



MANIPAL UNIVERSITY
JAIPUR



Rankings 2025
University: 58 | Overall 98
Engineering: 58 | Management: 81
Architecture: 21 | Law: 32



NAAC A+ Grade
with 3.28 Score

Bachelor of Science (B.Sc.) (Honours/Honours with Research) Biotechnology

Admission 2026-27

About the program

Under the School of Physical and Biological Sciences (SPBS), the B.Sc. Biotechnology (Honours & Honours with Research) program is a four-year under graduate program, offered by Department of Biosciences aligned with the National Education Policy (NEP) 2020. Interdisciplinary branch of biotechnology that provides a strong foundation in modern biotechnological processes tailored to meet current societal needs. The course curriculum offers up-to-date knowledge on various cellular processes, their underlying principles, and the development of diverse technologies. Biotechnology is a dynamic field that inspires both students and faculty to explore the structure, function, behavior, and challenges of living organisms. The program's main objective is to prepare students for careers in biotechnology industries, products, and enterprises, with a global outlook in both government and corporate sectors. The scientific knowledge gained through this program plays a vital role in diagnosing and treating diseases. The program enhances analytical and problem-solving skills, equipping students to face future holistic challenges confidently.



More about the Program
Scan the QR Code

About the Department of Biosciences

- DST-FIST sponsored.
- Expert Faculty & Teaching facilities with outcome-based learning.
- State-of-the-art research labs, industry visits and hands-on training.
- Placement support, research collaborations with reputed institutes.
- Seminars, guest lectures, student research projects, participation in technical and cultural events.
- Student research projects and publication.
- Extracurricular Activities: Involvement in Biotech & Enviro Clubs for holistic growth.
- Syllabus according to CBCS.

Prominent Recruiters

- Nestle, Britannia, ITC, Amul, Sun Pharma, Cipla, Monsanto
- Coca-Cola, PepsiCo, FSSAI, (Bayer), Syngenta, DuPont,
- FDA, BIS, APEDA, CFTRI, Mahyco, Nuziveedu Seeds,
- NIFTEM, IARI, Supermarkets, AIIMS, ICMR, CSIR, NIB,
- Food Startups, Pfizer, Biocon, WHO, CDC
- Dr. Reddy's, Novartis, GSK,

Advance Research Labs

- Structural Biology and Bioinformatics
- Environmental Biotechnology
- Microbial Technology Lab
- Cancer Research Lab (CRL)
- Biochemistry & Molecular Biology Lab
- Plant Tissue Culture Lab

National and International Collaborations

Name of the organisation	Nature of MoU
CSIRO	Australian Government Agency
MoU-3B BlackBio Biotech India Limited	Industry
Sri Karan Narendra Agriculture University, Jobner Rajasthan	Academic
NIT Warangal	Academic

Higher Studies/Placements

Name of the Students	Name of institution joined	Name of programme
Anshulika Saxena	BONN University, Germany	M.Sc.- Life Science Informatics
Anushka Singh	JNU, New Delhi, India	M.Sc.- Life Sciences
Anvarshu Gopal	Erasmus Mundus-Joint Masters degree, France	Master in Biological and Chemical Engineering
Suhani Pareek	Accenture, India	On-Campus Placement
Abhishek Kumar Verma	JMAU, India	On-Campus Placement
Shaurya Singh	The University of Western Australia	M.Sc.- Biotechnology
BVVS Chandra	The University of Queensland, Australia	M.Sc.- Biotechnology
Pratishtha Singh	Glasgow University	M.Sc.- Biotechnology
Rishi Seth	The University of Queensland, Australia	M.Sc.- Biotechnology
Sunidhi	Duke University	M.Sc. Biomedical Engineering
Gilchrist Singh Wahengbam	The University of Queensland, Australia	M.Sc.- Molecular Biology
Priyasha Paul	University Paris Saclay	Master in Genomics
Shaurya Singh	Macquarie University	M.Sc.- Biotechnology
Suhani Pareek	The University of Western Australia	M.Sc.- Biotechnology
Sunidhi	Duke University	M.Sc. Biomedical Engineering
Sylvia Parveen	Banaras Hindu University	M.Sc.- Molecular & Human Genetics

Lab Facilities

- Microbiology Lab
- Biochemistry and Molecular biology Lab
- Plant Tissue Culture Lab
- Cancer Research Lab
- Microbial Technology & Environmental Biotechnology Lab
- Structural Biology Lab

Fee Structure

Tuition fee (p.a.)	Registration Fee (One Time)	Caution Deposit Refundable (One Time)	Total Course Fees per annum (including Caution Deposit)
1,27,000	10,000	10,000	1,47,000

(International - USD, Total Fee - 2,950/annum)

Career Opportunities

- Govt. Jobs
- Clinical Research
- Research and Development Jobs
- Quality Control Jobs
- Quality Assurance Jobs
- Marketing Jobs
- Food and Dairy Industry
- Paper and Pulp Industry
- Public Sector Units

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

Eligibility

Passed in 12th Std / Equivalent exam from a recognized board with the minimum aggregate of 60% in 10+2(with Physics/ Chemistry / Biology).



MANIPAL UNIVERSITY JAIPUR
(University under Section 213 of the UGC Act)

Congratulations
TEAM - GENOVATES

for securing a **SPECIAL MENTION** at the **MANIPAL-GOK BIOINCUBATOR HACKATHON 2025**

TANISHKA GOEL
PARI TAYAL
KRISHNA DHIMAN
ADYA GUPTA
THATI AMETA

#MUJAchievers
#MUJInspire
#Manipalinnovators

Curriculum

FIRST SEMESTER						SECOND SEMESTER					
Code	Course Name	L	T	P	C	Code	Course Name	L	T	P	C
BIO1107	Cell Biology	2	1	2	4	BIO1207	Fundamentals of Biotechnology	2	1	2	4
BIO1120	Diversity of Life	2	1	2	4	BIO1290	Fundamentals of Microbiology	2	1	2	4
CHY1101	Atomic Structure, Bonding, and Periodicity	2	1	2	4	CHY1201	States of Matter and Molecular Properties	2	1	2	4
MAS1122	Fundamentals of Computer	2	0	0	2	PHY1240	Academic Writing	2	0	0	2
LN1106	Communicative English	2	0	0	2	MAS1221	Logical Reasoning and Competitive Aptitude	2	0	0	2
CHY1003	Environmental Science	2	0	0	2	MAS1222	Introduction to Python Programming	2	0	0	2
PES1030	Yoga and Wellness	2	0	0	2	MAS1223	Ancient Indian Knowledge System	2	0	0	2

THIRD SEMESTER						FOURTH SEMESTER					
BIO2107	Biochemistry	2	1	2	4	BIO2207	Immunology	2	1	2	4
BIO2108	Molecular Biology	2	1	2	4	BIO2208	Recombinant DNA Technology and Forensics	2	1	2	4
BIO2109	Genetics	3	1	0	4	BIO2220	Bioanalytical techniques	2	1	2	4
CHY2170	Scientific Writing and Seminar	2	0	0	2	BIO2209	Animal Cell Culture	2	1	1	4
CHY2121	General Chemistry	2	1	0	3	BIO2270	Summer Internship	0	0	2	2
PHY2140	Basic Instrumentation Skills	2	1	0	3	PHY2240	Translation and Linguistic Competence	2	0	0	2

Curriculum

FIFTH SEMESTER						SIXTH SEMESTER					
BIO3120	Environmental Biotechnology	2	1	2	4	BIO3207	Industrial Biotechnology	2	1	2	4
BIO3121	Plant Tissue Culture	2	1	2	4	BIO3220	Organic Farming	2	1	2	4
BIO3107	Medical Biotechnology	2	1	2	4	BIO3208	Bioinformatics	2	1	2	4
BIO3122	Ethical Issue and IPR	2	1	2	4	BIO3209	Nano Biotechnology	2	1	2	4
BIO3190	GLP and Biosafety	2	1	2	4	BIO3290	Minor Project-I	4	0	0	4

SEVENTH SEMESTER						EIGHTH SEMESTER					
BIO4120	Omics Technology	2	1	2	4	BIO4270	Major Project/Internship	0	0	12	12
BIO4107	Biostatistics	2	1	2	4	BIO4220	Probiotics and Nutraceuticals	2	1	2	4
BIO4121	Bioremediation and Bioenergy	2	1	1	4	BIO4271	Seminar	3	1	0	4
BIO4122	Model Systems in Biological Research	2	1	2	4	BIO4280	Bioprocess Technology	2	1	2	4
						BIO4281	Waste Management	2	1	2	4
BIO4190	Minor Project-II	4	0	0	4	BIO4282	Microbial Diagnostics	2	1	2	4



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](https://www.goodhostspaces.com) ☎ **08069122800**
info.jaipur@goodhostspaces.com



More about the Department
Scan the QR Code

Follow us on    








Department Social Media Connect



For Admission
Scan this QR Code



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

📍 Dehmi Kalan, Jaipur-Ajmer Expressway, Jaipur, Rajasthan - 303007
✉ admissions@jaipur.manipal.edu | Follow us on:       
🌐 jaipur.manipal.edu | ☎ **1800 1020 128**



For Virtual Tour
Scan this QR Code