

Chemistry with Medicinal Chemistry

University of Glasgow

Venues

Gilmorehill Campus

Content

Year 1:

The topics covered include the periodic table and main group chemistry, transition metal chemistry, organic chemistry, chemical kinetics, states of matter, chemical energy changes, aqueous equilibria and pH, and macromolecules.

Year 2:

The topics covered include molecular thermodynamics, organic stereochemistry, quantum mechanics and chemical bonding, organometallic chemistry, main group chemistry, enols and enolates, spectroscopy, solids and surfaces, aromatic chemistry, coordination chemistry, organic synthesis, electrochemistry, and applied organic chemistry.

You will also study other subjects in years 1 and 2: see Degrees in Arts, Life Sciences, Science and Social Sciences.

Years 3, 4 and 5:

If you progress to Honours (years 3 and 4), you will choose courses from a list of topics which includes anticancer compounds, antibiotics, analgesics and antivirals. In the final year you will undertake a project involving research in chemistry with medicinal or pharmacological applications: for example, making selected compounds and testing them for specific biological activity.

You can take Chemistry with Medicinal Chemistry as an MSci degree, which includes an additional placement year.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BSc Hons

UCAS Code

F103

Course Length

4 years

Faculty

College of Science and Engineering

Department

School of Chemistry

Entry Requirements

2026 entry requirements

Standard entry: 4 Highers at ABBB (by end S6 with min BBBB after S5) including Maths and Chemistry at AB or BA.

Entry to year 2 may be possible with 3 Advanced Highers at AAA including Maths and Chemistry plus above Highers.

Widening access entry: 4 Highers at AABB/BBBB (by end S6) including Maths and Chemistry. Completion of pre-entry programme is necessary.

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

Address

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Website

www.gla.ac.uk