

courses	Course Code	Course Name	Credits		39 Credit Hours
First term	MDS 611	Introduction to Data Science	3	12	
	MDS 612	Statistical Computing for Data Science	3		
	MDS 613	Data Mining	3		
	MDS 614	Programming for Data Science	3		
Second term	MDS 621	Research Methodologies	3	9	
	MDS 622	Machine Learning	3		
	MDS 62X	Elective Course 1	3		
Third term	MDS 631	Project I	3	9	
	MDS 63X	Elective Course 2	3		
	MDS 63X	Elective Course 3	3		
Fourth term	MDS 641	Ethics and data protection	3	9	
	MDS 642	Project II	6		

Type	Course Code	Elective Course Name	Credits
Elective I	MDS 623	Data Visualization	3
	MDS 624	Advanced Data Analytics	3
Elective II	MDS 632	Big Data Applications and Analytics	3
	MDS 633	Information Retrieval and Web Search Engines	3
	MDS 634	Advanced Data Mining	3
	MDS 635	Advanced Database Systems	3