Facilities: KU offers the best facilities for higher education in Nepal that includes:

➢ All faculties available during office hours

➢ Academic counseling & project supervisions available in off-hours

➢ More than **70000** volume of library books

➢ Separate advanced computer lab

➢ Hostel facilities for needy students

➢ **24** hours internet access

Other Programs

➢ MPhil and PhD in Mathematics

➢ Master's Degree in Computational Mathematics (in process)

Since 1997, more than 60 MPhil students successfully graduated and 14 PhD degrees have been awarded.

Computational Mathematics Batch 2017

FACULTY
Professors
Dr. Kanhaiya Jha **(Dean, School of Science)**
Dr. Jyoti Upadhyaya
Dr. Dil Bahadur Gurung (**HoD**)
Dr. Ram Prasad Ghimire (NAST Academician)

Associate Professor
Dr. Rabindra Kayastha

Assistant Professors
Dr. Samir Shrestha
Dr. Gokul K C
Dr. Saraswati Acharya
Mr. Kiran Kumar Shrestha
Dr. K. B. Manandhar
Dr. Ganga Ram Phaijoo
Dr. Khim Bahadur Khattri

Faculties from the Department of Computer Science and Computer Engineering, SoE are also associated with this program.

For Detail Information

Department of Mathematics
School of Science, KU

Contact : 977-011-{415100, 415200, 415021}
E-mail: math_hod@ku.edu.np
KU Web: http://math.ku.edu.np

KATHMANDU UNIVERSITY

"Quality Education for Leadership"

Department of Mathematics
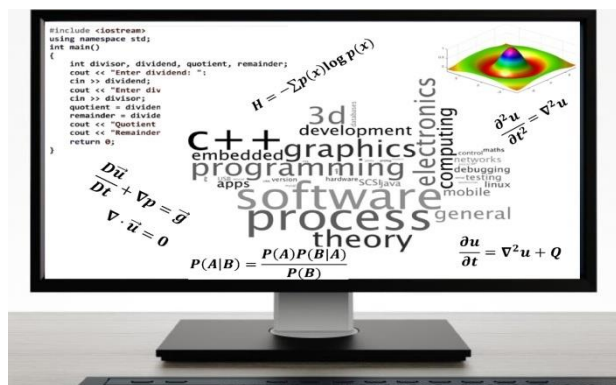## School of Science

PROGRAM INFORMATION

B.Sc.
in
Computational Mathematics

(Combined Program of Mathematics & Computer Science)
2020

Introduction

Kathmandu University (KU) was established by the act of parliament of Nepal in November 1991, as an autonomous, not-for-profit, non-government 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.
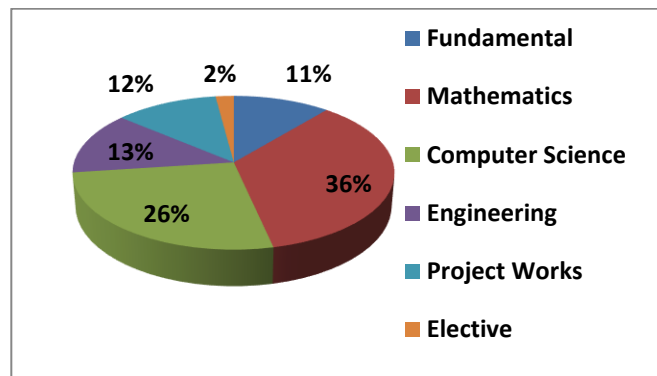

Computational Mathematics

Department of Mathematics offers B. Sc. in Computational Mathematics at Kathmandu University. This interdisciplinary program mostly sits at the intersection of Mathematics and Computer Science. In this program, students will gain rigorous mathematical knowledge and develop efficient computational skills to break down every complex real-world problems. Students enrolled in the program will be exposed to wide range of problems in Science, Engineering & Technology and Industries. Graduates of this program will be able to deploy effectively and efficiently a wide range of mathematical and computational techniques to solve such problems; to develop, enhance and maintain the relevant software tools; and to communicate results of complex modeling and simulation to end-users.

Keeping this essentiality, KU had launched B.Sc. in Mathematics with specialization in Computer in 1999 and as a continuation of this program; KU has started B.Sc. in Computational Mathematics since 2017 with updated structure for the first time in South Asia. It is a degree which prepares a student for either direct employment in industries after graduation, as well as pursuing higher studies in Mathematics or in IT sectors.

Course Structure

Key Features of the Program

- Qualified human resource persons
- A practical and computational based problem solving approach of learning
- Four years program compatible with international standards
- Regular tutorial class
- Internship
- A foundation for those wishing to pursue further study and research
- A foundation of scientific methodology and computational skills as per the demand of employers

Career Opportunities

- Industries (**IT & Software**)
- Academic Institutes/ Research Centers
- Banking / Finance / Insurance
- Non-governmental Organizations **(NGO)**
- International Non-Governmental Organizations **(INGO)**

Admission Eligibility

10+2 level (or equivalent) with a minimum aggregate GPA of 2.0 (50% in percentage scale) and grade C individually in each course.

OR,

Minimum 50% in aggregate and minimum 50% in aggregate of PCM or PMCs (Physics, Mathematics and Computer Science)

Financial Aid and Scholarships

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

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. The classes are generally held from 9:00 AM to 4:00 PM six days a week. There is a preparation break of at least one week before the end-semester examinations in each semester.

Cost of the Program

Total cost of the program is as per KU rule which can be paid in 16 installments.