

## FACILITIES

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

- All faculty available during office hours
- Academic counseling & project supervision available in off-hours
- More than **70000** volumes 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/Statistics
- M.Sc. in Computational Mathematics

Since 1997, more than 60 M. Phil. students successfully graduated and 17 Ph. D. degrees have been awarded.



(UGC Sponsored Advanced Computer Lab)

## FACULTY

### Professors

Dr. Kanhaiya Jha (Former Dean, SOS)  
Dr. Jyoti Upadhyaya (Former HoD)  
Dr. Dil Bahadur Gurung (Former HoD)  
Dr. Ram Pd Ghimire (Controller of Examinations)  
Dr. Rabindra Kayastha (HoD)

### Visiting Professor

Dr. Bhadra Man Tuladhar (Former Registrar, KU)

### Associate Professor

Dr. Samir Shrestha

### Assistant Professors

Dr. Gokul KC (Assoc. Director, SWD)  
Dr. Saraswati Acharya  
Mr. Kiran Kumar Shrestha, (Ph.D. in Progress)  
Dr. Kanchha Bhai Manandhar  
Dr. Ganga Ram Phaijoo  
Dr. Khim Bahadur Khattri  
Dr. Sushil Ghimire

### Lecturer

Mr. Harish Chandra Bhandari (Ph.D. in Progress)

**IT Technician:** Mr. Shidhanta K.C.

### For Detail Information

Department of Mathematics  
School of Science, KU

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**KATHMANDU UNIVERSITY**

“Quality Education for Leadership”



**Department of Mathematics**

**School of Science**

(A UGC Nepal Accredited School)

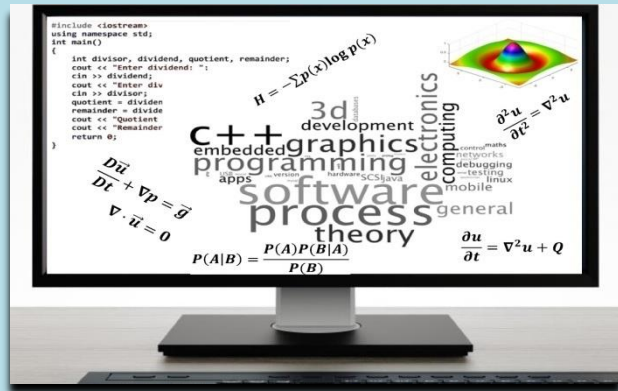
**PROGRAM INFORMATION**

**B. Sc. in  
Computational Mathematics**

**(Blending of Mathematics  
& Computer Science leading to IT)**

## 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 the first to be introduced in the country with global recognition.

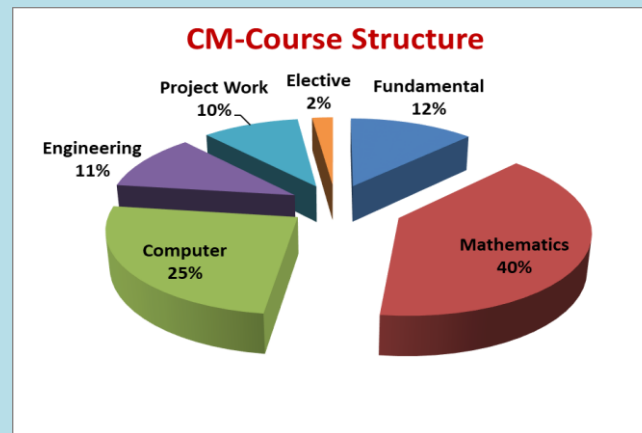


## COMPUTATIONAL MATHEMATICS

Department of Mathematics offers B. Sc. in Computational Mathematics at Kathmandu University. This interdisciplinary program concentrates on 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 problem. Students enrolled in the program will be exposed to a 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 problems. The program enhances and maintains the relevant software tools and communicates the results of complex modeling and simulation to end-users.

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

## COURSE STRUCTURE



## KEY FEATURES OF THE PROGRAM

- Qualified human resource
- A practical and computing-based problem-solving approaches
- 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 Sectors

## ADMISSION ELIGIBILITY

10+2 level (or equivalent) with a minimum aggregate GPA of 2.0 (50% in a percentage scale)  
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 student's intake capacity
- Need and merit-based partial tuition fee waiver scholarships as per KU provision
- Loan Scholarship
- Ram Man Memorial Fund (For Marginalized Female Mathematics Candidates)

## 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.

## COST OF THE PROGRAM

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