

## Associate Degree in Information Technology

Course Title	Course Code	Course Type	Credit Hour
<b>Semester 1</b>			
Functional English	GENG-101	General	<u>3</u>
Fehm-e-Quran	HQ-001N	Compulsory	<u>0</u>
Applications of Information and Communication Technologies	GE-160	General	<u>2</u>
Applications of Information and Communication Technologies Lab	GE-160L	General	<u>1</u>
Discrete Structures	GE-167	General	<u>3</u>
Programming Fundamentals	CC-112	Major	<u>3</u>
Programming Fundamentals Lab	CC-112L	Major	<u>1</u>
Digital Logic Design	CC-110	Major	<u>2</u>
Digital Logic Design Lab	CC-110L	Major	<u>1</u>
Math Deficiency – I	MD-001	General	<u>3</u>
Ideology and Constitution of Pakistan (Only for Fall, 2024)	GICP-101	General	<u>2</u>
Pakistan Studies (For students of Fall, 2025 and onwards)	GPST-201	General	<u>2</u>
			<b>Total Credit Hours 23</b>
<b>Semester 2</b>			
Object Oriented Programming Lab	CC-211L	Major	<u>1</u>
Object Oriented Programming	CC-211	Major	<u>3</u>
Fehm-e-Quran	HQ-002N	Compulsory	<u>1</u>
Probability and Statistics	MS-251	General	<u>3</u>
Expository Writing	GENG-201	General	<u>3</u>
Islamic Studies GISL-101 \ Ethics (For Non-Muslims) GETH-101		General	<u>2</u>
Math Deficiency – II	MD-002	General	<u>3</u>
Software Engineering	CC-212	Major	<u>3</u>
Database Systems	CC-215	Major	<u>3</u>
Database Systems Lab	CC-215L	Major	<u>1</u>
			<b>Total Credit Hours 23</b>
<b>Semester 3</b>			
Tarjuma-e-Quran	HQ-003	Compulsory	<u>0</u>
Data Structures	CC-213	Major	<u>3</u>
Data Structures Lab	CC-213L	Major	<u>1</u>
Computer Networks	CC-214N	Major	<u>2</u>
Computer Networks (Lab)	CC-214L	Major	<u>1</u>
Artificial Intelligence	CC-310	Major	<u>2</u>
Artificial Intelligence Lab	CC-310L	Major	<u>1</u>
Operating Systems	CC-311	Major	<u>2</u>
Operating Systems (Lab)	CC-311L	Major	<u>1</u>
Calculus & Analytical Geometry	GE-162	Major	<u>3</u>
Web Technologies	DI-322	Major	<u>2</u>
Web Technologies (Lab)	DI-322L	Major	<u>1</u>
			<b>Total Credit Hours 19</b>
<b>Semester 4</b>			
Information Security	CC-312	General	<u>3</u>
Global IT Services and Workspace	EI-236	Major	<u>2</u>
Global IT Services and Workspace (Lab)	EI-236L	Major	<u>1</u>
Mobile Application Development	EI-333	Major	<u>2</u>
Mobile Application Development (Lab)	EI-333L	Major	<u>1</u>
Data Science	EI-334	Major	<u>2</u>
Data Science (Lab)	EI-334L	Major	<u>1</u>
Cloud Computing	EI-339	Major	<u>2</u>
Cloud Computing (Lab)	EI-339L	Major	<u>1</u>
Entrepreneurship	GE-362	Major	<u>2</u>
Tarjuma-e-Quran	HQ-004	Compulsory	<u>1</u>
			<b>Total Credit Hours 18</b>
<b>Semester 5</b>			
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>
			<b>Total Credit Hours 15</b>
<b>Semester 6</b>			
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>
			<b>Total Credit Hours 16</b>
<b>Semester 7</b>			
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>
			<b>Total Credit Hours 15</b>
<b>Semester 8</b>			
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>
			<b>Total Credit Hours 16</b>
			<b>Signature</b>