

B.Sc. (Hons) Data Science

Mode of study

Full Time: 3 Years

Level 4

Compulsory Modules		Module Code	Credit Points	% Test	% Examination	% Coursework	% Practical	Semesters
Full Title	Short Form							
Probability and Statistics	SP	4FTCxxxx	15	30	0	70	0	A
Mathematical Methods	MM	4FTCxxxx	15	40	30	30	0	A
Principals of Data Science	PDS	4FTCxxxx	15	0	60	40	0	A
IT Literacy and Core Skills	ITLCS	4FTCxxxx	15	0	0	100	0	A
Linear Algebra	LA	4FTCxxxx	15	0	60	40	0	B
Data Science Laboratory 1	DSL1	4FTCxxxx	15	0	0	100	0	B
Computational Modelling	CM	4FTCxxxx	15	30	0	70	0	B
Principles of Data Presentation	PDP	4FTCxxxx	15	0	0	100	0	B
Data Science Small Group Tutorial 1	SGT1	4FTCxxxx	0	0	0	0	0	AB

Level 5

Compulsory Modules		Module Code	Credit Points	% Test	% Examination	% Coursework	% Practical	Semesters
Full Title	Short Form							
Programming	PG	5FTCxxxx	15	50	0	50	0	A
Information Theory	IT	5FTCxxxx	15	0	60	40	0	A
Big Data and High-Performance Computing	BDHPC	5FTCxxxx	15	0	0	100	0	A
Blockchains and Cryptocurrencies	BC	5FTCxxxx	15	0	0	100	0	A
Career Planning and Development	CPD	5FTCxxxx	0	0	0	100	0	A
Statistical Modelling	SM	5FTCxxxx	15	0	60	40	0	B
Introduction to Machine Learning and Neural Networks	IMLNN	5FTCxxxx	15	0	40	60	0	B
Game Theory	GT	5FTCxxxx	15	0	60	40	0	B
Data Science Laboratory 2	DSL2	5FTCxxxx	15	0	0	100	0	B
Data Science Small Group Tutorial 2	SGT2	5FTCxxxx	0	0	0	0	0	AB

Level 6

Compulsory Modules		Module Code	Credit Points	%Test	% Examination	% Coursework	% Practical	Semesters
Full Title	Short Form							
Linear Modelling	LM	6FTCxxxx	15	40	0	60	0	A
Advanced Machine Learning and Neural Networks	AMLNN	6FTCxxxx	15	0	40	60	0	A
Data Science Project	DSP	6FTCxxxx	30	0	0	80	20	AB
Computer Vision and Natural Language Processing	NLP	6FTCxxxx	30	0	0	100	0	AB
Multivariate Statistics	MS	6FTCxxxx	15	50	0	50	0	B
Next Generation Data Science	NGDS	6FTCxxxx	15	0	0	100	0	B