M.Sc. ORGANIC CHEMISTRY

What is UNIQUE about Loyola's M.Sc. Chemistry?

The Department aims at imparting knowledge through Student centric methods, Seminars, Group Discussions, Flip class & Video based learning, MOOCS, exposure to Research and Competitive exam oriented teaching.

Comprehensive Curriculum:

The core chemistry subjects provide foundation for the students to develop knowledge and intellect catering to the needs of Industries.

Industry Integration:

Through field trips, industrial tours collaboration of academia with industry, the student develops critical thinking skills, articulate minute details in solving practical problems in research and industry.

Practical Learning:

Students with their acquired practical knowledge conduct experiments, analyse data and draw conclusions based on their findings thus paving the way to develop passion for scientific enquiry. This is achieved through research projects, workshops, seminars etc.

Exclusive Recruitment Opportunities:

Loyola placement cell is instrumental in providing extensive job opportunities to the students thus aiming for good employability factor.



About the Programme:

- The programme offered is a two year M.Sc. focusing on Organic Chemistry, exploring the concepts in Inorganic, Physical and also Analytical techniques (Chromatography and Spectroscopy) in Chemistry.
- Multidisciplinary learning of the students inspires them to promote a positive change and broaden the boundaries of Chemical Sciences.
- The curriculum of the programme ensures that the students are empowered to address the challenges of the world.
- The core chemistry subjects provide foundation for the students to develop knowledge and intellect catering to the needs of chemical industries.
- M.Sc. Chemistry provides a rewarding career to the students thus enabling them to contribute in advancement of Science and Technology.

Infrastructure Facilities:

- UV-Vis Spectrophotometer
- Rota Evaporator
- Microwave Reactor
- Fume Hood
- Electro analytical instruments
- Research Lab

Placements:

Th D tment is proud of achieving$00'/ every year.

The leading recruiters include:

- Asian Paints
- Dr. Reddy's Laboratories
- GVK Biosciences
- Laurus Labs
- Daicel Chiral Technologies
- Sai Life sciences
- Vimta Laboratories
- Hetero drugs Pvt. Ltd
- MSN Laboratories
- Aurobindo Pharma
- Symphony Pharma Life Sciences

Library and Information centre:

Physical and Digital volumes of books and Journals by National and International Authors

"1'brougb Lens of Chemistry, We transform curiosity into discovery

LOYOLA ACADEMY

Career **Opportunities:**

- R&D Chemist in Pharma
- AR&D Chemist in Pharma
- Project Assistant in Research Institutes
- Quality Control and Quality Assurance analyst
- Chemistry software developer
- Content Development Analyst
- Business Development Analyst

Higher Education Opportunities:

- Ph.D. in varied research areas in Chemistry
- Certificate programs in IPR, Clinical Research & Regulatory Affairs

ELIGIBILITY CRITERIA

Admissions to our course is through Common Post Graduate Entrance Test (CPGET) and Osmania University counseling.

SEMESTER - I

Theory

i AEC - I
ii Inorganic Chemistry - I
iii Organic Chemistry - I
iv Physical Chemistry - I
v Analytical Techniques & Spectroscopy - I

Practical

i SEC - I
ii Inorganic Chemistry Practical - I
iii Organic Chemistry Practical - I
iv Physical Chemistry Practical - I
v Analytical Techniques & Spectroscopy Practical - I

SEMESTER - II

Theory

i AEC - II
ii Inorganic Chemistry - II
iii Organic Chemistry - II
iv Physical Chemistry - II
v Analytical Techniques & Spectroscopy - II
vi General Elective

Practical

i Inorganic Chemistry Practical - I
ii Organic Chemistry Practical - I
iii Physical Chemistry Practical - I
iv Analytical Techniques & Spectroscopy Practical - I

SEMESTER - III

Theory

i AEC - III
ii Organic Chemistry - III
iii Organic Chemistry - IV
iv Organic Chemistry - V
v DSE - I

Practical

i SEC - II
ii SEC - III
iii Organic Chemistry Practical - III
iv Organic Chemistry Practical - IV

SEMESTER - IV

Theory

i Organic Chemistry - VI
ii DSE - II

Practical

i Project
ii PLANET



