

BS Data Science				
Semester 1	Semester Fall 2025			
	Course Code	Course Title	Credit Hours	Sections
	CP103	Introduction to Computing	3	2
	CP101	Introduction to Computing – Lab	1	2
	GE102	Basic Electronics	2	2
	GE101	Basic Electronics – Lab	1	2
	ENG110	Functional English	3	2
	PAK102	Ideology and Constitution of Pakistan	2	2
	AL143	Discrete Structures	3	2
	MAT103	Pre-Calculus (Only for Pre-medical Students)	3	1
Semester 2				
	Course Code	Course Title	Credit Hours	Sections
	Not Offered			
Semester 3				
	Course Code	Course Title	Credit Hours	Sections
	CP223	Object Oriented Programming	3	2
	CP221	Object Oriented Programming - Lab	1	2
	AR223	Computer Organization & Assembly Language	3	2
	AR221	Computer Organization & Assembly Language - Lab	1	2
	MAT253	Probability & Statistics	3	2
	SEP203	Professional Practices	2	2

	MAT243	Multivariable Calculus	3	2
	ENT201	Entrepreneurship	2	2
Semester 4				
	Course Code	Course Title	Credit Hours	Sections
	Not Offered			
Semester 5				
	Course Code	Course Title	Credit Hours	Sections
	DSSD3213	Software Engineering	3	1
	DSNS3413	Operating Systems	3	1
	DSNS3411	Operating Systems-Lab	1	1
	DSSS2853	Applied Statistics	3	1
	DSAL3523	Design and Analysis of Algorithms	3	1
	DSNS3473	Block Chain	3	1
Semester 6				
	Course Code	Course Title	Credit Hours	Sections
	Not Offered			

Semester 7				
	Course Code	Course Title	Credit Hours	Sections
	DSDB3332	Data Mining	3	1
	DSDB3331	Data Mining – Lab	3	1
	DSNS4433	Information Security	3	1
	DSDS4472	Big Data Analytics	3	1
	DSDS4471	Big Data Analytics Lab	1	1
	DSMG1923	Financial Accounting	3	1
	DSDS3162	Exploratory Data Analysis & Visualization	2	1
	DSDS3161	Exploratory Data Analysis & Visualization-Lab	1	1
	DSSD4913	Final Year Project - I	3	1
Semester 8	Sections:			
	Course Code	Course Title	Credit Hours	Sections
	Not Offered			