

## Study Plan for MasterDegree in Data Science for year 2017-2018

The Master Degree Program (Thesis ) in Data Science awarded at Princess Sumaya University for Technology after the successful completion of 34 Credit Hours distributed as follows:-

### Program Requirements (25 CHs)

#### 1. Compulsory Requirements (16 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent
14711	Computational Statistics	3		
14721	Data Engineering	3		
14722	Data Mining	3		
14723	Big Data	3		
14731	Business Modeling for Data Science	3		
14791	Research Methodology Seminar	1		

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

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent
11714	Cloud Computing	3		
11740	Algorithms	3		
11753	Artificial Intelligence	3		
11757	Natural Language Processing	3		
14724	Data Exploration and Visualization	3	14721	
14725	Web and Social Network Analysis	3		
14728	Mining Massive Datasets	3	14722,14723	
14729	Selected Topics in Data Science	3		
14732	Business Intelligence	3	14731	
14733	IT Project Management for Data Analysis	3		

### Thesis Requirements (9 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent
14799	Thesis	9	Finish 12 Credit Hours	
147990	Thesis	0		
147993	Thesis	3		
147996	Thesis	6		