MS PHARMACEUTICAL SCIENCES INDUSTRIAL PHARMACY OPTION (ODD YEAR ADMISSION)

FIRST YEAR (FALL SEMSTER)	FIRST YEAR (SPRING SEMESTER)
PHPR 5720 Pharmaceutical Rate Process.....3	PUBH 6000 Biostatistics.....3
CHEM 6300 Advanced Analytical Chemistry.....4	PHPR 6860 Advanced Drug Delivery Lab.....2
Elective…….....2	PHPR 6980 Special Topics……1
	PHPR 6960 MS Thesis Research 3
Total Hours 9	**Total Hours 9**
SUMMER	**PHPR 6960 MS THESIS Research……..……1-4** **MBC 5100 Practices in Pharmaceutical Research.....1**
SECOND YEAR (FALL SEMSTER)	**SECOND YEAR (SPRING SEMESTER)**
PHCL 5760 Toxicokinetics.....3	PHPR 6960 MS Thesis Research 1
PHPR 5770 Advanced Drug Delivery Systems I.....3	
PHPR 6960 MS Thesis Research 2	
PHPR 6950 Seminar 1	
Total Hours 9	**Total Hours 1**

MS PHARMACEUTICAL SCIENCES INDUSTRIAL PHARMACY OPTION (EVEN YEAR ADMISSION)

FIRST YEAR (FALL SEMSTER)	FIRST YEAR (SPRING SEMESTER)
PHCL 5760 Toxicokinetics.....3	PUBH 6000 Biostatistics.....3
PHPR 5770 Advanced Drug Delivery Systems I.....3	PHPR 6860 Advanced Drug Delivery Lab.....2
PHPR 6960 MS Thesis Research 2	PHPR 6980 Special Topics……1
PHPR 6950 Seminar 1	PHPR 6960 MS Thesis Research 3
Total Hours 9	**Total Hours 9**
SUMMER	**PHPR 6960 MS THESIS Research……..……1-4** **MBC 5100 Practices in Pharmaceutical Research.....1**
SECOND YEAR (FALL SEMSTER)	**SECOND YEAR (SPRING SEMESTER)**
CHEM 6300 Advanced Analytical Chemistry.....4	PHPR 6960 MS Thesis Research 1
PHPR 5720 Pharmaceutical Rate Process.....3	
Elective…….....2	
Total Hours 9	**Total Hours 1**

Electives		
Course number	**Course title**	**Credit hours**
PHPR 5780	Advanced drug delivery systems-II	2
PHPR 5700	Equilibrium Phenomenon	2
MBC 5620	Biochemical Techniques	2
PHPR 5710	Selected topics in Pharmaceutical Technology	2-3
PHPR 5990	Problems in Pharmacy Practice	1-6
PHPR 6530	Research methods in pharmacy practice	2
CHEM 6810	Material sciences- I	4
CHEM 6310	Separation methods	2-4

1) *6 thesis credit hours are the required minimum; more than 6 credit hours can be taken.
2) **Elective must be satisfied by taking courses within the PHPR Department.