BCA (Hons.)
Bachelor of Computer Applications

Admission
2024-25

About the program

The Bachelor of Computer Applications (BCA-Hons) with specialisation in Software Product Engineering at Manipal University Jaipur is a 4-year degree program that helps students accelerate their career goals by learning from the most contextual curriculum architected by tech leaders. This program offers exposure to global tech companies from the third semester onwards, where students achieve real-world readiness to thrive in tomorrow's world while earning a handsome stipend.

More about the Department
Scan the QR Code

Key Highlights of the Program

- Paid internship from 2nd year onwards.
- Help students to make their career in the IT Industry.
- To prepare students to design, develop, and implement software applications.
- Help students to learn the latest programming languages, cutting edge technologies, and tools to make the students ready for 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)

National and International Collaborations

- International University of Business Agriculture and Technology (IUBAT), Bangladesh
- Cyberops Infosec LLP

Career Opportunities

- Software Product Engineer
- Full Stack Developer
- Software Development
- Software Engineering
- Database Administration
- Database Programing
- Web Development

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.

Admission Criteria

- Admission will be done based on performance in KQ Challenges and Personal Interview (PI).
- Test consists of eight challenges that simulate real-world problems and scenarios which are listed below:
- Numeracy- A test of basic maths
- Data- A simple test of one's ability to interpret statistical data
- Reasoning-A test of one's ability to reason effectively and draw the right conclusion(s)
- Step-by-step problem-solving- A test of one's algorithmic thinking ability, i.e. the ability to solve problems step by step
- English- A test of English oral communication skills
- Coding- A test of programming skills using various programming languages
- Culture-fit- A test to check the cultural fitment
- Program-fit- A test to check whether the program is correct for the student

Fee structure

Tution fee (p.a.)	Registration Fee (One Time)	Caution Deposit Refundable (One Time)	Total Course Fees (including Caution Deposit)
3,00,000	10,000	15,000	12,25,000

(International - USD, Total Fee for 4 Years - 22,230)

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)

Year	First Semester						Second Semester					
	Course Code	Course Name	L	T	P	C	Course Code	Course Name	L	T	P	C
I	XXXXXXX	Fundamentals of Discrete Mathematics	3	1	0	4	CAH1201	Full Stack Web Development	2	4	0	6
	CAH1101	C, C++ and Python - Problem solving using Programming	3	1	0	4	CAH1202	Professional skills for the workplace	3	1	0	4
	CAH1102	Critical Thinking	3	1	0	4	CAH1203	Learning how to learn	3	1	0	4
	CAH1103	Fundamentals of Computers & Digital Systems - Breadth of computer science	3	1	0	4	CAH1230	Full Stack Web Development Lab	0	0	8	4
	CAH1104	Introduction to Web Programming - Front end development	3	1	0	4			8	5	8	18
	CAH1105	Design for Developers	3	0	0	3	Total Contact hours (L + T + P)		21			
	CAH1130	C, C++ and Python - Problem solving using Programming Lab	0	0	2	1						
	CAH1131	Introduction to Web Programming - Front end development Lab	0	0	2	1						
			18	5	4	25						
	Total Contact hours (L + T + P)		27									

Year	Third Semester						Fourth Semester					
	Course Code	Course Name	L	T	P	C	Course Code	Course Name	L	T	P	C
II	CAH2101	Database Management System	3	1	0	4	CAH2201	Data Structure and Algorithm	3	1	0	4
	LLC****	Technical communication - English LSRW	3	0	0	3	CAH2202	Computer Organization and Architecture	3	1	0	4
	CAH2102	Object Oriented Programming	3	0	0	3	CAH2203	Operating System	3	0	0	3
	CAH2130	Database Management System Lab	0	0	2	1	CAH2204	How Human Languages Work	3	0	0	3
	CAH2131	Object-Oriented Programming Lab	0	0	2	1	CAH2230	Operating System Lab	0	0	2	1
	CAH2170	WIP-I* (Work integration project)	0	0	14	7	CAH2270	WIP-II*(Work integration project)	0	0	14	7
			9	1	18	19			12	2	15	22
	Total Contact hours (L + T + P)		28				Total Contact hours (L + T + P)		30			

III	Fifth Semester						Sixth Semester				
	Course Code	Course Name	L	T	P	C	Course Code	Course Name	L	T	P	C
	CAH3101	Computer Network	3	1	0	4	CAH3201	Design and Analysis of Algorithm	3	1	0	4
	CAH3102	Formal language & automata Theory	3	1	0	4	CAH3202	Tools and Techniques of Creative Thinking	3	1	0	4
	XXXXXX	Introduction to Philosophy	3	0	0	3	CAH3203	Compiler Design	3	1	0	4
	XXXXXX	Environmental Science	2	0	0	2	XXXXX	Fundamentals of Business Management	3	1	0	4
	CAH3170	WIP-III*(Work integration project)	0	0	14	7	CAH3270	WIP-IV*(Work integration project)	0	0	14	7
			11	2	14	20			12	4	14	23
	Total Contact Hours (L + T + P)		27				Total Contact Hour (L + T + P)		30			

IV	Seventh Semester						Eight Semester				
	Course Name	Course Name	L	T	P	C	Course Name	Course Name	L	T	P	C
	CAH41XX	Program Elective-I	3	0	0	3	CAH4270	Capstone project/ Internship	0	0	28	14
	CAH41XX	Program Elective-II	3	0	0	3			0	0	28	14
	CAH41XX	Foundation Elective -I	4	0	0	3	Total Contact hour		28			
	CAH41XX	Skilling Elective	3	0	0	3						
	CAH4170	WIP-V*(Work integration project)	0	0	14	7						
			8	0	14	19						
	Total Contact Hours		26									

MANIPAL UNIVERSITY JAIPUR

Admission Process

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

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

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

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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