

BS 04 Years & Associate Degree in Statistics

Course Title	Course Code	Course Type	Credit Hour
Semester 1			
Functional English	GENG-101	General	<u>3</u>
Civics and Community Engagement	GCCE-101	General	<u>2</u>
Islamic Studies / Ethics (for Non-Muslims)	GISL-101 / GETH-101	General	<u>2</u>
Introduction to Statistics	STAT-101	Major	<u>3</u>
Calculus	SMTH-101	Major	<u>3</u>
Tarjuma-e-Quran	HQ-001	Compulsory	<u>0</u>
Everyday Science (NS)	NSS-104	General	<u>3</u>
			Total Credit Hours 16
Semester 2			
Introduction to Health and Physical Education (AH)	APED-111	General	<u>2</u>
Quantitative Reasoning (I)	GQR-101	General	<u>3</u>
Entrepreneurship	GENT-101	General	<u>2</u>
Ideology and Constitution of Pakistan	GICP-101	General	<u>2</u>
Linear Algebra	SMTH-102	Major	<u>3</u>
Probability Theory and Applications	STAT-102	Major	<u>3</u>
Tarjuma-e-Quran	HQ-002	Compulsory	<u>1</u>
			Total Credit Hours 16
Semester 3			
Applications of Information and Communication Technologies	GICT-201	General	<u>3</u>
Expository Writing	GENG-201	General	<u>3</u>
Programming with R	STAT-203	Major	<u>3</u>
Statistical Methods-I	STAT-202	Major	<u>3</u>
Regression Analysis	STAT-201	Major	<u>3</u>
Tarjuma-e-Quran	HQ-003	Compulsory	<u>0</u>
			Total Credit Hours 15
Semester 4			
<u>GEN(SS)</u>		General	<u>2</u>
Quantitative Reasoning (II)	GQR-202	General	<u>3</u>
Applied Statistics	STAT-206	Major	<u>3</u>
Statistical Computing	STAT-205	Major	<u>3</u>
Statistical Methods-II	STAT-204	Major	<u>3</u>
Tarjuma-e-Quran	HQ-004	Compulsory	<u>1</u>
			Total Credit Hours 15
Semester 5			
Interdisciplinary	N/A	Major	<u>3</u>
Interdisciplinary	N/A	Major	<u>3</u>
Probability and Probability Distributions-I	STAT-303	Major	<u>3</u>
Sampling Techniques-I	STAT-302	Major	<u>3</u>
Experimental Design	STAT-301	Major	<u>3</u>
Tarjuma-e-Quran	HQ-005	Compulsory	<u>0</u>
			Total Credit Hours 15
Semester 6			
Interdisciplinary		Interdisciplinary	<u>3</u>
Interdisciplinary		Interdisciplinary	<u>3</u>
Probability and Probability Distributions-II	STAT-306	Major	<u>3</u>
Multivariate Analysis	STAT-305	Major	<u>3</u>
Sampling Techniques-II	STAT-304	Major	<u>3</u>
Tarjuma-e-Quran	HQ-006	Compulsory	<u>1</u>
			Total Credit Hours 16
Semester 7			
Fieldwork	STAT-401	Major	<u>3</u>
Elective-I		Major	<u>3</u>
Research Methods	STAT-404	Major	<u>3</u>
Time Series Analysis	STAT-403	Major	<u>3</u>
Statistical Inference-I	STAT-402	Major	<u>3</u>
Tarjuma-e-Quran	HQ-007	Compulsory	<u>0</u>
Elective-II		Major	<u>3</u>
			Total Credit Hours 18
Semester 8			
Capstone Project	STAT-405	Major	<u>3</u>
Elective-III		Major	<u>3</u>
Machine Learning	CSTA-304	Major	<u>3</u>
Econometrics	STAT-407	Major	<u>3</u>
Statistical Inference-II	STAT-406	Major	<u>3</u>
Tarjuma-e-Quran	HQ-008	Compulsory	<u>1</u>
Elective-IV		Major	<u>3</u>
			Total Credit Hours 19

Signature