	-	-
11757	Natural Language Processing	3	-	-