

Master's in Technology in Pharmaceutical Development and Practice / Thesis Track

1. Compulsory courses (15 credit hours)

Course code	Course name	Credit hours	Pre-requisite
PHRM 601	Research Methods and Biostatistics	3	
PHRM 602	Advanced Instrumental analysis and Spectroscopy for Drug Development	3	
PHRM 603	Good manufacturing practices	2	
PHRM 604	Biopharmaceutics and advanced drug delivery systems	3	
PHRM 605	Advanced Pharmacy Practice	3	
PHRM 606	Seminar in Pharmacy	1	

2. Elective courses (9 credit hours)

Course code	Course name	Credit hours	Pre-requisite
PHRM 608	Molecular Modeling in Drug Design and Discovery	3	
PHRM 610	Advanced Medicinal and Stereochemistry	3	
PHRM 611	Advanced Chemistry of Natural products	3	
PHRM 612	Advanced Phytotherapy	3	
PHRM 613	Pharmaceutical Bionanotechnology	3	
PHRM 614	Pharmaceutical Technology and Drug Stability	3	
PHRM 615	Digital technology in drug development	3	
PHRM 616	Selected topics in Pharmaceutics and Pharmaceutical Technology	3	
PHRM 607	Pharmacy Practice Research Design and Theories	3	
PHRM 617	Advanced Clinical Therapeutics	2	PHRM 607 Pre -or Co-Requisite
PHRM 618	Advanced Clinical training-1	1	PHRM 617 Co-Requisite
PHRM 619	Clinical Application in specific systems	2	PHRM 607 Pre -or Co-Requisite
PHRM 620	Advanced Clinical training-2	1	PHRM 619 Co-Requisite
PHRM 621	Advanced Pharmacoeconomics	3	PHRM 607 Pre -or Co-Requisite
PHRM 622	Experimental Pharmacology and Therapeutics	3	PHRM 607 Pre -or Co-Requisite
PHRM 623	Selected topics in Pharmacy Practice and Therapeutics	3	PHRM 607 Pre -or Co-Requisite

3. Preparation of a Master Level Thesis and passing its defense exam. The master thesis is (9) credit hours appearing for registration purposes as follows:

PHRM699A	Master thesis	0	
PHRM699B	Master thesis	3	
PHRM699C	Master thesis	6	
PHRM699D	Master thesis	9	

The total number of credit hours (33 hours)