

# MSc in Environmental Health & Safety

MSc Health Safety & Ergonomics Stream

TU260

This MSc programme is delivered in two streams; the Environmental Health & Safety stream and the Health Safety and Ergonomics stream. The programme commenced in 1999 and enjoys a widespread academic and professional reputation. It is also accredited, by the Institute of Occupational Safety and Health (IOSH) while the Ergonomics stream is accredited by the Irish Ergonomics Society to give access to graduate membership. We hope you will enjoy your learning experience and studies in the TU Dublin and wish you every success on your journey of personal and professional enhancement.

## Aim of this Programme

The key aim of the programme is that you will develop a critical and mature scientific approach and there will be a sustained demand on you to build on the framework of material presented during lectures and workshops. Thus, in general, tuition will provide a broad overview and you will be expected to further explore the appropriate literature and develop your understanding of the area.

## History of the M.Sc. Environmental Health and Safety Programme

This M.Sc. programme began in 1999 and has evolved into the premier Environmental Health and Safety postgraduate third level qualification in Ireland. Since its inception, the M.Sc. has been regularly reviewed by the School and the Professional body, IOSH. At each review, an extensive and wide-ranging consultation process was carried out with all of the key stakeholders in the programme including students, former graduates, senior members of the profession, academic staff and external examiners. The feedback from these reviews is used to inform the delivery of the M.Sc. programme and ensure its sustained pre-eminence as first choice for risk professionals in Ireland. The date of the last Professional body review was 2017 when IOSH successfully re-accredited the MSc. The next academic review of this programme by the School is planned for the summer of 2019. The Health Safety and Ergonomics stream was introduced for the academic year 2019-2020.



This is a prestigious, highly competitive programme intended for those with an interest in the rapidly expanding field of Environmental Health and Safety. The broad aims of the programme are to provide you with the skills and knowledge to critically evaluate cutting-edge scientific and technical developments in Environmental Health and Safety and to enable you to carry out and supervise research. We also aim to provide you with a framework for lifelong learning and personal development. Taken together, these skills will enable you to function effectively in a variety of Environmental Health and Safety scenarios, including the Public and Private Sectors, as self employed professionals as well as with NGO's.

The demand for the stream on Health and Safety & Ergonomics has been expressed by the Irish Ergonomics Society and the Health and Safety Authority. There is growing demand in Ireland for H&S professionals who are also able to cover Ergonomics and Human Factors areas. The Irish Ergonomics Society receive frequent requests from people interested in a recognized qualification in ergonomics and needs to refer people to the educational offering available in UK. There has also been a shift in the type of ergonomics education that health and safety professionals would like, as there is a preference for ergonomics to be included in general masters level education in health and safety.

## Aims and Objectives of the M.Sc. in Environmental Health and Safety

The objectives of the M.Sc. programme are to provide all students with;

- a framework for lifelong learning;
- the skills necessary to critically evaluate cutting-edge scientific and technical developments;
- more in-depth understanding and knowledge in their chosen specialised discipline area;
- competence in general, technical and scientific communication;
- the skills necessary to undertake independent, hypothesis-driven scientific enquiry;
- core management skills and the ability to further develop and apply these skills;
- the ability to carry out hypothesis-driven research.

**Provider:** Technological University Dublin (NFQ Level 9)

**Title/Reference:** MSc (Environment, Health & Safety)

**Location:** TU Dublin (City Campus), Cathal Brugha Street, Dublin 1

**Duration:** One year full-time, two years part-time

**Application:** Office of Post Graduate Studies, phone 01-4023434

**For:** Science, Engineering, relevant programmes and managers in industry

**EU Fees:** About €6,500 for one year course or €3,250 per annum for two year part time course

**Subjects:** Taught – comprehensive range of OSH subjects and thesis

**IOSH:** Eligible for membership, grade subject to work experience

**Places:** 20-25

### Further Information:

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