

Course Title	Course Code	Course Type	Credit Hour
Semester 1			
Functional English	GENG-101	General	<u>3</u>
Single Variable Calculus	MATH-101	Major	<u>3</u>
Tarjuma-e-Quran	HQ-001	Compulsory	<u>0</u>
GEN(AH)	01-	General	<u>2</u>
Quantitative Reasoning (I)	GQR-101	General	<u>3</u>
Ideology and Constitution of Pakistan	GICP-101	General	<u>2</u>
GEN(SS)	01-	General	<u>2</u>
			Total Credit Hours 15
Semester 2			
Civics and Community Engagement	GCCE-101	General	<u>2</u>
Islamic Studies / Ethics (for Non-Muslims)	GISL-101 / GETH-101	General	<u>2</u>
Discrete Mathematics	MATH-104	Major	<u>3</u>
Entrepreneurship	GENT-101	General	<u>2</u>
Introduction to Graph Theory	MATH-103	Major	<u>3</u>
Plane Curves & Analytic Geometry	MATH-102	Major	<u>3</u>
Tarjuma-e-Quran	HQ-002	Compulsory	<u>1</u>
			Total Credit Hours 16
Semester 3			
GEN(NS)	01-	General	<u>3</u>
Expository Writing	GENG-201	General	<u>3</u>
Number Theory	MATH-203	Major	<u>3</u>
Ordinary Differential Equations	MATH-202	Major	<u>3</u>
Multivariable Calculus	MATH-201	Major	<u>3</u>
Tarjuma-e-Quran	HQ-003	Compulsory	<u>0</u>
			Total Credit Hours 15
Semester 4			
Applications of Information and Communication Technologies	GICT-201	General	<u>3</u>
Quantitative Reasoning (II)	GQR-202	General	<u>3</u>
Group Theory	MATH-206	Major	<u>3</u>
Fundamentals of Mechanics	MATH-205	Major	<u>3</u>
Real Analysis	MATH-204	Major	<u>3</u>
Tarjuma-e-Quran	HQ-004	Compulsory	<u>1</u>

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