



Charutar Vidyamandal's INSTITUTE OF SCIENCE & TECHNOLOGY FOR ADVANCED STUDIES & RESEARCH (Accredited "A" grade by NAAC & KCG)

(Recognized by Section 2(f) & 12(B) of UGC Act. by University Grant Commission, New Dehil)

M.Sc. INDUSTRIAL CHEMISTRY

Affiliated to CVM University, Vallabh Vidyanagar, Anand, Gujarat.

SALIENT FEATURES.....

- Four semester masters degree programme started in 1990.
- Fine blend of Chemical Engineering and Chemistry. Curriculum comprises of the core aspects of chemical engineering, organic chemistry, polymer chemistry, Industrial Management & Safety.
- Well equipped laboratories with facilities for Chemical Engineering practicals, Industrial Analysis & Organic Synthesis.
- Compulsory in-plant training of six weeks after completion of second semester.
- Regular expert lectures from eminent people from industry & academics
- Industrial visits to make the students updated with the latest trends followed in industries.
- Students counseling & Personality Development Programmes for students
- Strong Academic-Industrial Interaction
- On hand Instrumentation training in Sophisticated Instrumentation Centre for Applied Research & Testing (SICART) on GC, FTIR and HPLC.
- Library enriched with latest edition of books and periodicals based on Chemical Engineering and Chemistry
- Suitability of students to get placed in all type of chemical industry in production, QC, QA, R&D and process development divisions.
- Facility for Ph.D in the department
- Campus Placement by esteemed organizations in and outside Gujarat well before the commencement of university examinations.
- **Scholarships awarded by Lupin Ltd. and MISA**



Ms. Meena Parmar was awarded Lupin scholarship



Campus Interview

Course Content: M.Sc. INDUSTRIAL CHEMISTRY

Semester I

- Core Papers :**
- Industrial Management & Psychology
 - Mass Transfer Operations
 - Industrial Organic Chemistry

- Elective Course :**
- Technology of oleo chemicals and surfactants
 - Water Pollution Control Technology

Semester III

- Core Papers :**
- Spectroscopy & Instrumental Techniques
 - Process Safety Management and transportation of fluids
 - Pharmaceutical Technology

- Elective Course :**
- Processing of oils & fats to utility products
 - Industrial Polymers

Semester II

- Core Papers :**
- Unit Processes
 - Heat transfer operations and Stoichiometry
 - Petrochemical Technology

- Elective Course :**
- Technology of paint manufacturing, printing inks & heavy duty protective coatings
 - Air Pollution Control Technology

Semester IV

- Core Papers :**
- Introduction to reaction engineering and steam generation
 - Process Development in Chemical Industries
 - Technology of Chemical Process Industries

- Elective Course :**
- Advanced Analytical Chemistry
 - Natural products

Eligibility for Admission

A candidate who has passed Bachelors degree examination in B.Sc. Industrial Chemistry / B.Sc. Industrial Chemistry (Vocational) / B.Sc. Applied Chemistry / B.Sc. Industrial Polymer Chemistry / B.Sc. Chemistry / B.Pharm/Bio Chemistry and other candidates who have studied at least two papers of Chemistry at Second Year or third year of B.Sc as core or elective subjects.



Laboratory Facilities: Laboratory Facilities: UV-Visible Spectrophotometer, Tubular Impact Tester, Digital Sonifier, Photoelectric Colori Meter, Turbiditymeter, Muffle Furnace, Conductivity & pH meter, Liquid Extraction & Leaching equipment, Distillation Column s, Heat transfer equipments

Campus Placements: SRF Ltd., Dahej, Atul Ltd., Valsad, PI Industry Ltd., Panoli, Lupin Ltd., (Ankleshwar, Dabhasa & Mandideep Units), Rallis Ltd., Ankleshwar, Ranbaxy Labs, Dewas, Amoli Organic Ltd., Vadodara, Torrent Pharmaceutical Ltd., Dahej, Reliance Industries Ltd., Jamnagar, Zydus Cadila Ltd., Ankleshwar

ADMISSION

FOR NEXT ACADEMIC YEAR WILL START

FROM MAY

I S T A R

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