

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY WAKNAGHAT
ADMISSION To M. Sc. PROGRAMS-2023 (Non DBT Sponsored)

The M.Sc Programs are offered at JUIT Waknaghat in Physics, Biotechnology and Microbiology disciplines. The students joining M. Sc. Program are required to earn credits through course work and dissertation distributed over four semesters to complete the Program. The M.Sc. Program gives an opportunity to students to demonstrate their analytical, innovative and independent thinking ability leading to creating new knowledge and showcase its application in the form of dissertation in 3rd and 4th semesters apart from regular courses of study.

M.Sc. in Physics

M.Sc. in Physics is being offered by Department of Physics and Materials Science at JUIT. The Department has 2 UG labs and 7 research labs equipped with major equipments such as UV-Vis-NIR spectrophotometer, PL spectrophotometer, High temperature ambient controlled furnaces, Gas Sensor setup, Thin film evaporation unit, vector network analyzer, PCB design machine, etc.

The R&D infrastructure has been strengthened over the years through project grants (worth 1.7 crores) received from government funding agencies. The department provides opportunity to take up research in diverse thrust areas such as microstrip antenna design and applications, experimental materials science, and computational materials science etc. The courses are handled by faculty members who have immense experience in teaching and research. The curriculum has been so designed that the program will aim to make the students ready for research, industry and entrepreneurial endeavors.

[For more information about Department click here](#)

M.Sc. in Biotechnology is a full-time credit-based 2-years program run by the Department of Biotechnology and Bioinformatics. The Department has 20 labs equipped with major equipment e.g. RT-PCR, Q-TOF, 2-D Electrophoresis, genome sequencer, atomic absorption spectrophotometer, bioreactors, animal and plant cell cultures labs, Gel-doc system, gene gun, LP system, preparative HPLC, GC, fluorescent microscope, high end servers and workstations. The R&D infrastructure has been strengthened through external funding worth Rs. 22.0 crores from different Ministries of the Govt. of India, including prestigious DBT Program support under Centers of Excellence & Innovation in Biotechnology, DBT-RGYI, DST-FIST, DST Indo-Russian, DRDO, MoEFCC, and ICMR. The students are provided opportunity to take up research in diverse areas such as metabolic engineering of microbial and plant systems, bioprocess engineering, molecular biology of infectious diseases, diagnostics and vaccine manufacturing, industrial enzymes and protein engineering, plant cell culture technologies, bioremediation, biofuels, food technology & probiotics, biosynthetic pathway discovery and gene function, genomic, proteomic and metabolomic technologies, medical informatics, protein modeling, computational genomics, metabolic networks, systems biology, etc.

[For more information about Department click here](#)

M.Sc. in Microbiology

M.Sc. in Microbiology is a full-time credit-based 2-years program run by the Department of Biotechnology and Bioinformatics. The curriculum has been designed with a balanced mix of basic and advanced theory and practical courses with the aim to keep students abreast of the latest advances in the field. The course encompasses various booming fields within the domain, focusing

on microbiology in medicine and pharmacy, agriculture, food and dairy industry, environmental and nanotechnology, emphasizing on the latest advances in the field. Core and optional subjects in various fields of microbiology and allied areas such as Microbial Genetics and Molecular Biology, Environmental Microbiology, Enzymes & Bioprocess Technology, Medical Microbiology, Food & Dairy Microbiology, Recombinant DNA Technology, Bioinformatics & Omics, Vaccine Biology, Probiotics & Prebiotics, Microbial Technology, Metagenomics and Microbiomics provide in-depth knowledge. The course offers an optimum blend of theory, labs and dissertation/hands on project work, realizing the importance of transposing theoretical knowledge into practical implementation. The intention is to open various avenues for our graduates, preparing them for diverse career opportunities in hospitals, diagnostics, Pharma and Biopharma R&D's, Clinical laboratories, Food Industry, Food Safety, and Quality Control, as well as in core Microbiology industries. The final semester provides the base to hone their research skill in dissertation work and present their research findings. With the well-designed courses, the program aims to make the students ready for research, industry and entrepreneurial endeavors.

[For more information about Department click here](#)

JUIT M.Sc. Program 2023 Schedule

Please refer the link...

http://www.juit.ac.in/admissions_all/ImportantDates.pdf

Eligibility Criteria of JUIT M.Sc Program 2023

Degree	Eligibility Criteria
M.Sc. (Biotechnology) & M.Sc. (Microbiology)	Passed/Appeared* Bachelor's degree in Life Sciences, Environmental Sciences, Physical Sciences, Agricultural Sciences, Computer Sciences, Medicine (MBBS) or B.D.S, Pharmacy, Veterinary and Fishery Sciences or any other degree recognized equivalent there to by the University with at least 45% marks aggregate/equivalent CGPA (for SC/ST), 50% marks aggregate/equivalent CGPA (for other categories) OR CUET-PG-2023 :- Rank / Score / Percentile (Only for M.Sc. Microbiology)
M.Sc. (Physics)	Passed/Appeared * Bachelor's degree in Physical Sciences or any other degree recognized equivalent there to by the University with at least 45% marks aggregate/equivalent CGPA (for SC/ST), 50% marks aggregate/equivalent CGPA (for other categories) OR CUET-PG-2023 :- Rank / Score / Percentile

The number of seats for each M. Sc. Programs is limited to 30 except M.Sc. (Biotechnology) which is limited to 20 seats, 10 seats of M.Sc.(BT) is supported by DBT and admission is through GATB qualified rank in order of merit.

***Provisional Admission: Students who are in the final year are eligible to apply for admission in M.Sc. Program. The admission is subject to successful completion of graduate Program meeting the minimum eligibility criteria. (Candidate need to submit the final graduation result before 30th September 2023, falling which admission stand cancelled.)**

Application form complete in all respect must reach to Registrar "JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT, DISTT- SOLAN (H.P)-173234" by due date

alongwith a bank draft of Rs. 500/-. Application fee of Rs. 500/- is applicable for both online/application form purchased from JUIT Waknaghat. Draft to be made in favor of “Jaypee University of Information Technology” payable at Shimla.

Attach self attested copies of Transcript / Grades / Marks Secured as per serial 7 of application form. Paste one photograph on application form.

Seat Allocation

Seat allocation to the program with on the basis of merit of UG Program in a phased manner. Candidates awaiting their final semester / Year result use to update the same as the portal / admission form so as to considered for meriting of the application and thereby allocation of seat.

FEE STRUCTURE

Please note that the fee for the students being admitted for Academic Session 2023-24 is as follows:-

Particulars	Amount (INR)
Tuition Fee for academic year 2023-24	Rs. 44300/- per Sem
Hostel Charges*	Rs. 80000/- per Sem
Caution Money (One time & Refundable)	Rs. 20000/-
Admission Charges (One time & Non Refundable)	Rs. 10000/-

* Optional and if allotted. Limited hostel seats are available. For Single room occupancy Rs. 7500/- Extra

The hostel charges are subject to revision as and when deemed fit by the management considering hike in commodity prices.

Candidates are required to ensure that the hard copy of the completed application (or printout of online form) along with demand draft (if not paid online) is received at the university on or before last date.