



ENQUIRE

Master of Technology (M.Tech.) Biotechnology

[Banasthali Vidyapith, Jaipur](#)


2 Years



Post Graduate



Full Time



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Master of Technology (M.Tech.) Biotechnology

An **M.Tech. in Biotechnology** focuses on the application of biotechnology. Students pursuing this degree gain technical skills in various areas, including bioprocessing, computational analysis, and plant breeding. They can expect to earn a three to ten-figure salary. Graduates can also choose to work in the research and development branch of a biotechnology company. It covers many different fields, including genetic engineering, structural biology, and microbial biotechnology. The curriculum is designed to develop problem-solving skills and help students learn new techniques.

A Master's degree in biotechnology offers a variety of career options for biotechnologists. It incorporates different assignments, internships, and presentations. An **M.Tech. in Biotechnology** graduate can work in pharmaceutical, food, and aquaculture companies. The job market for M.Tech. in Biotechnology graduates is growing rapidly, with many positions open to M.Tech. graduates. Some top organizations recruit students from [M.Tech. in Applied Botany](#), Molecular Biology, and Cellular and Molecular Biology. Some top institutions include Abbott, Sun Pharma, and Ranbaxy Laboratories.

Benefits of Master of Technology M.Tech. in Biotechnology

The benefits of pursuing an M.Tech. in Biotechnology program are many. This graduate program is designed for working professionals with a strong interest in biotechnology. Because the program is online, students can take classes at home or on campus, depending on their schedule. Most biotechnology programs also have a flexible curriculum, making them suitable for working professionals.

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and Naturopathy
(CYN)**

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**Master of
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(M.Tech.)
Computer Science
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(M.Com)**


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In addition to the benefits of M.Tech. programs, students may find their area of expertise more rewarding than other majors. Depending on their area of focus, students can choose to specialize in one or more sub-disciplines. For example, a student may specialize in the area of healthcare or bioprocessing industries. There are many other benefits of a Master of Technology degree in Biotechnology. An **M.Tech. in Biotechnology program** is open to those with undergraduate degrees in applied science, engineering, or biochemistry. In addition to a career in the medical field, graduates of this program can help with development in a variety of sectors, including agriculture, medicine, and pharmaceuticals.

Eligibility for M.Tech. in Biotechnology

Candidates must hold a Bachelor's degree in Biotechnology, Pharmacy, Biosciences, or in any relevant discipline from a recognized college or university. Candidates must have scored an aggregate of at least 50% marks in the qualifying examinations. A candidate should have a valid score in any concerned entrance examination.

Future Scope of M.Tech. in Biotechnology

There are a variety of career options available for graduates with a Master of Technology in Biotechnology degree. The field offers many opportunities for professionals to use living organisms and bioprocesses to improve health and wellness. These professionals can enter a range of sectors, including pharmaceutical manufacturing, food processing, and environmental science. Furthermore, graduates with a degree in biotechnology can pursue higher education and work as educators in a variety of sectors.

These jobs are in demand for qualified instructors. As a science and engineering field, biotechnology has evolved as a result of a scientific revolution. The field also helps old fields stay up-to-date and competitive in today's world. A graduate of biotechnology will be able to use their knowledge to solve everyday problems, and will be able to help save lives. The future scope of **M.Tech. in Biotechnology** is immense. There is an increasing need for skilled professionals in the field. Those interested in this field should be very focused on completing their education, as it involves research and development. Most of the work in this field is performed in research laboratories.

Career Opportunities and Job Prospects of M.Tech. in Biotechnology

M.Tech. in Biotechnology graduates are well equipped for a range of job positions. They are prepared to take on challenging projects and lead teams, thereby ensuring the success of their organizations. The field of biotechnology is constantly changing and a Master's degree will give you the necessary skills to excel in this sector. If you're able to create a good business plan, you can apply for government funding, which can help you launch your business. Another good option is working for a pharmaceutical company. The industry is growing rapidly and offers excellent salary packages. The government has many biotechnology startups to help you make a profit. A biotechnologist manipulates and improves biological systems. The field of biotechnology encompasses a variety of sectors including agriculture, medicine, waste treatment, food production, and many more.

Course duration and fee details of M.Tech. in Biotechnology

The M.Tech in Biotechnology course is two years long and consists of four semesters of six months each semester. The average fee for the completion of this course is between 50K to 400K, or it may vary from college to college.

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Master of Technology (M.Tech.) in Computer Science and Engineering

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Master of Science Agriculture (M.Sc. Ag.) in Entomology

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Campus



University



Delivery
Mode

Jaipur

Banasthali
Vidyapith,
Jaipur

Eligibility



Duration



Type of
Course

Bachelor Degree
in Related
Stream From
Recognized
University

2 Years

Post
Graduate

Syllabus of Master of Technology (M.Tech.) Biotechnology

S.No	1st Year Syllabus of M.Tech. in Biotechnology
1	Molecular Biology
2	Environmental Biotechnology
3	Exercises in Molecular and Cell Biology
4	Advanced Biological Chemistry
5	Exercises in Environmental Biotechnology
6	Cell Biology
7	Exercises in Advanced Biological Chemistry
9	Genetic Engineering
10	Plant Biotechnology
11	Exercises in Immunology
12	Exercises in Genetic Engineering
13	Exercises in Bacteriology and Virology
14	Exercises in Plant Biotechnology
15	Principles of Bacteriology and Virology

S.No	2nd Year Syllabus of M.Tech. in Biotechnology
1	Animal Biotechnology
2	Bioinformatics
3	Exercises in Animal Biotechnology
4	Exercises in Bioprocess Engineering



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marketing**

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**Master of Science
(M.Sc.)
Information
Technology**

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**Bachelor of
Technology
(B.Tech.) in
Electrical and
Electronics
Engineering**

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**Bachelor of
Technology
(B.Tech.) CSE in
Data Science**

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**Master of Planning
(M.Plan)**

APPLY NOW



**Bachelor of
Planning (B.Plan)**

APPLY NOW



**MBA (Master of
Business
Administration)**

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**MBA (Global
Supply Chain
Management)**

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**Master of
Commerce
(M.Com)**

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**Master of
Computer
Applications
(MCA)**

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**Master of Science
Agriculture (M.Sc.
Ag.) in
Entomology**

APPLY NOW



**Diploma in
Agriculture**

APPLY



5	Database Management and IPR in Biotechnology
6	Bioprocess engineering & Fermentation Technology
7	Exercises in Bioinformatics
8	Genomics and Proteomics
9	Stem Cell Technology and Regenerative Medicines
10	Agricultural Biotechnology
11	Biochemical and biophysical techniques
12	Bio-entrepreneurship
13	Nanobiotechnology
14	Scientific Research and Communications



Master of Computer Applications (MCA)

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Bachelor of Science (B.Sc. IT), Information Technology

[APPLY NOW](#)



Bachelor of Computer Applications (BCA)

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Bachelor of Science Honours (B.Sc. Hons.) Mathematics + B.Ed.

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Banasthali Vidyapith, Jaipur Highlights

Established in	1983
University Type	Deemed University
Recognized by	UGC , NCTE , BCI , PCI , COA ,
Courses	45

Students also visited



Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University (formerly known as RAU), Jodhpur...



Rajasthan Technical University, Kota, Kota...



Uniraj- University of Rajasthan (UR, Jaipur), Jaipur...



Bikaner Technical University, Bikaner...



Raj Rishi Bhatrihari Matsya University, Alwar...



Maharaja Surajmal Brij University, Bharatpur...



Govind Guru Tribal University, Banswara...



Maharana Pratap University of Agriculture & Technology, Udaipur...



S S Jain Subodh P G College, Jaipur, Jaipur...



IIT Jodhpur Indian Institute of Technology Jodhpur (IIT

