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

The Master's 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 (19 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		
14791	Research Methodology Seminar	1		

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		
14757	Natural Language Processing	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		