

Pharmacologist

Job Description

- Studies effects of drugs and chemicals on humans and animals. Carries out experiments to improve and develop drugs for use in prevention, treatment or cure of diseases. Assess drug effectiveness. May help with clinical trials, standardising dosages or methods of drug production. Some pharmacologists specialise in poison detection (toxicology).

Qualifications needed

- Level 5
- For degree: 2-3 A levels, including chemistry, biology and either physics or maths
- 5 GCSEs A*-C including English and Maths
- Appropriate EdExcel national awards/AVCE will also be considered

Universities

- Pharmacology degree courses are available throughout the country, and may be studied full- or part-time, or as a sandwich degree course which includes spending a year working in the industry.

University of Manchester

Pharmacology (3 years) [BSc]

- Entry requirements as before except the specified grades for entry are: AAB-BBC
- Teaching/Learning – in addition to the lectures and practicals associated with the course units, important features of all three years are the small group seminars and tutorial teaching on topics within the subject area of your degree. Some degree programmes have a field study requirement.
- Coursework/Assessment – units are examined individually throughout the three years, normally at the end of each semester. In addition, each degree programme has a special honours requirement at the end of the final year (problem-solving and essay writing)

University of Manchester

- Careers – almost half our graduates will either stay on to do a further degree or will go to work in the Biological or Life Sciences, in the pharmaceutical industries, agrochemicals or medical technology as well as for research institutes and government agencies.
- Postgraduate courses include Pharmaceutical Engineering (Advanced Training)

University of York

- The University of York offers BSc and MChem courses in:
- Chemistry
- Chemistry, Management and Industry
- Chemistry, Resources and the Environment
- Chemistry, Biological and Medicinal Chemistry
- They offer two distinct degree programmes, one lasting three years and leading to an honours BSc degree, the other involving four years' study and qualifying you for an honours MChem degree. The fourth year of the MChem programme can be spent at York *or* at a university in France, Germany, Italy, Spain *or* Finland *or* in industry.

CHEMISTRY, BIOLOGICAL AND MEDICINAL CHEMISTRY

- F122 (BSc)
F123 (MChem, Year in Europe)
F124 (MChem, Year in York or Industry)
- This course gives you the opportunity to learn about the chemistry of biological systems, the molecular basis of disease and how to design pharmaceutical products to combat illness.

Entry Requirements

■ A levels

We would normally expect applicants to be offering 21 Units. Offers are typically based on three subjects at A2, one of which must be Chemistry and a second subject should be either another science or Mathematics. We do not specify the third subject, though we would not include General Studies in the terms of an offer. Grades required are in the region of BBC, including B in Chemistry. UCAS Tariff points offers may also be made, for example when a student is taking 2 subjects at A2 (one of which would have to be Chemistry) and 2 AS subjects.

Interviews

- For applicants who are based in the UK, it is our policy not to make offers without interview. The interview day is not only aimed at finding out more about you, it is very much an opportunity for you to see the Department, the teaching facilities we have to offer, see the campus and meet members of staff.