

# PROFESSIONAL CERTIFICATE IN EPIDEMIOLOGY AND BIOSTATISTICS



**School of Public Health, Physiotherapy and Sports Science**  
<https://www.ucd.ie/phpss/study/>

The rigorous design and conduct of biomedical research is more important than ever before. It is essential that appropriate quantitative skills are available to researchers; from Principal Investigators, to PhD students.

Drawing on extensive faculty experience in Public Health, Epidemiology and Biostatistics, we are pleased to offer a Professional Certificate in Epidemiology and Biostatistics (15 ECTS) comprising 3 modules with a focus on data management, computational skills, study design and introductory biostatistics.

*Semester 1 Sept—Dec*

## **Data Management and Statistics with SPSS**

Understanding and managing data; describing, visualising and exploring data in IBM SPSS

## **Biostatistics I**

Descriptive statistics, sampling variation, simple parametric and non-parametric tests

## **Fundamentals of Epidemiology**

Disease classification and measurement; risk and association; study designs

### ***Information for Prospective Students:***

- ⇒ This course is suitable for all: from Postgraduate students beginning a research career to Postdoctoral or faculty researchers wishing to strengthen their quantitative skills
- ⇒ Researchers in any field will benefit, however examples are mainly drawn from biomedical research
- ⇒ Each module comprises 2-3 contact hours per week on the UCD Belfield campus over the 12-week semester, suiting part-time learners

**NFQ 9, UCD level 4 Professional Certificate**

**Duration is 1 year, and all 3 modules must be completed**

For more information contact:

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For fee information see [ucd.ie/fees](https://www.ucd.ie/fees)

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