



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 Dehli)

1st Rank Among All Colleges of Gujarat by KCG 2021

M.Sc. ANALYTICAL CHEMISTRY

CVM UNIVERSITY, Vallabh Vidyanagar, Anand, Gujarat

Eligibility For Admission B.sc Degree in Chemistry/ Industrial Chemistry (Vocational)/ Analytical Chemistry

Salient Features

- Teaching is delivered by highly experienced and qualified faculty
- Laboratories, class rooms and seminar hall
 - State-of-art well-equipped spacious laboratories for Organic, Inorganic and Physical Chemistry. practical.
 - Class rooms are well-ventilated and equipped with advanced multimedia facility.
 - A seminar hall with modern multimedia technology and a capacity of around 100 is also furnished.
- Career Services
 - Career counseling, mock interviews, resume writing seminars and personality development programme conducted during the academic year by experts.
- Placement by campus interviews.
- Industrial visit during academic year
- Library and Computer Facilities
 - The Common Library of ISTAR, plays a vital role in achievement, organization and spreading of knowledge.
 - It has an excellent collection of books, journals, technical reports and other reading material.
 - The students have access to internet in the library via broad-band and in the campus premises via Wi Fi connectivity.
- The students are given free training on various sophisticated analytical instruments (FTIR, NMR, GCMS, HPLC, SEM, TEM, TGA, DSC etc.) at SICART.
- Invited expert lectures are conducted regularly.
- Students can pursue Ph.D., M.Phil. programme after M.Sc. degree.
- Job opportunity in ADL, QC and QA departments in pharmaceuticals, agrochemicals, paint, polymer and petrochemicals industries.

Syllabus (CBCS)

Semester I

Core Papers : 1) Electron Spectroscopy and Magneto chemistry
2) Organic Chemistry-I
3) Physical Chemistry-I

Elective COURSE : 1) Polymer Chemistry
2) Biophysical Chemistry

Semester III

Core Papers : 1) Spectroscopy-I
2) Elements of Analytical Chemistry
3) Classical and Thermal Methods of Analysis

Elective COURSE : 1) Applied Industrial Analysis
2) Environmental Chemistry and Analysis

Semester II

Core Papers : 1) Quantum Chemistry & Organometallic Chemistry
2) Organic Chemistry-II
3) Topics in Physical Chemistry-II

Elective COURSE : 1) Analytical Chemistry
2) Introduction to Biochemistry

Semester IV

Core Papers : 1) Spectroscopy-II
2) Electro Analytical Methods
3) Separation Techniques

Elective COURSE : 1) Pharmaceutical Analysis
2) Occupational Practices

Job Opportunities

- Atul Pvt. Ltd.
- Reliance Industries Ltd.
- Zydus Cadila Healthcare Ltd.
- Piramal Discovery Solutions.
- Shri Ram Fibers Pvt. Ltd.
- United Phosphorus Ltd.
- Lupin Pharmaceuticals
- Sun Pharmaceuticals Ind. Ltd.
- Rallis India Ltd
- Unimark Remedies Ltd.
- Cadila Pharmaceuticals Ltd.
- Asian Paints
- J. B. Chem. & Pharma. Ltd.
- Bayer Ltd.
- Meghmani Organics Ltd.
- Amoli Organics Pvt. Ltd.
- O2h Discovery Pvt Ltd.
- Alembic Ltd.
- Rubamin Limited
- Cheminova India Ltd.
- Kemrock Ind. and Exports Ltd
- SynZeal Research Pvt. Ltd
- Apothecon Pharmaceuticals
- Dishman Pharma. & Chemicals
- Claris Life sciences Ltd.
- Intas Pharmaceuticals Ltd
- Aventis Pharma Ltd.
- Olax Pharma Labs Pvt. Ltd
- Torrent Pharmaceuticals Ltd.
- Uniphos Agro Industries Ltd.

ADMISSION

FOR NEXT ACADEMIC YEAR WILL START

FROM MAY

I S T A R

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