Princess Sumaya جامعـة
University الأميـرة سميّـة
for Technology للتكنولوجيا

Study Plan for Master's Degree in
Data Science
for year 2023-2024

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

Program Requirements (34 CHs)

1. Compulsory Requirements (28 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent
14711	Computational Statistics	3		
14721	Data Engineering	3		
14726	Machine Learning	3		
14727	Big Data and Cloud Computing	3		
14724	Data Exploration and Visualization	3		
14732	Business Intelligence	3		
14757	Natural Language Processing	3		
14791	Research Methodology Seminar	1		
14792	Project	3		
14798	Comprehensive Exam	0		

2. Elective Requirements (6 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent
11740	Algorithms	3		
14725	Web and Social Network Analysis	3		
14728	Mining Massive Datasets	3	14726	
14729	Selected Topics in Data Science	3		
14731	Business Modeling for Data Science	3		
14733	IT Project Management for Data Analysis	3		
14734	Deep Learning	3		
14753	Artificial Intelligence	3		