



Bundelkhand University

NAAC A++, UGC-Entitled

MCA

Type

Pg Program

Mode

Distance

Duration

2 Years

Total fees

₹ 63,000

Bundelkhand University

Bundelkhand University is a State Government University located in Jhansi, Uttar Pradesh, established in 1975 to expand access to higher education across the Bundelkhand region. It offers programmes across disciplines including management, commerce, science, engineering, pharmacy, law, agriculture, education, humanities and other professional fields. It is recognised by the UGC and is included by NIRF in the State Public University category. Bundelkhand University has also established a Centre for Distance and Online Education (CDOE) to extend flexible higher education beyond the physical campus. The CDOE currently offers eight ODL programmes and positions the university's distance-learning initiative around accessible, affordable and flexible education.

MCA

Highlights

- ◆ Covers programming, databases, operating systems, algorithms, networks and software engineering.
- ◆ Includes areas such as artificial intelligence, big data, blockchain, IoT, machine learning and natural language processing.
- ◆ Features practical coursework in programming, database management, data structures and artificial intelligence.
- ◆ Includes both a mini project and a major project with presentation and viva-voce.
- ◆ Enables learners to pursue a postgraduate computer applications degree through Open Distance Learning.

Learning outcomes

- ◆ Develop the ability to apply programming concepts and object-oriented approaches to build and understand computer applications.
- ◆ Gain knowledge of database design, management and data organisation using database management systems.
- ◆ Strengthen logical thinking through data structures, algorithms and computational problem-solving techniques.
- ◆ Build an understanding of operating systems, computer networks, software engineering and computer architecture.
- ◆ Gain exposure to areas such as artificial intelligence, machine learning, big data, blockchain, IoT and other evolving computing technologies.

Eligibility Criteria

Passed B.Sc. Maths/Stats./BCA/B.Sc. (IT)/B.Sc. (CS) from a recognized University.

Curriculum Overview

Semester I (8 subjects)

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|--|---|
| ◆ MCA-6621: Fundamental Of Computers & Emerging Technologies | ◆ MCA-6625: Computer Organization & Architecture |
| ◆ MCA-6622: Problem Solving Using C | ◆ MCA-60626: Problem Solving Using C Practical |
| ◆ MCA-6623: Principles Of Management & Communication | ◆ MCA-60627: Computer Organization & Architecture Practical |
| ◆ MCA-6624: Discrete Mathematics | ◆ MCA-60628: Professional Communication Practical |

Semester II (8 subjects)

- | | |
|---|---|
| ◆ MCA-6626: Theory Of Automata & Formal Languages | ◆ MCA-6630: Data Structure & Analysis Of Algorithm |
| ◆ MCA-6627: Object Oriented Programming | ◆ MCA-60631: Object Oriented Programming Practical |
| ◆ MCA-6628: Operating System | ◆ MCA-60632: DBMS Practical |
| ◆ MCA-6629: Database Management System | ◆ MCA-60633: Data Structure & Analysis Of Algorithm Practical |



Curriculum Overview (continued)

Semester III (7 subjects)

- ◆ MCA-7621: Artificial Intelligence
- ◆ MCA-7623: Software Engineering
- ◆ MCA-7625: Computer Network
- ◆ Elective-1
- ◆ Elective-2
- ◆ MCA-70627: Artificial Intelligence Practical
- ◆ MCA-70626: Mini Project Based On MCA-7621

Semester IV (6 subjects)

- ◆ Elective-3
- ◆ Elective-4
- ◆ Elective-5
- ◆ MCA-70634: Major Project Based On Elective Paper (1-5)
- ◆ MCA-70635: Presentation Based On Major Project MCA-70635
- ◆ MCA-70636: Viva-Voce Based On Major Project MCA-70635

Electives (5 subjects)

- ◆ Elective-1: MCA-7624 Cryptography & Network Security / MCA-7626 Data Warehousing & Data Mining
- ◆ Elective-2: MCA-7622 Web Technology / MCA-7627 Big Data
- ◆ Elective-3: MCA-7631 Data Analytics / MCA-7634 Soft Computing
- ◆ Elective-4: MCA-7632 Block Chain Architecture / MCA-7635 Internet Of Things
- ◆ Elective-5: MCA-7633 Machine Learning / MCA-7636 Natural Language Processing

Fee Structure

Fee heads	Year 1	Year 2	Total
Registration Fee	₹ 1,000	—	₹ 1,000
Exam Fee	₹ 2,000	₹ 2,000	₹ 4,000
Program Fee	₹ 29,000	₹ 29,000	₹ 58,000
Total	₹ 32,000	₹ 31,000	₹ 63,000