

# School of Mathematical Sciences

## DT6248 Higher Certificate Mathematics (part time)

### Description

Higher Certificate in Mathematics (DT6248), is a two-year, part-time programme, delivered in the evenings so that study can be balanced with work and personal life. The programme is suitable for individuals who have already studied some mathematics at third level within another discipline.

Graduates of the programme have a strong grounding in mathematics and are eligible to directly enter the part-time programme, DT7248 BSc Mathematics.

### Who is it for?

Anyone can study mathematics. Employers are looking for individuals with strong mathematical, technical and problem-solving skills and, through our part-time and continuing professional development programmes, we deliver the skills that are needed in modern analytical roles.

The Higher Certificate in Mathematical Sciences (DT6248) is an entry into our series of part-time qualifications which caters to all levels up to and including postgraduate study. They are designed for those who want to upskill, require a better understanding of mathematics in their job, move up in their career and study a fascinating and deeply rewarding subject, fundamental to modern business and industry.

### Careers

A mathematical qualification opens up a wide range of employment opportunities: e.g. in teaching, data analytics, ICT and the financial sector. Graduates of this programme will be in a good position to embark on careers in industry, commerce, the public sector and other professions.

*more details overleaf...*

#### **For more information**

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## Features & content

- upskill and develop the skills required to advance a career more quickly in the modern workplace
- a flexible qualification recognised by employers and professional bodies
- employment opportunities across different sectors
- part of a ladder of qualifications from higher certificate to MSc and research
- graduates are eligible for direct entry to BSc Mathematics
- delivered in the evenings in central Dublin
- study with other part-time learners
- support from friendly, approachable and experienced lecturers
- topics include: numerical methods; calculus; analysis; discrete mathematics; linear algebra; geometry
- entry September each year

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As well as the personal enjoyment, this course has not only opened up new career paths but has made me aware of opportunities and ideas I never knew existed. It's funny to think the subject I feared is now the one I enjoy the most and is the one that's pushing me forward.

I continue to find the whole programme brilliant and highly recommend it. The lecturers are excellent and very helpful. This part-time maths programme is top quality, it's both challenging and rewarding. DIT is a great place to study.

*Michael M., graduate*

## Entry Requirements

- Completion of a suitable number of third-level mathematical modules

**OR**

- A level 6 or level 7 qualification in a mathematically related discipline

*Recognition of prior learning will be used to assess the equivalence of other qualifications & experience*

## Other part-time study opportunities

- ordinary degree (DT7248), honours degree (DT8248) programmes
- MSc Applied Mathematics (September: DT9210 / January: DT9212)
- MSc Mathematical Physics (DT9206)
- part-time degrees by research (MPhil & PhD)
- Postgraduate Certificate in Applied Statistics (DT9002)
- CPD Diploma in Data Analysis for Professionals (DT8998)

**There is a programme to suit every entry point!**

*Individual modules can be studied as standalone CPD courses (please contact us).*