



Post Graduate Programme in Environmental Engineering

Course Curriculum

FIRST SEMESTER

- EV 561 Fundamentals of Environmental Chemistry
- EV 562 Environmental Microbiology & Environmental Mathematics
- EV 563 Water & Waste water Treatment-I
- EV 564 Water & Waste water Treatment-II
- EV 565 Environmental Sanitation, Health and Safety

SECOND SEMESTER

- EV 571 Air Pollution Control
- EV 572 Industrial water & waste-water Treatment-I
- EV 573 Environmental Sanitation, Health and Safety-II
- EV 574 Design of water & wastewater Systems
- EV 575 Environmental Impact Assessments

THIRD SEMESTER

- EV 684 Elective- Membrane Technology

Other Elective subjects offered are as under:

- EV 681 Air Pollution Control Equipment
 - EV 682 CAD for Environmental Engineering
 - EV 683 Pollutant Transport Modeling
 - EV 684 Membrane Technology
 - EV 685 Hazardous Waste Management
 - EV 686 Environmental Ethics
- EV 661 Seminar based on Industrial Training
 - EV 671 Dissertation Part-I

FOURTH SEMESTER

- EV 672 Dissertation part II
- EV 673 Advances in Environmental Engineering



Eligibility Criteria

- B.E.(Civil)/ B.E.(water Resources Engg)/B.E (Chemical)
- B.E.(Mech/Elect) with minimum 5 years relevant experience
- Min.50% marks or CPI 5 on 10 point scale

Important Features of the Programme

- This programme is approved by All India Council of Technical Education (AICTE) and affiliated to Sardar Patel University
- Present intake : 18 students
- Duration : 4 Semesters consisting of minimum 2 years
- Dr. B P Swadas Gold Medal is awarded by Sardar Patel University to the student who secures highest CPI
- At the end of two semesters the students undertake industrial training for two months and submit detailed report of the work done which is reviewed by Faculty
- The students are also required to undertake dissertation work (Research Project) in the third semester of his studies and complete the same within minimum one year

Unique Features of the Programme

- Continuous interaction with the industry as well as consulting engineering firms
- 3rd semester Industrial training provided where the student resides or in proximity of residence
- Arrangements are made as far as possible to facilitate dissertation work in the industry of choice of the student
- 100% Job is guaranteed Most of the time the students are absorbed where they get training

Career Development Opportunities

- In the academic field where the minimum requirement for recruitment to the post of Lecturer is M.E.
- In the State Pollution Control Boards and Central Pollution Control Board in protection of Environment or in Government in the Department of Environment & Forest
- In the industries generating aqueous pollution
- In the Consultancy field as an Environmental Consultant (to be approved consultant the SPCB requirement is M.E. (Env) for planning, designing, constructing, commissioning Sewage or Industrial Effluent Treatment Plants or preparation of Environmental Impact Assessment Statement for the projects proposed to be undertaken
- In the field of auditing as an Environmental Auditor Schedule-2 wherein out of 4 members, one must be M.E (Env) or B.E Civil with elective as Environmental Engineering

Faculty involved in teaching

Sr. Faculty	Designation	Specialization
1 Prof. J.H.Patel	Head CE Coordinator	Water and Waste water Quality and Treatment, Solid waste management, EIA and Legislation
2 Prof.Dr. K.N.Sheth	Co-coordinator	Membrane technology, water treatment, environmental safety, hazardous waste management, Design of Industrial wastewater treatment Plants, Environmental impact Analysis and legislation
3 Prof. S.M.Thaker	Asstt.Prof.	Industrial Water Waste Water treatment, Environmental Microbiology, Air Pollution Control
4 Prof. Deepak Vyas	Asstt.Prof.	Environmental Sanitation, Air Pollution Control
5 Prof.Dr. L.F.Rabari	Adjunct.Prof	Environmental Chemistry
6 Dr.Akshya Gupte	Lecturer	Environmental Microbiology and Biochemistry
7 Mrs. Reshma L.Patel	Lecturer	Design of Water Supply and Waste water Treatment System
8 Ms. Neha R.Patel	Lecturer	Water and Waste water Quality
9 Dr. T.A. Desai	HOD Mathematics	Environmental Statics and Mathematics

Important Dates for Centralized Admission Procedure

Issue of application form along with prospectus: last week of June 2007

Last date of submission of Application form(duly filled in): 16-07-2007

Date of Interview: 23-07-2007 at 10.00AM at ISTAR,V.V.Nagar

Contact

Coordinator : Prof.J.H.Patel (98246 23757)
Co-coordinator : Dr. K.N.Sheth (98250 09849)

Address for Correspondence

Director,
Institute of Science & Technology for Advanced Studies & Research,
Post Box No.13, Mota Bazar,
Vallabh Vidyanagar-388120.
Phone : 02692-234368 Telefax : 02692-234955
Website : www.istar.ac.in, bvmengineering.ac.in

