

BS 04 Years & Associate Degree in Geographic Information Systems

Course Title	Course Code	Course Type	Credit Hour
Semester 1			
Quantitative Reasoning I	GQR-101	General	<u>3</u>
Introduction to Geographic Information Systems (Theory)	GIS-101	Major	<u>2</u>
Functional English	GENG-101	General	<u>3</u>
Physical Geography	GES-102	Major	<u>3</u>
Applications of Information and Communication Tehcnologies	GE-160A	General	<u>3</u>
Introduction to Environmental Sciences	ENSC-101	Interdisciplinary	<u>3</u>
Fehm-e-Quran	HQ-001N	Compulsory	<u>0</u>
Introduction to Geographic Information Systems (Practical)	GIS-101L	Major	<u>1</u>
			Total Credit Hours 18
Semester 2			
<u>GEN(AH)</u>		General	<u>2</u>
Linear Algebra and Applications	CC-108	Interdisciplinary	<u>3</u>
Islamic Studies/Ethics	CC-112	Compulsory	<u>2</u>
Introduction to Computer Programming	GC-109	General	<u>3</u>
Applied Physics	GC-110	General	<u>3</u>
Human Geography/Environmental and Engineering Geology	GES-111	General	<u>3</u>
Introduction to Remote Sensing	RS-107	Major	<u>3</u>
Fehm-e-Quran	HQ-002N	Compulsory	<u>1</u>
			Total Credit Hours 20
Semester 3			
Object Oriented Programming	IT-202	General	<u>3</u>
Cartography	GES-203	Major	<u>3</u>
Introduction to Photogrammetry	RS-204	Major	<u>3</u>
Geodesy and Surveying	GES-205	Major	<u>3</u>
Geo Statistics	GIS-207	General	<u>3</u>
Tarjuma-e-Quran	HQ-003	Compulsory	<u>0</u>
			Total Credit Hours 15
Semester 4			
<u>GEN(SS)</u>		General	<u>3</u>
Quantitative Reasoning (II)	GQR-201	General	<u>3</u>
major		Major	<u>3</u>
major		Major	<u>3</u>
major		Major	<u>3</u>
Tarjuma-e-Quran	HQ-004	Compulsory	<u>1</u>
			Total Credit Hours 16
Semester 5			
Interdisciplinary		Interdisciplinary	<u>3</u>
Interdisciplinary		Interdisciplinary	<u>3</u>
major		Major	<u>3</u>
major		Major	<u>3</u>
major		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>
major		Major	<u>3</u>
major		Major	<u>3</u>
major		Major	<u>3</u>
Tarjuma-e-Quran	HQ-006	Compulsory	<u>1</u>
			Total Credit Hours 16
Semester 7			
Fieldwork / Intership		Major	<u>3</u>
major		Major	<u>3</u>
major		Major	<u>3</u>
major		Major	<u>3</u>
major		Major	<u>3</u>
Tarjuma-e-Quran	HQ-007	Compulsory	<u>0</u>
			Total Credit Hours 15
Semester 8			
Capstone Project		Major	<u>3</u>
major		Major	<u>3</u>
major		Major	<u>3</u>
major		Major	<u>3</u>
major		Major	<u>3</u>
Tarjuma-e-Quran	HQ-008	Compulsory	<u>1</u>
			Total Credit Hours 16

Signature