

## Current Course Curriculum

### First Year - Semester - I

Code	Title	Credits
MATH 111	Calculus and Algebra	3
PHYS 101	General Physics I	3
PHYS 103	Physic Lab Work	1
CHEM 101	General Chemistry	3
BIOL 101	General Biology	2
COMP 101	Information Systems Technology	2
ENGG 101	Engineering Project Preparation	2
EDRG 101	Engineering Drawing I	2
ENGT 101	Communication Skills I	2
	Total Credit Hours	20

### First Year - Semester - II

Code	Title	Credits
MATH 102	Statistics and Probability	3
PHYS 102	General Physics II	3
COMP 102	Computer Programming	3
ENGG 102	Engineering Project	2
EDRG 102	Engineering Drawing II	2
ENGT 102	Communication Skills II	2
CHEM 102	Inorganic Chemistry	2
PHAR 111	Foundation Course in Pharmacy	3
	Total Credit Hours	20

### Second Year - Semester - I

Code	Title	Credits
MATH 206	Statistical Analysis	3
PHAR 201	Pharmaceutical Microbiology Lab	3
PHAR 202	Pharmaceutical Microbiology Lab	1
PHAR 203	Human Physiology and Pathophysiology I	3
PHAR 204	Pharmacognosy I	2
PHAR 205	Pharmacognosy Lab	1
CHEM 201	Reaction Mechanism and Stereochemistry	3
PHAR 216	Inorganic Pharmaceutical Chemistry	2
PHAR 217	Inorganic Pharmaceutical Chemistry Lab	1
	Total Credit Hours	19

### Second Year - Semester - II

Code	Title	Credits
BIOL 206	Biochemistry	2
PHAR 211	Biochemistry Laboratory	1
PHAR 212	Human Physiology and Pathophysiology II	3
PHAR 213	Human Physiology & Pathophysiology Lab	1
PHAR 214	Pharmacognosy II	2
PHAR 215	Pharmacognosy Lab	1
CHEM 203	Organic Chemistry	3
CHEM 212	Quantitative Analysis	3
CHEM 213	Quantitative Analysis Lab	2
	Total Credit Hours	18

### Third Year - Semester - I

Code	Title	Credits
PHAR 301	Physical Pharmacy	3
PHAR 302	Physical Pharmacy Lab	1
PHAR 303	Pharmacology & Toxicology I	3
PHAR 304	Pharmaceutical Chemistry of Natural Products	3
PHAR 305	Pharmaceutical Chemistry Lab	1
INAN 301	Instrumental Analysis	3
INAN 302	Instrumental Analysis Laboratory	2
MGTS 301	Engineering Economic	3
	Total Credit Hours	19

### Third Year - Semester - II

Code	Title	Credits
PHAR 311	Pharmacology and Toxicology II	3
PHAR 312	Pharmacology and Toxicology Lab	1
PHAR 313	Biological Pharmacy	2
PHAR 314	Biological Pharmacy Lab	1
PHAR 315	Biopharmaceutics and Pharmacokinetics	3
PHAR 316	Medicinal Chemistry	4
PHAR 317	Medicinal Chemistry Lab	1
MGTS 302	Business Management	3
	Total Credit Hours	18

### Fourth Year - Semester - I

Code	Title	Credits
PHAR 401	Pharmacy Practice I	2
PHAR 402	Hospital Pharmacy	2
PHAR 403	Pharmacy practice & Hospital Pharmacy Lab	1
PHAR 404	Industrial Pharmacy I	3
PHAR 405	Industrial Pharmacy Lab	1
PHAR 406	Quality Assurance and GMP	2
PHAR 407	Quality Assurance Lab	2
PHAR 408	Pharmacotherapeutics	3
MGTS 402	Entrepreneurship Development	3
	Total Credit Hours	19

### Fourth Year - Semester - II

Code	Title	Credits
PHAR 411	Pharmacy Practice II	2
PHAR 412	Clinical Pharmacy	2
PHAR 413	Pharmacy practice & Clinical Pharmacy Lab	1
PHAR 414	Industrial Pharmacy II	3
PHAR 415	Industrial Pharmacy and Pharmaceutical Biotechnology Lab	1
PHAR 416	Forensic Pharmacy	1
PHAR ***	Elective	3
PHAR 418	Project Work	4
PHAR 422	Pharmaceutical Biotechnology	2
	Total Credit Hours	19

Total credits for entire course 152

# Bachelor of Pharmacy (BPharm)

## Department of Pharmacy



**KATHMANDU UNIVERSITY**  
 "Quality Education for Leadership"

For further information, contact:

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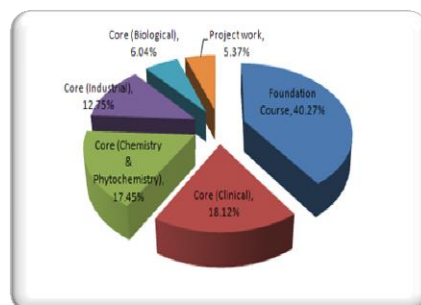
Website: <http://www.ku.edu.np/pharmacy>

## Introduction

Department of Pharmacy, Kathmandu University is the pioneer to launch BPharm, MPharm, PharmD (Post Baccalaureate) and PhD in Pharmaceutical Sciences in Nepal. The Bachelor of Pharmacy is a 4 year duration program comprising of 8 semesters. The program provides strong foundation of basic science subjects in the first year of study and progressively more specific pharmacy related subjects in the subsequent years. In the fourth year, a final year project must be completed on a topic of choice by each student as a requirement for successful completion of the course. The department lays strong emphasis on facilitating learning by doing. Each course is given an adequate practical component. At each level students do assignments and projects with varying degree of complexity. Students will have an opportunity to tap their genuine potential and promote themselves in developing the learning skills for achieving the goal, attaining the total educational behavior change. The main teaching tools are lectures, oral presentation, class discussion, field visits and case studies. Students will be motivated for group discussion, project presentation, seminar and workshop organization, research conduction, report writing and presentation.

## Curriculum

The course work comprises basic sciences (Foundation courses), professional core subjects (Chemistry & Phyto-chemistry, Industrial, Biological and Clinical) and projects. The total of 152 credits is earned over the period of 8 semesters. The percentage division of credits among the various courses is as follows:



## Evaluation

During study, performance of the student is continuously assessed through In-semester and End-semester evaluations. Several evaluation criteria such as class participation, term papers, tests, assignments, presentations, practical, mini-projects and presentation of final-year project reports are used for the continuous In-semester evaluation, and End-semester examination. At the end of each semester, students are awarded letter grades as per following letter grade and grade-point-valuation system:

Grade	A	A-	B+	B	B-	C+	C	C-	D	F
Grade Point	4	3.7	3.3	3	2.7	2.3	2	1.7	1	0

In order to complete BPharm, students are required to maintain a minimum of 2.0 Cumulative Grade Point Average (CGPA). No student is allowed to graduate with 'F' in any particular course. The maximum time allowed to complete the BPharm degree is seven years from the date of admission into the program.

## Admission

Applications for admission to the program are typically invited in the month of July. To be eligible for applying, the candidate must have completed Intermediate in Science or 10+2 or equivalent with minimum of 50% marks in aggregate and 50% in physics, chemistry and biology (PCB) or physics, chemistry and mathematics (PCM). Candidate with GCSE A-Level should have minimum 'C' grade in each of the required subjects. Applicant's proficiency in prerequisites (physics, chemistry, biology and mathematics) is tested through a computer based test (CBT). Following the CBT, short-listed candidates will be called for interview to access their aptitude. After the interview, the list of candidates eligible for admission is published. The session starts in the month of August.



## Cost and Financial Assistance

The total cost of the BPharm program is NRs. 5,80,000 which is to be paid to the University in 16 installments. The University provides loan scholarship and financial aid for the needy students. Detailed and most current information can be found at the website of the university.



## Venue

The classes are held at the Department of Pharmacy, School of Science, Kathmandu University, Dhulikhel, Kavre. The University is located on a hilltop with 17 hectares of land, 28 km east of capital, Kathmandu.

The peaceful environment and panoramic view of the Himalayan range are unique site characteristics that are conducive to a healthy atmosphere for learning.



## Future Prospectus

Graduates of KU's four-year Bachelor in Pharmacy have number of key advantages for future study or work. The degree is fully recognized by universities throughout the world and graduates are eligible for admission into Master's Degree programs abroad or within Kathmandu University itself. Many of our graduates have successfully joined graduate degree programs with scholarship/ fellowship/ assistantship support in universities in Asia, Europe and the US. Moreover, the rigorous practical and project-based training prepares our graduates for entry-level positions in pharmaceutical industries, hospitals, academics, government and community based organizations. Higher level graduate studies are recommended for long term career placement/advancement in this field of endeavor.

