Master of Science Program in **Pharmacology**

Research Focus

- Molecular Biology
- Pharmacokinetic/Pharmacodynamic
- Natural Product Research
- Health Science Research
- Toxicology

Structure of the Program

1. Credit Requirements *

Requirements	Option 1.1	Option 1.2
Coursework	-	24
- Core Courses	-	15
- Electives	-	9
Required Non-credit Courses	5	5
Thesis	36	12
Total	**36**	**36**

* Minimum credits required

2. Core Courses

Requirements	Option 1.1		Option 1.2	
	Course No.	Cr.	Course No.	Cr.
Applied Biostatistics for Pharmaceutical Sciences	-	-	161703	3
Advanced Cell and Molecular Biology	-	-	164701	3
Principle of Pharmacology 1	-	-	164702	3
Principle of Pharmacology 2	-	-	164703	3
Laboratory Techniques in Pharmacology	-	-	164704	3
Total	-	-	**5**	**15**

3. Electives

Requirements	Option 1.1		Option 1.2	
	Course No.	Cr.	Course No.	Cr.
Drug Receptor Pharmacology	-	-	164705	3
Vascular Biology and Pharmacology	-	-	164706	3
Drug Metabolism	-	-	164707	3
Pharmacokinetics Modeling	-	-	164708	3
Advanced Immunopharmacology	-	-	164709	3
Advanced Neuropharmacology	-	-	164710	3
Pharmacogenomics	-	-	164711	3
Toxicology	-	-	164712	3
Principle of Genetics	-	-	164713	3
Signal Transduction	-	-	164714	3
Current Concepts in Pharmacology and Piomolecular Sciences	-	-	164715	3
Special Topic in Pharmacology and Biomolecular Sciences	-	-	164716	3
Total	-	-	≥3	≥9

4. Required Non-credit Courses

Requirements	Option 1.1		Option 1.2	
	Course No.	Cr.	Course No.	Cr.
Research Methodology in Health Science	160704	3	160704	3
Seminar 1	164796	1	164796	1
Seminar 2	164797	1	164797	1
Total	**3**	**5**	**3**	**5**

5. Thesis Credit Requirements

Requirements	Option 1.1		Option 1.2	
	Course No.	Cr.	Course No.	Cr.
Thesis 1, Option 1.1	164790	6	-	-
Thesis 2, Option 1.1	164791	6	-	-
Thesis 3, Option 1.1	164792	12	-	-
Thesis 4, Option 1.1	164793	12	-	-
Thesis 1, Option 1.2	-	-	164798	6
Thesis 2, Option 1.2	-	-	164799	6
Total	**4**	**36**	**2**	**12**