

Department of Biogas Research and Microbiology

Faculty of Science and Applied Science

At & Post- Sadra, District- Gandhinagar, Gujarat- 382 320,
Phone- 07929911120 Email:- admissionmicro@gujaratvidyapith.org



Gujarat Vidyapith (Deemed to be University)
founded by Mahatma Gandhi in 1920
Ashram Road, Ahmedabad, Gujarat
(Accredited 'A' by NAAC)

Details of Course offered (Duration:- 2 years (Four semesters) As per CBCS norms)

Courses	Eligibility	Total seats*
M.Sc. (Microbiology)	B.Sc. (Microbiology) with 55% Marks (Relaxation for reserved category candidates as per Government of India (GOI) rules)	56 (Reservation as per GOI rules)
M.Sc. (Environmental Sciences & Technology) By Research	B.Sc. in Microbiology/ Life Sciences/ Biotechnology/ Biochemistry/ Chemistry/ Environmental Science, with 55% Marks (Relaxation for reserved category candidates as per Government of India (GOI) rules)	18 (Reservation as per GOI rules)

*NOTE- DECISION RELATED TO NUMBER OF SEATS IN THE COURSES OFFERED IS SUBJECT TO CHANGE IN THE CAPACITY OF AUTHORITIES AND GUJARAT VIDYAPITH MANAGEMENT

Procedure for Admission

Please follow the instructions published on our website: <https://www.gujaratvidyapith.org/>

Course Structure (M.Sc. Microbiology) Core Papers & Elective Paper

First Semester	Third Semester	
Microbial Diversity	Bioprocess Technology	
Microbial Physiology	Environmental Biotechnology	
Bio-Instrumentation	Microbial Technology	
Gandhian Thoughts	Generic Elective-2	
Padyatra-1	Padyatra-2	
Udhyog-1		
Second Semester	Fourth Semester	
Enzymology	Biostatistics and Computer Application	
Molecular Biology and Bacterial Genetics	Research Methodology and Scientific Writing	
Recombinant DNA Technology	Dissertation Work	
Generic Elective-1		
Udhyog-2		
First Sem. Elective	Second Sem. Elective	Third Sem. Elective
Immunology	Bioinformatics	Biomethanation
Clinical Microbiology	Nanotechnology	Anaerobic Bioreactor Design
Forensic Microbiology	Biostatistics	Bioenergy

Course Structure (M.Sc. Environmental Sciences & Technology)

First Semester	Second Semester
Research Methodology and Scientific Writing	Advance Analytical Techniques for Environmental Sciences
Statistical Techniques and Computer Applications	Industrial Pollution and Control Technology
Eco-technology	Research- Part-I
Environmental Pollution	Seminar and Field Visit
Gandhian Thoughts	
Padyatra	
Udhyog	
Third Semester	Fourth Semester
Environmental Biotechnology	Sustainable Development
Environmental Chemistry	Environmental Management
Research- Part-II	Research- Part-III
Padyatra	Presentation of Research Work in seminar/ symposium/ conference
Seminar and Field Visit	

Thrust areas for Research

- Anaerobic Technology
- Environmental Microbiology
- Agricultural Microbiology
- Industrial Microbiology etc.

Facilities :-

- ✓ Separate Hostels for Boys and Girls,
- ✓ Separate Laboratories for Microbiology with advanced instruments facilities,
- ✓ Games facilities,
- ✓ Medical facilities,
- ✓ Education tour,
- ✓ Platform is available for students to get know-how of Village culture through Padyatra scheme.
- ✓ Central library facility with voluminous collection of books related with Microbiology and allied subjects as well as for various competitive exams including NET, SET, GPSC etc.
- ✓ Overall development of students through self learning activities like Udyog in the fields of Biofertilizer preparation, compost preparation, Waste water treatment, Handicrafts, House-hold utilities preparations, etc.
- ✓ Placement assistance in reputed pharmaceutical companies and other companies,
- ✓ Computer laboratory, internet facility,
- ✓ Students can avail scholarships offered by State Government as well as Central Government. Moreover, Gujarat Vidyapith also offers scholarships to students under "Merit" and "Swabhiman" scholarship schemes.
- ✓ Facility for Higher studies like MPhil and PhD in Microbiology subject at the campus itself.
- ✓ GSBTM nodal centre for Bioinformatics with latest soft-wares.