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

- M. Phil. and Ph. D. in Mathematics
- Master's Degree in Computational Mathematics (Coming Soon)

Since 1997, more than 63 M. Phil. students successfully graduated and 15 Ph. D. 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 KC
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

Admission Call 2021

https://apply.ku.edu.np/

KATHMANDU UNIVERSITY

"Quality Education for Leadership"

Department of Mathematics
School of Science

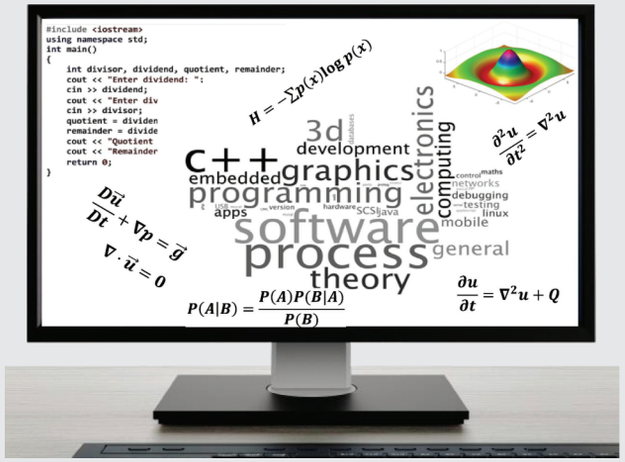
PROGRAM INFORMATION

B.Sc.
in
Computational Mathematics

(Blending of Mathematics & Computer Science)

Introduction

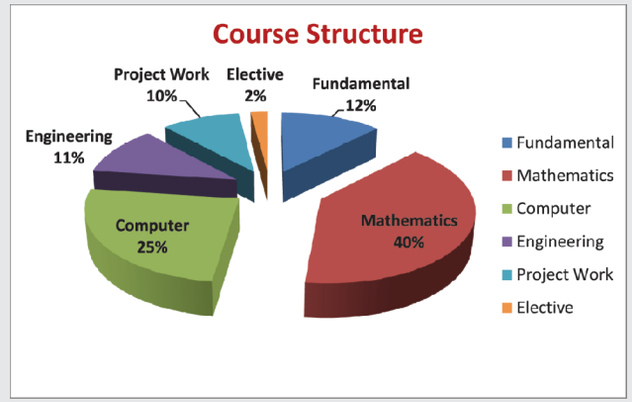
Kathmandu University (KU) was established by the act of parliament of Nepal in November 1991, as an autonomous, not-for-profit, non-government institution dedicated to maintaining high standards of academic excellence. Most of the technical and professional programs run at KU are first to be introduced 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 a wide range of mathematical and computational techniques effectively and efficiently to solve the problems. The program enhances and maintains the relevant software tools; and communicates 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 curriculum structure for the first time in South Asia. It is a degree which prepares a student either for direct employment in industries or for higher studies in Mathematics and IT fields after graduation.

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 classes
- Internships in industries
- 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
- Financial Sectors
- Data Scientist
- Higher Studies in Mathematics and IT related fields

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 at least one week preparation leave before the end-semester examinations.

Cost of the Program

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