



INSTITUTE OF SCIENCE & TECHNOLOGY FOR ADVANCED STUDIES & RESEARCH

(Accredited "A" grade by NAAC)

(Recognized by Section 2(f) & 12(B) of UGC Act. by University Grant Commission, New Dehil) 1st Rank among All Colleges of Gujarat by KCG (GSIRF) - 2021





M.Sc. POLYMER CHEMISTRY

Constituent College of CVM University

SALIENT FEATURES.....

- · Four semester master's degree programme as per Choice Based Credit System (CBCS).
- The course is started in 1990 and getting excellent response from industries.
- · Well equipped laboratories with facilities for polymer synthesis, processing and testing.
- Taught by well-qualified and experienced Science and Engineering faculty.
- Students can pursue Ph.D,M.Tech. etc. programme after M.Sc. degree
- Students can start their own small-scale industries.
- Library is rich with latest edition of books & periodicals.

- Project work on recent developments in the area of Polymer Sciences & Technology.
- Summer training for every student in well-known Polymer Industries.
- Invited expert lecturers and visit to various industries are conducted regularly.
- Visit to various Polymer Industries, National Seminars, Conferences and Exhibitions.
- Wide range of opportunities are available for Polymer Science & Technology postgraduates in industries and research centres.
- Placement for all students through campus interviews in related industries and organization.

Course Contents: M.Sc. POLYMER CHEMISTRY

Semester I

Core Papers

Electives

Practicals

Semester III Core Papers

Electives

Practicals

Concepts in Polymer Chemistry • Industrial Polymers

Polymer Materials & Recycling Industrial Chemistry -

Concepts in Materials Science : • Industrial Analysis - I

Industrial Analysis – II

- : Polymer Rheology High Performance Polymers
- Polymer Composites · Analytical Techniques
- Selected Topics in Polymer Chemistry
- : Polymer Processing & Testing II Polymer Synthesis

Semester II

Core Papers

: • Polymer Characterization • Polymer Additives

Polymer Processing

Electives Industrial Chemistry – II

Biophysical Chemistry

· Polymer Processing & Testing - I

 Identification of Polymers Semester IV

Core Papers

: • Rubber Technology • Petrochemicals

Polymer Blends & Adhesives

Electives

Practical

Practicals

: • Environmental Science

• Technology of Essential Oils Surfactants & Cosmetic Products

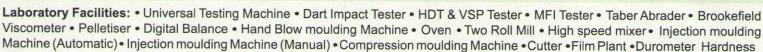
: • Project Work

100% PLACEMENT FOR ALL STUDENTS

Eligibility for Admission

B.Sc. with Industrial Chemistry, Industrial Chemistry (Vocational), Chemistry, Applied Chemistry, Polymer Science, Industrial Polymer Chemistry or any other branch of Chemistry or Chemistry as one of the major subject or have studied at least two theory subjects of Chemistry/Industrial Chemistry during graduation and also with Pharm / B Tech / BE., can be admitted to the examination for the degree of M.Sc. in the respective subject (Polymer Chemistry)





 Rockwell Hardness
Muffle Furnace
Izod / Charpy Impact Tester
Grinder
Volume
Surface resistivity
Constant Temperature Bath • Elmendorf Tear Tester • Barcol Hardness Tester • Centrifuge • pH meter • Conductometer • Calorimeter

Campus Placements: • IDMC, V.U.Nagar • Reliance Industries Ltd. • Indofil Ltd. • Suzlon Energy Ltd. • Styrolution Polymers Ltd. • Du Pont India Ltd. • PI Industries Ltd. • Acrysil Ltd. • Tipco Industries Ltd. • Enercon India Ltd. • Supreme Industries Ltd. • Anchor Electronic and Electricals • Solvay Specialty Polymers Ltd. • Gharda Chemicals Ltd. • Asian Paints Ltd. • Bayer Materials Pvt. Ltd. • Lanxcess Ion Exchange Ltd. • Loxim Industries • Bhansali Polymers Ltd. • Atul Ltd. • BASF India Ltd. • Gujarat Fluoro Industries Ltd. • Apollo Tyre Ltd.

Polycab Ltd. • Shree Rama Multitech Ltd. • Shaily Eng. Plastics Ltd. • Crest Composites Ltd. • Grasim Industries Ltd., etc.

ADMISSION

FOR NEXT ACADEMIC YEAR WILL START

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