

M.Sc. Industrial Microbiology Program

Frequently Asked Questions

Question 1: Where is GSFC University located?

Answer: GSFC University is located in lush green campus of Fertilizernagar, Vadodara (Pin: 391 750). This allows easy access to University students and faculties to GSFC's 22 plants situated in less than one km radius. Also, it helps in keeping bond between University and industry alive. It enables in exposing students to work place environment frequently and to make them industry ready.

Question 2: What is the duration of the course?

Answer: The M.Sc. Industrial Microbiology Program is of two-year duration. Each year is called an academic year and is divided into two semesters. Thus, there will be a total of four semesters.

Question 3: What are the eligibility criteria?

Answer: Candidate must have passed B.Sc. Degree with equivalent (10+2+3) from any University recognized by UGC in relevant subjects with minimum 50% marks as aggregate of all the semester /years. (45% for SC/ST/OBC with Non-Creamy layer /PD/EWS). B.Sc. Degree or equivalent with either Biotechnology, Biology, Chemistry, Microbiology, Biochemistry, Zoology, Botany, Life Sciences, Biological Sciences, Agricultural, Veterinary & Dairy Sciences, Pharmacy, Genetics, Bio-informatics.

Candidates who have appeared for the final semester of qualifying examination can also apply. In such case, the candidates are required to upload and submit the results as soon as they are available through E-mail (scanned image).

Question 4: What is the mode of the M.Sc. (Industrial Microbiology) entrance test 2021?

Answer: The M.Sc. entrance test 2021 will be conducted in the computer-based MCQs test on campus.

Question 5: How many seats are available for admission to the programme?

Answer: 20 seats

Question 6: What is the status of GSFC University?

Answer: GSFC University has been established as a Private University under Gujarat Private Universities Act 2009, as amended by Second amendment 2014 and notified on December 19, 2014 by the Govt. of Gujarat. GSFC University is authorized to award degrees, diplomas or grant certificates as per relevant sections of Gujarat Private University Act 2009 & first statute approved by Govt. of Gujarat. GSFC University being a private University incorporated under the State Act as mentioned above, is covered under section 2(f) of UGC Act as University. Section 22 of University Grants Commission Act 1956, also authorizes this University to grant degrees as it is established by a State Act. UGC has listed GSFC University on its website as a Private University.

Question 7: Does reservation policy apply for admission?

Answer: Yes. The details can be obtained from the admission cell.

Question 8: What is the mode of payment of fees?

Answer: Through Demand draft/Pay Order/ through Credit/Debit card.

Question 9: Is Hostel facility available?

Answer: Yes, a fully developed, safe and secured hostel facility with mess is available within the GSFC Fertilizernagar Township for girls and boys. Both the hostel facilities are Wi-Fi enabled and well furnished with entertainment, food and other facilities.

Question 10: What are the documents required at the time of application and admission?

Answer: Following documents are required:

- Mark-sheet of B.Sc. or equivalent examination
- Certificate of belonging to SC / ST / SEBC with non-creamy layer
- Migration certificate from previous institution for such students who are already admitted in other colleges and universities

- Proof of residential address (one of the following): i) Election ID Card, ii) Aadhar Card
iii) Ration Card iv) Passport

Question 11: How shall I find out if I am admitted?

Answer: You will receive an E-mail and a call from the GSFCU Office of Academic Affairs. Please note that official decisions are sent by E mail only.

Question 12: What is the medium of instruction and examination in the GSFC University?

Answer: Medium of instruction and examination at the GSFC University is in English. The students desiring to enhance their English communication skills will be provided additional inputs through arrangement of Bridge courses.

Question 13: How is M.Sc. Industrial Microbiology at GSFCU different from courses offered by other universities in India?

Answer: GSFC University offers Industrial internships after each semester under this course. In this course different skill enhancement electives are available to update the knowledge in chemistry. Blended Learning, emphasis on Hands-on Practical Experience for better learning and summer training- small research projects Seminars, Presentations by students are involved in this course.

Question 14: Does the course include any soft skills / personality development training?

Answer: Soft skills development and personality development sessions are integral part of the curriculum. GSFC University offers special subjects on communication skill and personality development through placement cell. University also has compulsory foundation course in first semester for overall development.

Question 15: What is the system of students' evaluation at the GSFC University?

Answer: The GSFC University follows a semester system with 10-point grading system as per UGC guidelines wherein each semester will have Semester Grade Points Aggregate SGPA on the basis of credit and points earned in each course and CGPA on cumulative performance throughout the academic tenure from all the courses. Grading in a course is based on

continuous evaluation throughout the semester which involves mid-semester test, quiz, assignments, projects, practical evaluation and end-semester examination.

Question 16: What are the sports facilities available at the campus?

Answer: The advanced facilities for playing badminton, cricket, basketball, volleyball, swimming, chess, carom, Golf, Gym etc. are available at the campus. Besides, the students will have the opportunity to be trained by recognized coaches and national and international players of the game through the GSFC Ltd.'s sports department on nominal chargeable basis

Question 17: What are the other extra-curricular activities available at the campus?

Answer: GSFCU campus have adequate facilities for sports and cultural activities. There are cultural and student managed clubs including band/orchestra in the institution. The students regularly participate in Intra College and inter college sports & cultural activities.

Question 18: What are the other facilities available for students at the campus?

Answer: GSFCU campus has some other facilities for the students such as Library and learning centre, Computer laboratory, Class rooms with projection facility Wi-Fi enabled campus, Cafeteria, Air conditioned auditorium, Stationary, utilities and reprographic centre, GUIITAR Council – GSFC University Incubation, Innovation, Technology & applied Research (GUIITAR) council is a cross-disciplinary applied research & innovation Centre for supporting students start-up and other entrepreneurial activities.

Question 19: What are the transport facilities to reach the University?

Answer: The University campus can be reached by public transport from Vadodara city. All the buses going to Dashrath village can be used for this purpose. The University also runs buses on limited routes on chargeable basis as per university timing. The Information regarding the same can be obtained from the administrative office.

Question 20: What is the strength of teaching learning process at GSFCU?

Answer: Theoretical teaching/learning at GSFCU is coupled with Industrial Exposure after each semester which is the USP of every program at GSFCU. The classrooms are fully digital, covid centric pedagogy, student centric learning with inputs in designing curriculum from students, regular curriculum updates with inputs from Industry and Academia.

Question 21: What type of teaching Methodologies are being followed during COVID times?

Answer: Online teaching platforms like Google meet/ Google Classroom, virtual labs, MOOC courses etc., are being used.

Question 22: What is the importance of M.Sc. Industrial Microbiology?

Answer: Industrial microbiology uses different microorganisms, such as naturally occurring organisms, laboratory selected mutants, or even genetically modified organisms, to produce a very large variety of industrial products for human interest. Industrial Microbiology has tremendous applications in industries such as Textile Industries, Environmental Clean-up Operations, House Hold Industries, Food Processing, Forensics, Bioprocess, Agriculture, Pharmaceutical and Chemical Industries

Question 23: What is the scope of M.Sc. Industrial microbiology?

Answer: Post-Graduates of Industrial Microbiology are offered with large number of career opportunities in different fields such as Biochemistry, Plant and Animal Biotechnology, Microbiology, Molecular Biology and Microbial Genetics along with industry orienting sectors like Bioprocess Engineering, Industrial Microbiology, Pharmaceutical Biotechnology to name a few. If you want to pursue a career in areas such as Immunology, Bioinformatics, Cancer Biology, Agricultural Biotechnology, Stem Cells, Genetic Engineering, Plant Biotechnology, Molecular Biology etc. choose M.Sc. in industrial microbiology. As per interest a student can pursue further studies in form of Ph.D. with government handsome stipend in institute of national and international repute. Many M.Sc. students tend to pursue their Ph.D. degrees in industrial microbiology or related fields as a Ph.D. degree opens up more avenues both in India and worldwide. A Ph.D. degree will give you the ability to start your own research lab, become a professor or head of the department in universities or be the lead for a team of research scientists.

Question 24: Does the M.Sc. Program have industry connections?

Answer: Yes. M.Sc. students have access to on campus industries such as GATL, GGRC & GSFC LTD R&D and also to our external industry partners.

Question 25: How will the institute support students in placement post completion?

Answer: Institute has a fully dedicated placement cell to facilitate placements post M.Sc.

Question 26: What are the industries/institutes that can be targeted for jobs/higher studies in India in Industrial Microbiology sector?

Answer: The Indian government has set up numerous research institutions of national repute conducting research in Cancer Biology, Stem Cells, Genetic Engineering, Biomedical Sciences etc. Following is an example of the leading industries/institutes in the field of Industrial Microbiology:

Pharmaceuticals: Biocon, IFGL Bioceramics Limited, Orbees medical, Invitrogen, Glaxosmithkline, Reliance life sciences, CTS life sciences, Dr. Reddy's labs, Cipla, Jubilant life sciences, Wockhardt, Torrent pharma, Cadila healthcare and Ranbaxy.

Universities and research institutions: IISc, TIFR, IITs, IISERs, NISER, NITs, NIPERs and IISERs.

Research institution: Bhabha Atomic Research Centre, RRCAT (Indore), multiple CSIR research labs including Center for Cell and Molecular Biology (CCMB), Council for Scientific and Industrial Research (CSIR), Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), National Centre for Biological Sciences (NCBS), CSIR – Institute of Genomics and Integrative Biology (CSIR-IGIB), National Institute of Plant Genome Research (NIPGR), National Institute of Oceanography (NIO), National Brain Research Centre (NBRC) , National Environmental Engineering Research Institute (NEERI), National Chemical Laboratories (NCL), National Centre for Cell Science (NCCS), Rajiv Gandhi Centre for Biotechnology (RGCB), Institute of Microbial Technology (CSIR-IMTech) ,National Institute of Immunology (NII) etc.

Questions 27: What is the average salary offered post M.Sc. (Industrial Microbiology)?

Answer: 3.0-4.0 lakh/Annum

***If you have a question which is not discussed here, please reach us on our mobile number:
6358788892***

or visit us in person at:

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