



# Chandigarh University

NAAC A+, UGC-Entitled, NIRF #19, QS World Global Universities #Top 1%

## MCA

Type

**Pg Program**

Mode

**Online**

Duration

**2 Years**

Total fees

**₹ 117,252**

# Chandigarh University

Accredited by NAAC with the prestigious A+ Grade in the first cycle itself, CU is an institution committed to excellence in research, innovation, interdisciplinary education and active promotion of promising young talent. CU is the best Online Education University in Punjab, India which couples the experience of top industry leaders and renowned academicians and fosters a worldly approach. CU has been envisioned to provide inspirational and experiential learning through internationally recognized curriculum matching the challenging industrial needs. CU has been emerging as the best Online Education University in Punjab, India and the most preferred destination for the students as well as renowned faculty, and recruiting companies of the country. The university has been bestowed with many awards and recognitions, including Asia's Fastest Growing Private Institution, Outstanding Engineering Institute, and the Limca Book of Records for inviting the most number of companies in a single year for campus placements. The University has signed MoUs with over 250 foreign universities and institutions from countries like USA, Canada, UK, Australia, Italy, Russia, South Korea, Spain, Thailand, etc.

# MCA

## Highlights

- ◆ Flexible study structure that keeps quality education accessible for graduates and working professionals aiming to deepen technical expertise.
- ◆ Emphasis on Design And Analysis of Algorithms, Advanced Database Management System, Advanced Computer Network, and Discrete Mathematical Structures, ensuring the course stays closely aligned with computer applications, programming, and IT systems.
- ◆ Encourages steady academic progress through organized content, assessments, and guided learning support.
- ◆ Helps learners interpret real situations, evaluate information, and communicate ideas with subject confidence.
- ◆ Relevant for learners seeking meaningful growth in software support, application development, IT operations, and systems-related roles, based on their goals and experience, with added focus on decision practice.

## Learning outcomes

- ◆ Within MCA from Chandigarh University, understand how Design And Analysis of Algorithms, Advanced Database Management System, Advanced Computer Network, and Discrete Mathematical Structures shape practice within computer applications, programming, and IT systems.
- ◆ Apply concepts to interpret software requirements, data workflows, and user-facing digital systems and respond to practical questions.
- ◆ Review technology choices that consider usability, performance, and maintainability using evidence, context, and logic, accuracy, security awareness, and user focus.
- ◆ Build programs, database designs, web pages, and technical documentation that support effective communication and problem-solving.
- ◆ Demonstrate readiness to pursue deeper learning or relevant roles connected to software support, application development, IT operations, and systems-related roles, while strengthening decision practice.

## Eligibility Criteria

A candidate shall have passed the qualifying examination of BCA / B.Sc. (Computer Science) / B.Sc. (IT) / B.E. (CSE) / B.Tech. (CSE) / B.E. (IT) / B.Tech. (IT) or passed any graduation degree (e.g.: B.E. / B.Tech. / B.Sc. / B.Com. / B.A. / B.Voc. / etc.,) with Mathematics, Business Mathematics, Programming or Statistics at 10+2 level or at graduation level with 50% aggregate. For students having no Mathematics background compulsory 3 credit bridge course will be offered by the university. For students having no background knowledge in Computer Subjects, a 3-credit bridge course will be offered by the university.

## Curriculum Overview

### Semester 1 (5 subjects)

- |                                       |                                     |
|---------------------------------------|-------------------------------------|
| ◆ Advanced Database Management System | ◆ Python Programming                |
| ◆ Advanced Computer Networks          | ◆ Network Security and Cryptography |
| ◆ Web Programming                     |                                     |

### Semester 2 (5 subjects)

- |                                     |                         |
|-------------------------------------|-------------------------|
| ◆ Advanced Internet Programming     | ◆ Program Elective - I  |
| ◆ Design and Analysis of Algorithms | ◆ Program Elective - II |
| ◆ Software Testing                  |                         |



## Curriculum Overview (continued)

### Semester 3 (5 subjects)

- ◆ Machine Learning
  - ◆ Cloud Computing
  - ◆ Automation Software Testing
  - ◆ Robotic Process Automation
  - ◆ Program Elective - III
- 

### Semester 4 (3 subjects)

- ◆ Internet of Things
- ◆ Big Data
- ◆ Major Project

## Fee Structure

| Fee heads     | Year 1          | Year 2          | Total            |
|---------------|-----------------|-----------------|------------------|
| Admission Fee | ₹ 1,000         | —               | ₹ 1,000          |
| Course Fee    | ₹ 58,126        | ₹ 58,126        | ₹ 116,252        |
| <b>Total</b>  | <b>₹ 59,126</b> | <b>₹ 58,126</b> | <b>₹ 117,252</b> |