



MANIPAL UNIVERSITY
JAIPUR

BCA

Bachelor of Computer Applications

Admission 2026-27

About the program

The Bachelor of Computer Applications (BCA) program at the Manipal University Jaipur aims to provide academic excellence with the most advanced curriculum and syllabus in the field of computer applications. It ensures to develop personnel who are academically competent and professionally motivated. The BCA course is favored by students who wish to make a career in the Information Technology (IT) field. The duration of the BCA course is 3 years, and it is divided into 6 semesters. The course is designed to be flexible and wide-ranging ensuring that the students have a firm grasp on the core fundamentals. Apart from regular BCA, department is also offering following specialization:

- Cyber Security
- Data Science



More about the Department
Scan the QR Code

BCA Cyber Security specialization is intended to introduce students to security principles and practices with understanding, designing, operating, installing and mitigating vulnerabilities in cyber space. As a way of providing the students with an enriching exposure to the study of Cyber Security, the faculty is equipped with state-of-the-art laboratories and innovation facilities which allow students to develop a hands-on experience.

BCA Data Science specialization is created to meet the demands of the modern IT sector and technological advancements. The primary goal of this specialization is to close the knowledge gap between industry and academia by integrating pioneering technology into the curriculum. The curriculum includes more recent and advanced IT-related topics like Big Data Analytics, Machine Learning, Statistics, etc. with contemporary programming languages like Python, R Programming, etc.

Key Highlights of the Program

- Helps students to make their career in IT Industry.
- To prepare students to design, develop and implement software applications.
- Help students to learn latest programming languages, cutting edge technologies and tools to make the students ready for the IT Industry.
- Making students to be employed and capable of cross disciplinary collaboration in industry/government sector/higher education/research and development/ entrepreneurship.

Prominent Recruiters

- TCS
- Deloitte
- WIPRO
- Capgemini
- SAP LAB

Unique Research and Lab Facilities

- Dedicated LAB with high end server
- desktop computers
- IoT Kits
- High Speed Internet
- Basic software
- NetSim (academic version)
- Tablue (Salesforce)

National and International Collaborations

- International University of Business Agriculture and Technology (IUBAT), Bangladesh
- Rapron Cyber Identities

Career Opportunities

- Software Development
- Software Engineering
- Database Administration
- Database Programming
- Web Development
- Systems Administration
- Network Administration
- Information Technology

Placements Statistics

- Highest Package: 5 Lakhs p/a
- Average Package: 3.5 Lakhs p/a
- No of Offers Made: 45
- No of Recruiters Visited: 30

The MUJ EDGE (Why MUJ)

- Best in-class infrastructure, including the state-of-the-art research facilities and a modern digital library
- NAAC A+, UGC Accredited Institution
- Best University Campus Award conferred by ASSOCHAM
- 3.5 Star rating for promoting Innovation and Start Ups in Campus
- Awarded 'IGBC Performance Challenge 2020 for Green Built environment- Excellence Award'
- Best University in Rajasthan Award 2020 in Eminent Engineers Award 2020 by Institution of Engineers (India), Rajasthan State Center, Jaipur

Eligibility

The candidate must have passed 10+2 or A level or IB examination in any discipline with at least 50% marks in aggregate.

Fee structure

Tuition fee (p.a.)	Registration Fee (One Time)	Caution Deposit Refundable (One Time)	Total Course Fees (including Caution Deposit)
1,77,000	10,000	10,000	5,51,000

(International - USD, Total Fee for 3 Years - 11,550)

Scholarships

- TMA Pai Merit Scholarships
- Rajasthan Merit Scholarships
- Financial Assistance for Sibling(s)
- Scholarship for “Differently-abled” Students
- Scholarships for wards of Martyrs of Defence Personnel / Para Military Forces
- Scholarships for the wards of Single Mother & Orphan Child
- Scholarships for Sports Persons
- Scholarships for students of Higher Semesters



Curriculum (Only Scheme) Cyber Security

FIRST SEMESTER						SECOND SEMESTER					
Code	Course Name	L	T	P	C	Code	Course Name	L	T	P	C
MAS1107	Fundamentals of Mathematics	3	1	0	4	MAS1208	Basic Statistics and Probability	3	1	0	4
LLC1114	Technical Communication	2	0	0	2	CAP1202	Database Management System	3	1	0	4
CAP1103	C Programming	3	1	0	4	CAP1203	Principle of Programming Languages	3	1	0	4
CAP1104	Fundamentals of Computers & Digital Systems	3	1	0	4	CAP1204	Object-Oriented Programming using C++	3	1	0	4
CAP1105	Introduction to Web Programming	3	1	0	4	CAP1205	Operating Systems	3	1	0	4
CAP1130	C Programming Lab	0	0	2	1	CAP1231	Database Management System Lab	0	0	2	1
CAP1132	Web Programming Lab	0	0	2	1	CAP1233	Object Oriented Programming using C++ Lab	0	0	2	1
CHY1003	Environmental Science	2	0	0	2						
		16	4	4	22			15	5	4	22
Total Contact Hours (L + T + P)		24				Total Contact Hours (L + T + P)		24			
THIRD SEMESTER						FOURTH SEMESTER					
Code	Course Name	L	T	P	C	Code	Course Name	L	T	P	C
CAP2101	Computer Organization and Architecture	3	1	0	4	CAP2202	Python Programming	3	1	0	4
CAP2104	Data Communication & Protocols	3	1	0	4	CAP2203	Software Engineering	3	1	0	4
CAP2105	Java Programming	3	1	0	4	CAP2204	Data Mining & Visualization	3	1	0	4
CAP2106	Operating Systems	3	1	0	4	CAP22XX	Program Elective II	3	1	0	4
CAP21XX	Program Elective I	3	1	0	4	XXXXXX X	Open Elective / MOOC	3	0	0	3
CAP2132	Java Programming Lab	0	0	2	1	CAP2231	Python Programming Lab	0	0	2	1
CAP2133	Operating System Lab	0	0	2	1	CAP22XX	Program Elective III	0	0	2	1
		15	5	4	22			15	4	4	21
Total Contact Hours (L + T + P)		24				Total Contact Hours (L + T + P) + OE		23			

Curriculum (Only Scheme) Cyber Security

FIFTH SEMESTER						SIXTH SEMESTER					
Code	Course Name	L	T	P	C	Code	Course Name	L	T	P	C
CA3102	Mobile Application Development	3	1	0	4	CA3204	Wireless Communication	3	1	0	4
CA3106	Machine Learning	3	1	0	4	CA3205	Unix and Shell Programming	3	1	0	4
CA31XX	Program Elective IV	3	1	0	4	CA32XX	Program Elective VI	3	1	0	4
CA31XX	Program Elective -V	3	0	0	3	CA32XX	Program Elective -VII	3	0	0	3
CA3131	Mobile Application Development Lab	0	0	2	1	CA32XX	Program Elective -VIII	0	0	2	1
CA3132	Machine Learning Lab	0	0	2	1	CA3270	Major Project	0	0	4	2
CA3170	Minor Project	0	0	2	1						
CA3110	Aptitude and Technical Development	1	0	0	1						
		13	3	6	19			12	3	6	18
Total Contact Hours (L + T + P)		22				Total Contact Hours (L + T + P)		21			

BCA	BCA Data Science	BCA Cyber Security
Program Elective I		
CAP2140 Artificial Intelligence for Problem Solving	CAP2141 Introduction to Data Science	CAP2142 Introduction of Cyber Security
Program Elective II		
CAP2240: Introduction to Network Security	CAP2241 Intelligent Systems	CAP2240: Introduction to Network Security
Program Elective III		
CAP2242: Data Mining and Visualization Lab	CAP2242: Data Mining and Visualization Lab	CAP2243 : Network Security Lab
Program Elective IV		
CA3143: Internet of Things	CA3149: Computer Vision	CA3147: Cloud Security
Program Elective V		
CA3150: Cloud Computing & Applications	CA3151: Business Data Analytics	CA3152: Information Security and Systems
Program Elective VI		
CA3242: Distributed System	CA3248: Statistical Inference	CA3243: Ethical Hacking
Program Elective VII		
CA3249 : Big Data	CA3250: Deep Learning	CA3251: Cyber Physical System
Program Elective VIII		
CA3252 : Unix and Shell Programming Lab	CA3253: Deep Learning Lab	CA3252 : Unix and Shell Programming Lab

Admission Process



Application form initiated through our website
admissions.jaipur.manipal.edu



Applicants must submit a completed application form with relevant documents within the due date.



Our counsellors will guide candidates through the admission process, which is as per regulatory requirements.



Please visit the FAQ section on our website to know more about the admission process.

Hostel Details

 goodhostspaces.com  **08069122800**
info.jaipur@goodhostspaces.com

Please visit

<https://jaipur.manipal.edu/muj/life-at-muj/hostel-facility.html>

Counsellor Contact Details

Please visit

<https://jaipur.manipal.edu/muj/admission/admission-team-contact-details.html>



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MANIPAL UNIVERSITY
JAIPUR
(University Under Section 2(f) of the UGC Act)

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