



Online MCA

Master of Computer Applications

This online MCA from Manipal University Jaipur (MUJ) is tailored for professionals looking to become strategic, innovative technology leaders in today's data-driven digital world. The program will enable learners to become successful IT leaders who are recognized and rewarded by top companies across the globe. Through this program, learners can upskill by choosing from electives in new-age domains like Artificial Intelligence, Cloud computing, Cybersecurity and Data & Analytics. Learners will also get exclusive access to Google Cloud Computing Foundations curriculum, extensive e-libraries, a high-tech virtual programming environment, and webinars by industry experts to evolve as in-demand professionals.

Educational qualification

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

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.

Grades

Candidates must have a minimum of 50% marks in aggregate in graduation (45% for reserved categories).

1 Semester

Fundamentals of Computers and IT
Fundamentals of Mathematics
Discrete Mathematics and Graph Theory
Python Programming
Programming and Problem Solving in C
Relational Database Management System
Data Visualisation
Relational Database Management Systems - Lab
Programming and Problem Solving in C - Lab
Python Programming - Lab

2 Semester

Computer Networks and Protocols
Object Oriented Programming using Java
Operating System
Data Structure and Algorithms
Computer Architecture
Object Oriented Programming using Java - Lab
Data Structure and Algorithms - Lab
Elective-I

3 Semester

Unix and Shell Programming
Web Technology
Software Engineering and Project Management
Unix and Shell Programming - Lab
Web Technology - Lab
Elective-II
Elective-III

4 Semester

Mobile Application Development

Project Work
Elective-IV