



University College Dublin
Ireland's Global University



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MSc Toxicology & Regulatory Affairs (1 Year Full Time)

PD/CPD Toxicology

(Part Time and Full Time options available)

Toxicology is the study of how man-made and naturally occurring substances can have adverse effects on humans, animals, plants, and the environment, and how these effects can be minimised or avoided. Regulatory Affairs is a closely related field which focuses on the protection of public health in the areas of human medicines, medical devices, biotechnologies, foods, agrichemicals and cosmetics.

These courses explore the important role of toxicology in modern society with particular focus on the pharmaceutical, food and chemical industries. The range of courses in Toxicology &

Regulatory Affairs are aimed at individuals with a previous scientific qualification who wish to develop their skills and knowledge in this area and gain a recognised third-level qualification. Currently practicing toxicologists will also benefit from undertaking individual modules for continuing professional development (CPD), as all of the modules can contribute towards maintenance of professional toxicological accreditation.

Course content has been approved by the Irish Register of Toxicologists (IRT) for accreditation and CPD in this area.

Why study at UCD?



Tradition

Established 1854, with 160 years of teaching & research excellence



Global profile

UCD is ranked in the top 1% of higher education institutions worldwide



Global community

Over 6,000 international students from over 120 countries study at UCD



Global careers

Degrees with high employability; dedicated careers support; 1 year stay-back visa



Safety

Modern parkland campus with 24 hour security, minutes from Dublin city centre

Key Fact

These courses have been developed in close collaboration with the Irish Register of Toxicologists (IRT) and are also approved for accreditation towards becoming a registered toxicologist and for CPD credits towards maintaining IRT/ERT accreditation. The courses are run by European Registered Toxicologists (ERT), including guest lecturers delivering 'state-of-the-art' contributions as practising experts in a range of toxicological roles, from basic research to national and European regulatory bodies.

Course Content and Structure

90 credits
taught masters

60 credits
taught modules

30 credits
individual research project

- Essential Pharmacology for the Toxicologist
- Experimental Toxicology and Risk Assessment in the 21st Century
- Environmental and Occupational Toxicology
- Professional Skills for the Modern Toxicologist
- Food Toxicology
- Medical and Forensic Toxicology
- Regulatory Toxicology

Lectures are delivered by staff of international renown in their field, many of whom are practising toxicologists. Study days and e-learning are utilised to maximise flexibility in how students manage their study time.



Modules and topics shown are subject to change and are not guaranteed by UCD.

Career Opportunities

This programme provides a comprehensive overview of toxicology, and current toxicological assessments, highlighting current issues in toxicology. Graduates will gain the required level of professional ability to operate as independent toxicologists by developing a sophisticated level of data interpretation, communication skills, excellence in problem solving, and ability to critically evaluate and form judgements on complex toxicological problems.



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Fees and Scholarships

Tuition fee information is available on www.ucd.ie/fees. Please note that UCD offers a number of postgraduate scholarships for full-time, self funding international students, holding an offer of a place on masters programmes. Please see www.ucd.ie/international/scholarships for further information.

Accommodation

UCD has accommodation for over 2,500 students across five locations. Places are limited and more information is available at www.ucd.ie/residences/. For information and advice on living off campus, please contact the UCD Residences Off-Campus Office or the UCD Student Union Accommodation Services. Please visit www.ucd.ie/residences/accommodation-booking-support/ for further details.

Related Programmes of Interest

- Professional Diploma in Toxicology
- Professional Certificate in Toxicology
- MSc Biotechnology
- MSc Biotechnology & Business
- MSc Biotherapeutics
- MSc Biotherapeutics & Business

Facilities and Resources

The UCD School of Biomolecular and Biomedical Science is closely linked to the UCD Conway institute of Biomedical and Biomolecular research, which provides core technologies such as NMR spectroscopy, real-time PCR, electron microscopy, light microscopy, digital pathology and flow cytometry.

Apply Now

This programme receives significant interest so please apply early online at www.ucd.ie/apply

Entry Requirements

- This programme is a graduate programme and applicants must possess a minimum of an upper second class honours undergraduate degree or relevant experience in the area of toxicology/pharmacology.
- Applicants whose first language is not English must also demonstrate English language proficiency of IELTS 6.5 (no band less than 6.0 in each element), or equivalent.

Staff Profile

Dr Craig Slattery, UCD School of Biomolecular and Biomedical Science

I am a Lecturer in Toxicology & Regulatory Affairs at the UCD School of Biomolecular and Biomedical Sciences. Previously, I worked as an assessor in Human Medicines at the Health Products Regulatory Authority. I am a Registered Toxicologist and I act as an external assessor for national regulatory bodies, and an external advisor for pharmaceutical and biotechnology companies. My own research focuses on developing novel toxicology assays and systems for regulatory testing of pharmaceutical and biological medicines.

Jessica Walsh, Senior Toxicology Analyst, Medical Bureau of Road Safety

The MSc Toxicology & Regulatory Affairs offers a detailed account of the role of a Toxicologist in a regulatory environment. The Masters introduces students to pharmacokinetics and pharmacodynamics covering various topics including pharmaceuticals, food and the environment. It shows the role of a regulator in the mentioned disciplines enhancing your knowledge around toxicology and regulatory affairs which I was able to implement in my current role as a Forensic Scientist.

EU Enquiries Associate Professor Tara McMorro [✉ : biotech@ucd.ie](mailto:biotech@ucd.ie)
www.ucd.ie/courses/msc-toxicology-reg-affairs

Non-EU Enquiries [✉ : internationaladmissions@ucd.ie](mailto:internationaladmissions@ucd.ie)
www.ucd.ie/international

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