

## Study Plan for Master's Degree in Computer Science for year 2015-2016

The Master's Degree Program (Thesis ) in Computer Science awarded at Princess Sumaya University for Technology after the successful completion of 33 Credit Hours distributed as follows:-

### Program Requirements (24 CHs)

#### 1. Compulsory Requirements (15 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent
11711	Data Communication and Networking	3		
11731	Database Management	3		
11740	Algorithms	3		
11753	Artificial Intelligence	3		
11791	Seminar	3		

#### 2. Elective Requirements (9 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent
11712	Operating Systems	3		
11713	Computer Architecture	3		
11714	Cloud Computing	3		
11715	Parallel Processing	3		
11722	Human Computer Interaction	3		
11723	Advanced Software Engineering	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 Methods	3		
11751	Digital Image Processing	3		
11754	Computer Simulation and Modeling	3		
11757	Natural Language Processing	3		

### Thesis Requirements (9 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent
11799	Thesis	9	Finish 20 Credit Hours	
117990	Thesis	0		
117993	Thesis	3		
117996	Thesis	6		