

**PG & RESEARCH DEPARTMENT OF CHEMISTRY
MAR IVANIOS COLLEGE (AUTONOMOUS)
THIRUVANANTHAPURAM**

COURSE OUTCOMES

M.Sc degree course (Chemistry):

- Upon completion of the PG degree course, students will be able to get an employment as a Chemist in any Chemical/Pharmaceutical industry or can pursue a doctoral program. Will be able to qualify the CSIR-UGC NET examination. After the PG course students could take up teaching jobs as well.
- Students will gain in-depth knowledge in all branches of Chemistry: Inorganic, Organic, Physical and Analytical.
- Students acquire thorough knowledge on various spectroscopic techniques and will be able to analyse & interpret the data generated.
- Knowledge on theoretical chemistry for understanding the structure and properties of molecules.
- Knowledge on research in Chemical Sciences and the methodology to be adopted. Will be able to undertake research in any area of chemistry.
- Students will get an opportunity to interact with leading scientists and researchers by doing projects in various reputed research institutions. Will gain knowledge on making seminar presentations and preparing project dissertations.
- In-depth knowledge on coordination chemistry, reaction mechanisms, molecular rearrangements, stereochemistry, spectroscopy, natural products, drugs, quantum mechanics, group theory, reaction kinetics, thermodynamics, polymer chemistry, nanotechnology etc.