

Academic Programs

Undergraduate (BSc/BPharm/BTech)	Graduate (MSc/MPharm/MTech/MS)	Post-Graduate (MPhil/PhD)
<ul style="list-style-type: none"> BSc in Agriculture BSc in Applied Physics BSc in Bioinformatics BTech in Biotechnology BSc in Computational Mathematics BSc in Computer Science BTech in Environmental Engineering BSc in Environmental Science Bachelor of Pharmacy 	<ul style="list-style-type: none"> MTech in Biotechnology MS by Research in Biotechnology MSc in Computational Mathematics MSc in Computer Science MSc in Environmental Science MTech in Environmental Engineering MS by Research in Env.Sc./Env. Engg. Master in Pharmaceutical Analysis Master in Pharmacognosy and Phyto chemistry Master in Pharmacy (Industrial Pharmacy, Pharmaceutical Care) MS by Research (Pharmaceutical Sciences) PharmD (Post Baccalaureate) MSc in Physics MS by Research in Physics 	<ul style="list-style-type: none"> PhD in Biotechnology PhD in Computer Science MPhil/PhD in Environmental Science PhD in Environmental Engineering PhD in Pharmacy MPhil/PhD in Physics MPhil/PhD in Mathematics MPhil/PhD in Statistics

Semester System

Spring : August - January

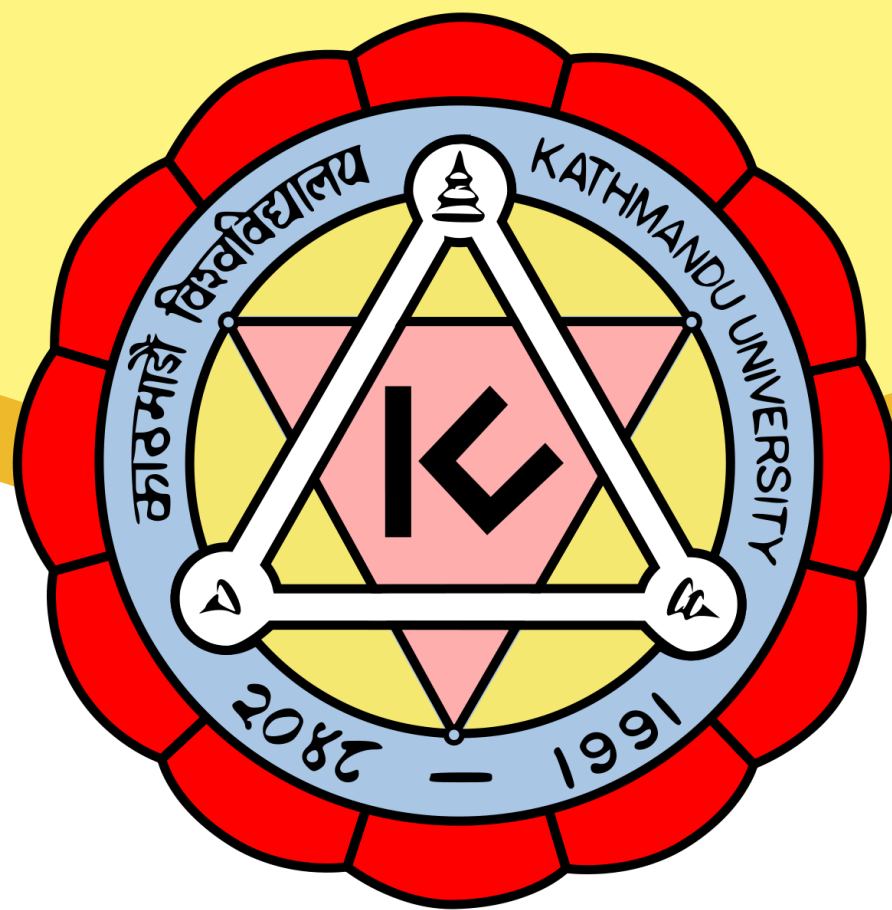
Winter : February - July




School of Science

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KATHMANDU UNIVERSITY
"QUALITY EDUCATION FOR LEADERSHIP"



SCHOOL OF SCIENCE

DEPARTMENTS

Environmental Science and Engineering
Computer Science
Biotechnology
Life Sciences
Mathematics
Pharmacy
Physics

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Introduction

Kathmandu University (KU) was established by an Act of Parliament of Nepal in November 1991, as an autonomous, not-for-profit, self-funding public institution with a vision to become a world class university devoted to bringing knowledge and technology to the service of mankind. Most of the technical and professional programs run at Kathmandu University are first to be introduced in the country with global recognition. Currently, the university has seven schools: Science, Arts, Education, Engineering, Law, Management and Medical Sciences.

School of Science

The School of Science is a signatory school of KU established in July 1992. It has six departments. The strength of this school is highly qualified and senior faculties who are regularly involved in teaching, research and project activities. It offers both fundamental as well as applied courses from undergraduate to post-graduate levels. Students of KU at School of Science have both academic as well as non-academic extra-curricular activities for their exposure through their respective departmental clubs.

Scholarships

- KU SOS Need Based Scholarship
- KU Merit Based Scholarship
- KU Education Loan Scholarship
- Endowment Scholarship
- UGC Formula Funding Graduate Scholarship
- KU Silver Jubilee Graduate Assistantship
- KU Silver Jubilee Teaching Assistantship to Post-graduate students (MPhil and PhD)

Facilities

- Senior and Dedicated Faculties
- Project Activities
- 24/7 Lab Access for Research
- Separate Hostel Facilities for Students
- Library with the Latest Books and Journals
- Medical Insurance of Every Student
- Hi-speed Internet Services with free wifi in the University Premises
- Students Exchange through Collaborative Programs
- Internships through Departmental Linkages



International Collaborations

- Asian Institute of Technology, Thailand
- Bridgin Foundation, Belgium
- Centre for Environment Remote Sensing (CEReS), Japan
- City University, London, United Kingdom
- Ev-K2-CNR Committee, Italy
- Innovation Water Center (IWC), Cambodia
- Inha University, South Korea
- Kyushu University, Japan
- Lanzhaou Institute of Chemical Physics, China
- South Florida University, USA
- S.M.B.T. Ayurvedic College and Hospital, and Institute of D Pharmacy, India
- Suez Canal University, Egypt
- Sweco Norge, Norway
- University of Applied Sciences, Germany
- University of Colombo, Sir Lanka
- University of Dhaka, Bangladesh
- University Teknologi Mara, University Technology, Malaysia

Research Centers & Specialized Laboratories

- Aquatic Ecology Centre (AEC)
- Himalayan Cryosphere, Climate and Disaster Research Center's (HiCCDRC)
- KU-NPL Bioequivalence and Bioavailability Centre
- Organic farming and Natural Product Research Centre (ONRC)
- Plasma Physics Laboratory
- Shimadzu-KU Education Centre for Pharma Professionals

Student Clubs

- Kathmandu University Agriculture Club (KUAC)
- Kathmandu University Biotechnology Creatives (KUBiC)
- Kathmandu University Computational Mathematics Club (KUCMC)
- Kathmandu University Computer Club (KUCC)
- Forum for Environment Conservation and Management (FECAM)
- Forum for Pharmacy (FOP)
- Nature and Social Concern Society (NSCS)

Research Domains

Agriculture

- Agriculture Technology and Climate Smart Agriculture
- Farming system, Precision and Sustainable Agriculture
- Post Harvest Technology
- Agriculture Marketing and trade
- Analytics and Crop Modelling

Bioinformatics

- Development of Algorithms and Software
- Functional Genomics and Systems Biology
- Genetics and Molecular Evolution
- Proteins Structure Analysis and Drug Design

Biotechnology

- Biopolymers and Bioplastics
- Medicinal Plants and their Anti-cancer Mechanism
- Micropropagation and Genetic Analysis of Bamboo
- Sustainable Production of Algae Fuel Pellets in Nepal

Environmental Science and Engineering

- Atmospheric and Cryospheric environment
- Water and Wastewater technology
- Solid waste management
- Sustainability and Climate change
- Ecosystems, Wildlife and Nature conservation

Mathematics

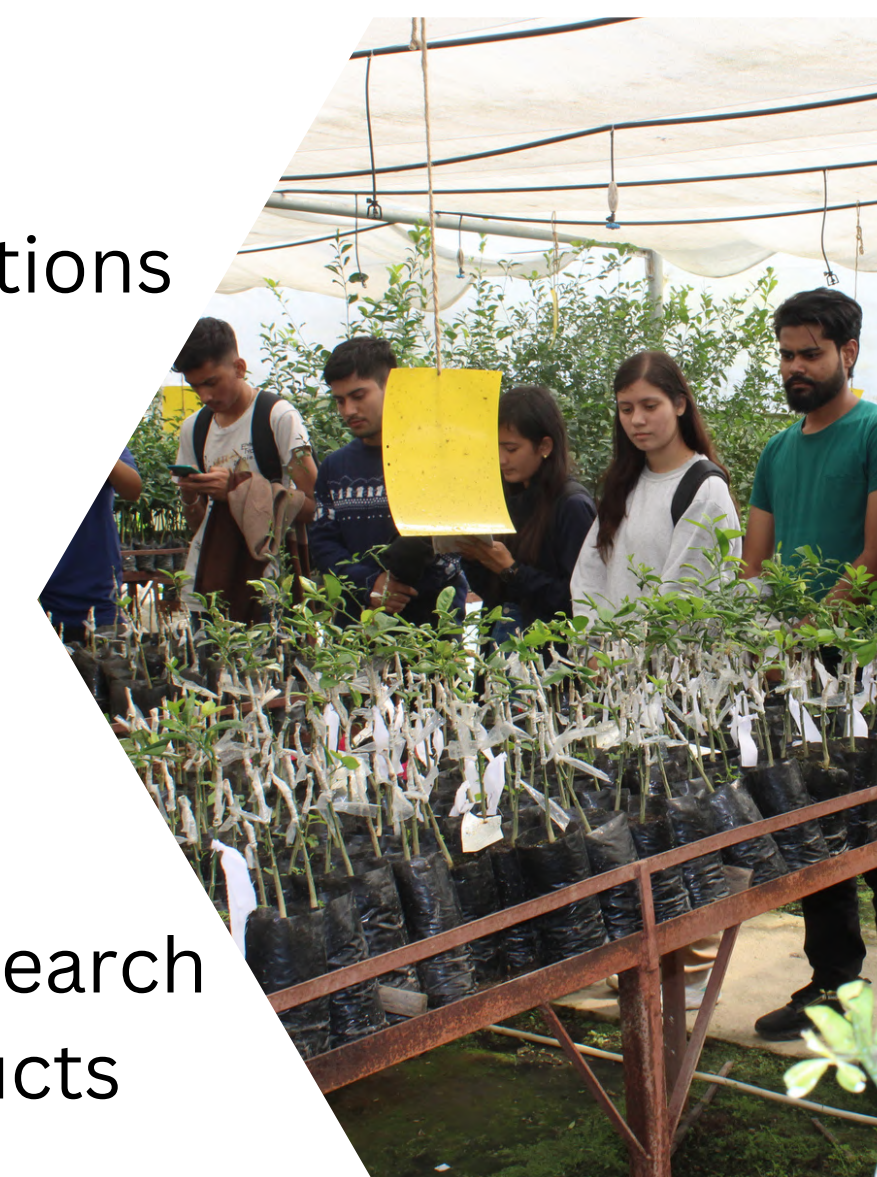
- Bio-Mathematics
- Demography
- Fixed Point Theory and Its Applications
- Numerics for ODEs and PDEs
- Operations Research
- Data Security

Pharmacy

- Pharmaceutical sciences
- Pharmacy practice and clinical research
- Phytochemistry and natural products

Physics

- Computational material science
- Generation and diagnostics of low temperature plasma with applications
- High performance computing
- Particle and high energy physics



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