



# ACHARYA INSTITUTE OF TECHNOLOGY

Affiliated to VTU



- Accredited, industry-aligned programs with expert faculty.
- Access to LinkedIn and high-performance laptops for seamless learning.
- In-demand certifications in EV, Cyber Security, and more for career advantage.
- Global exposure through partnerships and a diverse student body.
- Cutting-edge labs and a digital library for comprehensive resources.
- Collaborations with top corporations offering internships and projects.
- Vibrant clubs and activities focused on holistic development.
- Robust placement support with 550+ recruiting companies annually.



## MASTER OF COMPUTER APPLICATION

Specialization in Cloud  
Architecture Powered by



## About

Over the course of two years, students delve into various branches of computer application, encompassing information technology, data science, and data structure. They acquire the skills to develop intricate software solutions and applications. Additionally, our partnership with the AWS enriches their understanding of Cloud Architect challenges, providing an opportunity for certification by the company.

## Career Scope

**Versatile Career Opportunities:** MCA graduates have versatile career opportunities in the IT industry, including software development, database management, systems analysis, and project management. The skills acquired in data science and analytics enable graduates to contribute to data-driven decision-making processes.

**Specialized Expertise:** MCA programs allow for specialization in areas such as software engineering, data science, cybersecurity, and more.

**Global Career Opportunities:** Graduates of the MCA course can secure employment with leading multinational corporations and IT firms globally, including renowned companies like Google, Microsoft, Amazon, etc.

## Eligibility

Pass in BCA/ BSC – science / bachelor's degree in Computer science engineering degree with a minimum of 50% in aggregate including languages if any.

Or

Pass in Bachelor Degree with not less than 50% of marks with Mathematics / Statistics/ Computer Science/ Computer Programming/Computer Applications/ Business Mathematics/ Business Statistics as one of the optional or electives.

Or

Pass in B.A graduation with 50% marks in aggregate are also eligible, provided they should have studied Mathematics as one of the major subject in 10+ 2 level & secured 50% marks in that.

Also students should have compulsorily attended any one of the entrance exams - MAT / KMAT / PG CET / CMAT Scores.



**Duration**  
**2 years**

# COURSE CONTENT

## Semester 1

- Mathematical Foundation for Computer Applications
- Operating System Concepts
- Data Structures with Algorithms
- Computer Networks
- Design and Analysis of Algorithms
- Data Structures with Algorithms Laboratory
- Computer Networks Laboratory
- Research Methodology and IPR
- BOS recommended ONLINE courses
- Basics of Programming & Computer Organization

## Semester 3

- Data Analytics Using Python
- Internet of Things
- Professional Elective 3
- Professional Elective 4
- Project Work Phase 1
- Data Analytics Lab with Mini-project
- IoT Laboratory with Mini Project
- Societal Project
- Internship

## Semester 2

- Database Management System
- Object Oriented Programming Using Java
- Software Engineering
- Web Technologies
- Professional Elective 1
- Professional Elective 2
- DBMS Laboratory
- Java Programming Laboratory
- SEMINAR

## Semester 4

- Professional Elective 5
- Professional Elective 6
- Technical SEMINAR
- Project work phase -2



## Acharya Legacy

Founded in 1990, Acharya aims to revolutionize education. With over 12,000 students and 100+ academic programs annually, it stands among the global education elite. Located in India's technical hub, Bangalore, Acharya prioritizes innovation and knowledge. The institution fosters experiential and collaborative learning, shaping well-rounded individuals, evident in its diverse student population from 75+ countries.

**11** Institutions

**15** Research Centers

**100+** Programmes

**75+** Nationalities

**12000+** Students

**1000+** Eminent Faculties

**120** Acres State-of-the-Art Campus

**B Premnath Reddy**  
Founder Chairman  
Acharya Group

# Acharya Offerings - click on each to know more... >>

Academic Studio



Collaboration



Center of Excellence



Clubs



Digital Library



Laboratories



Research



Sports



Hostels



Habba



## PROGRAMS OFFERED

Follow on Social Media

