



MS-AI IN PHARMA HEALTHCARE CURRICULUM

**RIPHAH INSTITUTE OF PHARMACEUTICAL SCIENCES
(RIPS)**

**RIPHAH INTERNATIONAL UNIVERSITY
ISLAMABAD, PAKISTAN**

MS-AI in Pharma Healthcare

Semester 1:

Course Code	Course Title	Theory (Cr. Hrs.)
APH-701	Programming Paradigms in Artificial Intelligence	3
APH-702	Translational Data Science & Computational Modeling	3
APH-703	Machine Learning in Drug Discovery & Development	3
APH-704	Advanced Smart Diagnostics and Precision Medicine	3
APH-705	Understanding of Quran -I (Fehm-e-Quran I)	1
	Total Credit Hours	13

Semester 2:

Course Code	Course Titles	Theory (Cr. Hrs.)
APH-711	AI-Integrated Clinical Pharmacy & Drug Safety	3
APH-712	Augmented Reality Role in Improved Therapeutics	3
APH-713	AI-Enabled Telemedicine & Digital Health	3
APH-714	Ethical Considerations in Artificial Intelligence	1
APH-715	Understanding of Quran -II (Fehm-e-Quran II)	1
APH-716	Frontiers of AI-Driven Biomedicine Research & Innovations	2
	Total Credit Hours	13

3 & 4 Semesters:

Course Code	Course Title	Theory (Cr. Hrs.)
APH-717	AI Application in Healthcare Governance, Regulatory Compliances & Patient Safety	3
APH-718	Next-generation Green AI Technology	3
	OR	
APH-721	Thesis	6