



JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Approved by UGC u/s 2(f) of UGC Act 1956)

P.O. Wagnaghat, Teh. Kandaghat, Distt. Solan, Himachal Pradesh-173 234

ADMISSION PROCESS FOR MS.c. PROGRAMME

Academic Session: 2024-25

1. JUIT AT A GLANCE:

Jaypee University of Information Technology, Wagnaghat was established as the first State Private University of Himachal Pradesh vide Extraordinary Gazette Notification in May 2002. JUIT Wagnaghat offers M.Sc Programs 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. JUIT Wagnaghat provides a learner-centric academic environment to its students. It aims to instil in students the capability to deploy appropriate technology paradigms for given tasks, explore new technologies and lead teams to solve complex problems.

The University is spread over 25 acres of lush green pollution free environment with a built-up area of 74372.56 sq.m. comprising the Academic Block (with lecture theatres, classrooms, tutorial rooms, laboratories, administrative and faculty offices and the library), Hostel residences for boys and girls, faculty residences, guest house, Annapoorna (Mess), auditorium, sports facilities, 5 Gyms, bank with ATM, dispensary, helipad, university bus, laundry and other associated services. At present, boys and girls hostels can accommodate upto 1800 students. The hostel for girls is separate. The campus is fully wifi, with 24x7 electric supply and power back up. NCC is available for volunteer students. The medium of instruction in JUIT is English.

2. OVERVIEW OF DEPARTMENTS:

a) BIOTECHNOLOGY (BT) & BIOINFORMATICS (BI): Current developments in biological sciences have created a niche for “Bioeconomy” through research and innovation in biological sciences complemented by physical, chemical, engineering and information technologies to create economic activity and public benefit. Department of Biotechnology & Bioinformatics is one of the leading departments of JUIT among private education institutions in the country with a mission of crafting of Biotechnology and Bioinformatics professionals with leadership quality in technology, creativity, innovation, and entrepreneurship. This mission is to achieve through best practical approaches in teaching and research. The department is known for its quality education in area of Biotechnology and Bioinformatics due to its strong R&D program, up-to-date educational curricula, modern laboratory infrastructure, highly qualified faculty, foreign students’ exchange, IPR & patents, and placements of graduates in various leading companies in India and abroad. The department strives to harness human capital for sustainable competitive edge in the field of Biotechnology and Bioinformatics.

M.Sc. in Biotechnology is a full-time credit-based 2-years program run by the Department of Biotechnology and Bioinformatics. The program is DBT-supported for 10 seats through GAT-B examination. The Department has 21 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 and state, including prestigious DBT Program support under Centers of Excellence & Innovation in Biotechnology, DBT-RGYI, DST-FIST, DST Indo-Russian, DRDO, MoEFCC, and ICMR, DEST, HIMCOSTE. 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. International education experience with in this program enhances the opportunities of employment and higher studies for students.

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

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 mMicrobiology 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 endeavours. International education experience with in this program enhances the opportunities of employment and higher studies for students.

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

b) PHYSICS & MATERIALS SCIENCE(PMS):

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 equipment's such as UV-Vis-NIR spectrophotometer, PL spectrophotometer, High temperature ambient controlled furnaces, Gas Sensor setup, Thin film evaporation unit, vector network analyser, 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 endeavours.

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

3. ELIGIBILITY CRITERIA AND SELECTION FOR MSc PROGRAMMES:

The application form is for admission to MSc Programmes at JUIT Waknaghat only.

MSc Degree	Eligibility Criteria
<ul style="list-style-type: none"> M.Sc. (Biotechnology) M.Sc. (Microbiology) 	<ul style="list-style-type: none"> 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-2024 :- Rank / Score / Percentile
M.Sc. (Physics) with specialization in Nanotechnology / Material Science / Computational Physics	<ul style="list-style-type: none"> 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-2024 :- Rank / Score / Percentile

Seat allocation to the program is on the basis of merit of UG Program / CUET(PG)-2024 Rank / Score / Percentile in a phased manner. Candidates awaiting their final semester / Year result have to update the same on the portal / admission form so as to be considered for meriting of the application and thereby allocation of seat.

Candidates meeting the eligibility criteria mentioned above and having CGPA \geq 7.5 or equivalent grade / percentage in qualifying examination i.e. UG Degree will be considered for merit-based admission to MSc Programme.

While filling the application form applicant must mention the details sought in item No. 8 and 9 of the application form.

*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 2024, failing which admission stand cancelled.)

4. NUMBER OF SEATS:

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.(Biotechnology) Programme are supported by DBT and admission is through GATB qualified rank in order of merit.

Candidates seeking admission to MSc programmes offered by JUIT must meet the eligibility criteria listed above. Therefore, it is a must for candidate to go through the

programme-specific eligibility criteria carefully before proceeding towards filling the application form.

5. **RESERVATIONS:-** Reservation as per provisions of Gol.

6. **SCHOLARSHIPS:** Scholarship upto 50% waiver in Tuition Fee will be provided to 10 meritorious candidates as per their merit per department, as follows:-

CGPA or equivalent grades / percentage in Qualifying Degree	Scholarship
CGPA between 7.50 to 7.99	20% waiver in tuition fee
CGPA between 8.00 to 8.49	30% waiver in tuition fee
CGPA between 8.50 to 8.99	40% waiver in tuition fee
CGPA \geq 9.00	50% waiver in tuition fee

- The above scholarship will be offered to candidates meeting above CGPA requirements in final mark-sheet of qualifying degree.
- If appearing in the final year examination of the qualifying degree, then provisional scholarship will be offered based on the result of pre-final semester / year, subject to obtaining the required CGPA as per above table in the final mark-sheet of qualifying degree. The final mark-sheet of qualifying examination is to be submitted at the time of Registration to the 1st Semester or latest by 30 September of the admission year. However, release of scholarship is subject to production of final Semester / Year mark-sheet of qualifying examination and meeting the eligibility criteria only.
- For subsequent semesters scholarship will be admissible, subject to meeting the minimum SGPA \geq 7.5 in the previous semester.

7. **APPLICATION FORM:**

The students may fill / obtain the application forms in any of the following ways.

- a) Apply online and make payment using net banking /credit/debit card/UPI on website <http://www.juit.ac.in> / <https://www.juit.ac.in/juit-admissions>
- b) Apply online on website <http://www.juit.ac.in> / <https://www.juit.ac.in/juit-admissions> and make payment through bank draft.
- c) Obtain application form and brochure on payment of Rs. 500/- or by sending a demand draft of Rs. 500/- to JUIT Wagnaghat in favour of Jaypee University of Information Technology, Wagnaghat, payable at Shimla to the following address:-

The Registrar
Jaypee University of Information Technology
Wagnaghat, Teh. Kandaghat, Dist Solan HP, India
PIN 173234

8. **HOW TO APPLY:**

- Log on to <http://www.juit.ac.in/juit-admissions> and click on – MSC Programmes - 2024.
- Thereafter, candidate will be prompted to fill up the application and make the payment through Credit / Debit Card / Net banking / UPI. Alternatively, you can pay application fees through DD of Rs. 500/- favouring “Jaypee University of Information Technology” payable at Shimla. Write the application ID No. behind the DD to enable us to link your payment.

- Once the payment has been successfully made, the candidate shall be allotted an Application ID number, which must be saved for future reference. The candidate shall also get an E-Mail of confirmation.
- There is an option of attaching / uploading the photograph, signature of candidate and parents on the online application itself.
- Candidate whose result of qualifying examination is awaited may also apply for the program. However, they have to update their qualifying examination result on declaration OR by allowable date of result update as specified in supplementary Admission Brochure, so as to be eligible for counselling.
- You should make a photocopy of the application form and retain it for your record.
- Candidates who have procured the brochure and application form from university counter after payment of Rs. 500/-, are not required to make any further payment while submitting the application form
- It is mandatory to enter the marks of the subjects sought in the application form at item no. 8 and 9. Any applications received without marks of the qualifying examination shall be rejected and candidate shall have no claim for the Merit lists.

9. SENDING OF HARD COPY OF APPLICATION FORM, IF APPLIED IN OFFLINE MODE OR FEE PAID THROUGH DEMAND DRAFT

The completed Application Form –whether purchased or print out of the offline application must be sent to JUIT Wagnaghat by **due last date** mentioned at the link http://www.juit.ac.in/admissions_all/ImportantDates.pdf at the following address:-

The Registrar
(MSc Admission - 2024)
Jaypee University of Information Technology
Wagnaghat, Teh. Kandaghat, Dist Solan HP, India
PIN 173234

Candidates are required to ensure that the hard copy of the offline completed application OR application with Demand Draft (if not paid through online) is received at the university on or before last date.

10. FEE STRUCTURE

Please note that the fee for the students being admitted for Academic Session 2024-25 is as follows:-

Particulars	Amount (INR)
Tuition Fee for academic year 2024-25 – General Category	Rs. 47650/- 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/- per semester Extra.

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

For queries, write to: admission2024@juitsolan.in OR Call +91-7807868600 / 500 / 7807846021 / 047 / 048 / 049 / 050 / 064