

MSc

DRUG DESIGN AND DISCOVERY



University of
Salford
MANCHESTER

The pharmaceutical industry is on the cusp of a revolution in cancer and inherited disorder therapies. Following completion of the Human Genome Project, now is an exciting time for chemists to be involved in all aspects of biomedical research.

Prepare yourself to meet the challenges at the interface between biology and chemistry with this specialist postgraduate degree. MSc Drug Design and Discovery is recommended for applicants with a chemistry or biochemistry based undergraduate degree seeking to broaden their knowledge and career prospects.

COURSE DELIVERY

The course is available in flexible study formats, including full and part-time pathways. This course comprises eight core and optional 15 credit taught modules, followed by a 60 credit research project.

Featured modules:

- / Professional Practice
- / Novel Therapeutics
- / Natural Products
- / Bionanotechnology and Nanomedicine
- / Research Project
- / Postgraduate Scholarship Skills
- / Drug Design and Molecular Modelling
- / Research Design and Delivery



COURSE EXPERIENCE

- / Build information about state-of-the-art drug analysis approaches and gain insight into cutting-edge research and developments as you consider the limitations of current methodologies
- / Discover how chemistry, nanotechnology and genome technology is pushing the boundaries of biomedical research
- / Develop a sound knowledge of the importance of natural products in medicine, the mechanisms of natural product isolation and evaluate their properties to undertake problem solving in drug design
- / Receive training in drug synthesis and analytical methods, natural product chemistry and molecular modelling
- / Learn in our specialist, purpose-built teaching laboratory, known as the Bodmer Lab, as you build a skillset to enhance your employability, including analytical techniques and problem-solving skills

CAREER PROSPECTS

MSc Drug Design and Discovery is relevant to a wide range of careers in the pharmaceutical and biotechnology industries. It provides a pathway to a range of professions, including cosmetic science, animal health, food science, medical research, patent law, teaching and scientific journalism. Recent alumni have secured roles working as research associates (Liverpool University, John Innes Centre), in technical roles (University of Salford) and with pharmaceutical companies (e.g. Cyprotex) in the UK, Europe and worldwide.





CONTACT US

Programme Leader

Natalie Ferry

N.Ferry@salford.ac.uk

Course enquiries

enquiries@salford.ac.uk

0161 295 4545

MSC DRUG DESIGN AND DISCOVERY

Start Date: September, January

Duration: One year full-time, up to three years part-time

Location: Peel Park campus

Entry Requirements:

Applicants should possess at least a UK lower second-class honours degree (2:2) or equivalent in bioscience, biochemistry, pharmacy medicine or another related subject.

We also accept applicants who may not have formal/traditional entry criteria but who have relevant experience, through our Accreditation of Prior Learning (APL) scheme.

International applicants must demonstrate proficiency in English through an IELTS score of 6.0 (and no element below 5.5).