



SMU SIKKIM
MANIPAL
UNIVERSITY

Established under Govt. of Sikkim, Act 9 of 1995, recognized under Jt of the UDC, Act, 1956

MCA

Master of Computer Applications (Online)

Eligibility

- Candidates must have completed 10+2+3-year bachelor's degree in Computer Applications/Computer Science/Information Technology from a recognized university/institution, or an equivalent qualification as recognized by the Association of Indian Universities (AIU) or other competent bodies, with at least 50% marks (45% for reserved categories)
- Candidates who have completed 10+2+3-year bachelor's degree from other streams like Science, Business Administration, Business Management, Arts & Humanities, Commerce, etc. are also eligible for MCA admission but they have to attend and complete a compulsory bridge course in fundamentals of computer and IT along with their Semester 1 courses. Additionally, candidates who have not studied mathematics during their 10 + 2/ bachelor's degree programs must attend and complete a compulsory bridge course in mathematics along with other semester 1 courses.

Fee structure

- INR INR 98,000 or
INR 24,500 per semester
- INR 500 (non-refundable application fee)

Duration

- Minimum 2 years
(divided into four semesters)



Master of Computer Applications | Program structure

First semester

Computational Mathematics

Database Management System

Operating Systems

Advanced Java Programming

Database Management System Lab

Advanced Java Programming Lab

Fundamentals of Computers & IT*

Fundamental of Mathematics**

Second semester

Python Programming

Latest Trends in Computer Application

Computer Organization and Architecture

Computer Network

Computer Network Lab

Python Programming Lab

Third semester

Design and Analysis of Algorithms

Software Engineering and Unified Modelling Language

Software Engineering and Unified Modelling Language Lab

Design and Analysis of Algorithms Lab

Choose any 1:

Management Information System

Digital Image Processing

Choose any 1:

Data Warehousing and Data Mining

Cloud Computing

Fourth semester

.NET Framework

.NET Lab

Project

Choose any 1:

Machine Learning

Social and Web Media Analytics

Choose any 1:

Blockchain Technology

Virtualization and Cloud Security

