

Department of Pharmacy

Program Offered:

Master of Science in Pharmacy

Vision

To impart research-oriented Pharmacy education in the country with visionary abilities.

Mission

The mission of the department is to prepare pharmacy graduates whose scientific knowledge and skills enable them to work with the pace to ensure the quality in the design, manufacture, distribution, safe and effective use of pharmaceuticals in the society and clinical setting.

Master of Science in Pharmacy

Minimum Duration : 4 Semesters, 2 Years
Maximum Duration : 8 Semesters, 4 Years
Minimum CGPA required to earn degree 2.50

Program Code 018
Number of Courses 12-15
Credit Hours 37-42

Program Objectives:

The program objectives are to:

- Prepare graduates for better pharmacy practices in the areas including clinical pharmacy, community pharmacy, hospital pharmacy, industrial pharmacy and Academics.

Instigate, encourage and maintain inventive research in the field of Pharmacy

Make our graduates more skillful, competitive and knowledgeable both practically and theoretically

Program Outcomes:

After completion of the program, scholars are able to;

- Contribute and update graduates regarding the advancements in pharmaceutical science and capable of catering the needs of national and international health organizations.
- Apply knowledge gained in the department to contribute in national or international organizations.
- Demonstrate efficient oral and written communication skills.

Eligibility

Candidate having degrees in (B.Pharm 4 years /Pharm-D) with 2.00 CGPA on the scale of 4.00 in semester system or at least 50% marks in annual system from any recognized institute/university is eligible to apply.

Applicant needs to pass GAT (General) to be conducted by NTS/ETEA/any Registered Testing Agency or University, with at least 50% cumulative score and to clear departmental interview at the time of Admission.

Course Code	Course Title	Cr. Hrs.II
RES800	Research Methods in Pharmacy (Compulsory)	2-0
	Major Course I	3-0
	Major Course II	3-0
	Major Course III	3-0

SEMESTER ONE

Course Code	Course Title	Cr. Hrs.II
PHC821	Biostatics (Compulsory)	2-0
	Major Course IV	3-0
	Major Course V	3-0
	Major Course VI	3-0

SEMESTER TWO

SEMESTER THREE

Course Code	Course Title	Cr. Hrs. 12-9
Plan A: Course work		
	Major Course VII	3-0
	Major Course VIII	3-0
	Minor Course I	3-0
	Minor Course II	3-0
Plan B: Research work		
	Major Course VII	3-0
	Minor Course I	3-0
	Minor Course II	3-0

SEMESTER FOUR

Course Code	Course Title	Cr. Hrs. 8-6
Plan A:		
	Major Course IX	3-0
	Major Course X	3-0
RES845	Project in Pharmacy	2-0
Plan B:		
RES850	Research Thesis	0-6

List of Core Courses Pharmaceutical Chemistry

Course Code	Course Title	Cr. Hrs.
PHC 823	Drug Design	3-0
PHC 825	Spectrophotometer Analysis	3-0
PHC 827	Drug Stability	3-0
PHC 829	Clinical Chemistry	3-0
PHC 831	Electro Analytical Techniques	3-0
PHC 822	Solvent Extraction and Chromatographic Techniques	3-0
PHC 824	Medicinal Chemistry	3-0
PHC 826	Polymer Chemistry	3-0
PHC 828	Computer Application in Pharmacy	3-0
PHC 830	Macromolecular Targets	3-0
PHC 832	Carbohydrate Chemistry	3-0
PHC 833	Spectroscopic Techniques in Structure Elucidation	3-0
PHC 835	Physical Organic Chemistry	3-0
PHC 837	Quality Control in Quality Assurance	3-0

Pharmaceutics

Course Code	Course Title	Cr. Hrs.
PCU 823	Immunity and Infection	3-0
PCU 825	Pharmaceutical Marketing	3-0
PCU 827	Biopharmaceutics and Pharmacokinetics	3-0
PCU 829	Microbial Control in Pharmaceuticals	3-0
PCU 831	Quality Assurance and Quality Control	3-0
PCU 822	Physical Pharmacy-I	3-0
PCU 824	Formulation & Product Development	3-0
PCU 826	Pharmacotherapy-I	3-0
PCU 828	Pharmacotherapy-II	3-0
PCU 830	Pharmacotherapy-III	3-0
PCU 832	Personal Management	3-0
PCU 833	Computer Application in Pharmacy	3-0
PCU 835	Antimicrobial Agents	3-0
PCU 837	Physical Pharmacy-II	3-0
PCU 839	Pharmacotherapy-IV	3-0
PCU 841	Pharmacotherapy-V	3-0
PCU 843	Pharmacotherapy-VI	3-0