

Master of Science (M.Sc.) in Chemistry (Organic Chemistry)

Duration: 2 Years (4 Semesters)

Program Type: Postgraduate Degree Program

Specialization: Organic Chemistry

Note: Subject codes may vary across universities. The following is a standard university-style syllabus structure.

Semester I

Subject Code	Subject Name
MOC101	Organic Chemistry-I: Structure & Bonding
MOC102	Physical Chemistry-I
MOC103	Inorganic Chemistry-I
MOC104	Spectroscopy-I (UV, IR & NMR)
MOC105P	Organic Chemistry Practical-I
MOC106P	General Chemistry Practical-I

Semester II

Subject Code	Subject Name
MOC201	Organic Chemistry-II: Reaction Mechanisms
MOC202	Physical Chemistry-II
MOC203	Inorganic Chemistry-II
MOC204	Spectroscopy-II (Mass & Advanced NMR)
MOC205P	Organic Chemistry Practical-II
MOC206P	Instrumental Methods Practical

Semester III

Subject Code	Subject Name
MOC301	Advanced Organic Chemistry
MOC302	Heterocyclic Chemistry

Subject Code	Subject Name
MOC303	Natural Products Chemistry
MOC304	Organic Synthesis & Reagents
MOC305	Medicinal Chemistry
MOC306P	Organic Synthesis Practical
MOC307P	Spectroscopic Analysis Practical

Semester IV

Subject Code	Subject Name
MOC401	Advanced Organic Reaction Mechanisms
MOC402	Green Chemistry
MOC403	Polymer Chemistry
MOC404	Bio-Organic Chemistry
MOC405	Research Methodology
MOC406P	Dissertation / Project Work
MOC407	Seminar & Viva Voce