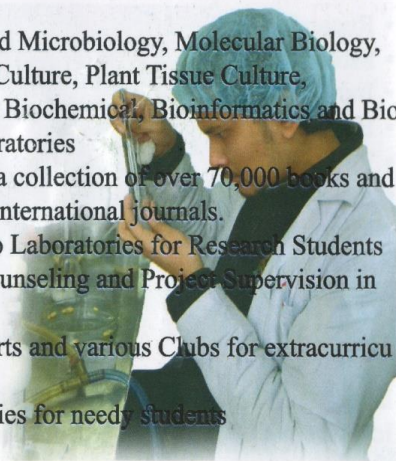


Facilities

- Well-equipped Microbiology, Molecular Biology, Animal Cell Culture, Plant Tissue Culture, Immunology, Biochemical, Bioinformatics and Bioprocess Laboratories
- Library with a collection of over 70,000 books and national and international journals.
- 24/7 access to Laboratories for Research Students
- Academic Counseling and Project Supervision in off-hours.
- Canteen, Sports and various Clubs for extracurricular activities
- Hostel Facilities for needy students



Student Club

Our students are involved in various extra-curricular activities through Departmental Club KUBiC (Kathmandu University Biotechnology Creatives) and other clubs of the University.

Various events carried out by KUBiC are:

- All Nepal Bio-tech Cup
- DNA Day Celebration
- Bio-tech Meet
- Departmental Bio-tech Cup



Faculty

Professor

Dr. Janardan Lamichhane (NAST Academician)

Associate Professors

Dr. Sangita Shakya (Head Of Department)

Dr. Subodh K Upadhyaya

Dr. Dhurva P Gauchan

Dr. Bhupal G Shrestha

Assistant Professors

Parash Mani Timilsina

Aashna Dhakal

Dr. Hitesh K Bhattarai

Lecturers

Simon K Shrestha

Dr. Amol Dahal

Teaching Assistant

Sandesh Acharya

Lab & Office Staff

Rupa Kshetri

Sunil Maharjan

Pramila K.C.

For detailed information

**Department of Biotechnology
School of Science, KU**

Contact no.: 977-011-{415100, 415200, 415021}

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KU Web: <https://biot.ku.edu.np/>

Facebook: www.facebook.com/kubiotech/



KATHMANDU UNIVERSITY

"Quality Education for Leadership"



**Department of Biotechnology
School of Science**

PROGRAM INFORMATION

**B. Tech.
in
Biotechnology**

2019

Introduction

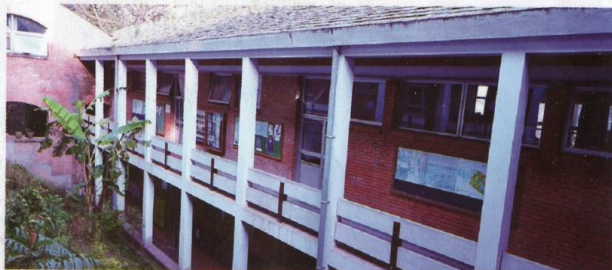
Kathmandu University (KU) was established by the act of parliament of Nepal in November 1991, as an autonomous not-for-profit, non-governmental institution dedicated to maintaining high standards of academic excellence. Most of the technical and professional programs run at KU are first to be introduced in the country, with global recognition.

Biotechnology

Biotechnology is a frontier area offering a new technological base to understand the living beings at the molecular level, unravel the genetic codes that govern biological processes, and thereby be able to manipulate those for the betterment of humankind.

A career in biotechnology is not just a job, it is an invitation to participate in the development of new products and processes that could improve the quality of human life.

Why Biotechnology at KU?



The Department of Biotechnology, the first of its kind in Nepal, was established at Kathmandu University in 2003 with the aim of responding to a sharp shortage of graduate biotechnologists in the national bio-industries and allied areas with a mission to cater to the requirement of the country and contribute to generating new knowledge in the field of biotechnology.

We have designed the curriculum to provide a solid foundation in principles underlying modern biology and integrated it with rigorous training in a variety of laboratory skills and applications.

This aptly prepares students for thriving under current dynamic and interdisciplinary approach in science, more specifically modern biology. Additionally, seminars, workshops and presentation on a multitude of emerging trends in the field as well as scientific papers will enhance critical appraisal skills and oral articulateness.

Key Features of the Program

- Qualified human resource
- Project Work during the final semester and dissertation.
- Four years program compatible with international standards
- Regular tutorial class
- Internship
- Field Trips and Industrial Tours
- A foundation of laboratory skills with theoretical knowledge.

Career Opportunities

- Research and development in the processing of diverse biological materials and for managing bio-industries.
- Employment in industries like chemicals, pharmaceuticals, food and beverages, agriculture, forensics, disease and diagnosis, education and environmental protection bodies.
- Prepare students for Masters or Doctoral Levels
- Entrepreneurship opportunities.

Duration of the Program

The total duration of the program is eight semesters. Each year consists of two semesters. The academic year usually starts in August.

Major Courses

- Recombinant DNA Technology
- Molecular Biology
- Industrial Biotechnology
- Bioinformatics
- Plant Biotechnology
- Animal Cell Culture Technology
- Microbial Biotechnology
- Immunotechnology
- Environmental Biotechnology

Admission Eligibility

Minimum grade of C+ each in PCM or PCB (Physics, Chemistry and Biology) and a minimum of grade C in remaining subjects. OR, If the student has been evaluated in percentage system, minimum 50% in aggregate of PCM or PCB.

Cost of the Program

Total cost of the program is Rs. 7,70,000 which can be paid in 16 installments.

Scholarships

- Each semester GPA merit based full tuition fee waiver scholarships per 30 students intake capacity
- Need-based partial tuition fee waiver scholarships as per KU provision.
- Loan Scholarship.

Evaluation

At the end of each semester, students are awarded letter grades as per following grading system.

Grade	A	A-	B+	B	B-	C+	C	C-	D	F
Grade Point	4	3.7	3.3	3.0	2.7	2.3	2.0	1.7	1.0	0
Marks	80-100	75-79	70-74	65-69	60-64	55-59	50-54	45-49	40-44	<40

Students need to maintain a CGPA of 2.0 in every semester in order to graduate.