Introduction:
The M.Phil in Chemistry at Forman Christian College (A Chartered University) is a two years program consisting of Course Work and Research. It follows guidelines given by HEC Pakistan, and is in line with the National Education Academic Standard USA. The broad areas of specialization for course work and research include Inorganic/Analytical Chemistry, Organic/Biochemistry, Physical Chemistry and Applied Chemistry. The research areas include organic synthesis, inorganic synthesis, metal-based drugs, pharmacological activities, isolation of natural products from medicinal plants, industrial waste and toxicology and nanochemistry. A great variety of career opportunities are available to chemistry graduates including Teachers, Medicinal Chemist, Pharmaceutical Chemist, Synthetic Chemist, Polymer Chemist, Food & Nutrition Chemist, Paints & Dyes Chemist, Petroleum Chemist, Analytical Chemist, Agricultural Chemist, Materials Chemist, Vegetable Oils Chemist, Leather Chemist, Biochemist, Pesticides Chemist, Perfumes and Fragrances Chemist, and Cosmetic Chemist.

1. Admission Requirements:
   - 4-Year baccalaureate degree from a HEC recognized local or foreign university, with major in Chemistry or a related field and a minimum of 2.5 CGPA.
   Or
   Conventional MSc in chemistry or a related field with a minimum 60% marks or 2.5 CGPA.
   - Graduate Assessment Test (GAT).
   - FC College Aptitude Test in Chemistry (FATC) & Interview

Provisional admission can be sought by students awaiting final results. Such candidates must, however, meet all other eligibility conditions.

2. Admission Procedure:
   - Each year, the M.Phil Admissions start in March with appearance of an advertisement in newspapers and/or on website of Forman Christian College.
   - Admission forms and prospectus are available with Academic Office, Ahmed Saeed Administrating Block.
   - Duly filled and complete admission forms must be submitted on or before the due date.
   - An applicant must clearly indicate his/her area of specialization in the admission form. He/she will appear in the Admission Test of his/her selected specialization which he/she must pass to be eligible for admission.
   - Area of specialization cannot be changed after the completion of admission process.
3. Core and Elective Courses:
- The Department of Chemistry offers, in the first two semesters, a number of courses. A student has to take eight courses (of 3 credits each) including three courses from the area of his/her specialization and four courses from other areas. A course of mathematics is mandatory for all M.Phil Chemistry students.
- A student has to pass the Comprehensive Examination which will be held after the completion of the course work each year. The comprehensive examination will be from the courses of specialization.
- After the specified period any selected/registered course can be dropped but its alternate cannot be registered for that semester.

4. Research Project and Thesis:
- After the successful completion of the course work a student will formally start work on a research project.
- Research project will be selected in consultation with the supervisor and approved by the department.
- During research period each student will present two research seminars of one credit each. The objective is to evaluate the progress of the student, his/her grasp on the topic and quality of research work.
- Research project should be completed within the specified time and the research thesis will be submitted to the department for evaluation and defense. Extension may be given in genuine cases.
- Research thesis will be accepted only if it meets the formatting and writing standards of the department.
- It is a student’s responsibility to check his/her thesis for plagiarism. The thesis must meet the integrity criteria of the university.
- Research thesis will be evaluated by the external examiner appointed by the Examination Department of the University on the recommendation of the Department of Chemistry.

5. Registration Procedure:
- A student has to register for the courses in each semester.
- Registration forms can be obtained from the Academic Office or the Advisor assigned by the Department of Chemistry.
- Students will fill up the registration forms as per the guidelines given by the department and in consultation with the Advisor.
- The registration form duly filled in and signed by the Advisor will be submitted in the Academic Office within the given timeframe.

6. Fee Structure and Procedure:
- Fee structure is available on Forman Christian College University website (www.fccollege.edu.pk).
• Dues are submitted for full academic year and installment plans are also available.  
• Merit and need based scholarships are also available in limited number.

7. Courses Repeat Procedure:
• A student can repeat a course only in the following situations:
  o If a student fails or has D grade in a certain course.
  o If CGPA of a student is less than the minimum CGPA criteria (2.5) for research.
• A course can be repeated only when it is being offered by the department for that semester.
• Repeating a course involves new registration through the academic office and payment of necessary dues.
• Department of Chemistry allows only one chance to a student to repeat course/s in which he/she has failed.
• In case of CGPA below 2.5, a student can repeat one or two courses to improve his/her CGPA.