

School of Mathematical Sciences

MSc Applied Mathematics

January intake: DT9209 (full-time)/DT9210 (part-time)
September intake: DT9211 (full-time)/DT9212 (part-time)

Description

MSc Applied Mathematics is a postgraduate programme that can be studied either part time or full time. It is suitable for applicants from a wide variety of backgrounds and new entrants can either start in January or September of each year.

The full-time programme is three semesters (one-and-a-half years) in duration. Learners study the part-time programme over three years, with lectures delivered in the evenings to allow flexibility in balancing study with work and personal life. Graduates are extremely flexible and able to apply advanced mathematical techniques to a wide variety of problems arising in business and industry.

Who is it for?

The programme is designed not only for those who wish to develop an advanced level of mathematical knowledge and practical problem-solving skills for diverse, real-world contexts, but also for those that simply wish to develop their understanding and appreciation of a fundamental branch of mathematics. Graduates gain a recognised postgraduate qualification and early exit awards are available at Postgraduate Certificate and Postgraduate Diploma levels. Full-time programmes are suitable for international students.

Careers

Graduates of the programme have highly-developed research and analytical skills and are well-prepared for high-calibre, technically-demanding careers in industry, commerce and other professions. Graduates are well suited to careers in finance, information and communication technologies, data analysis, the public sector and teaching.

more details overleaf...

For more information

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School of Mathematical Sciences

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Features & content

- enter in January or September each year
- upskill to advance a career more quickly
- options to study full time or part time
- located in central Dublin
- evening delivery for part-time learners and friendly, approachable lecturers, experienced in supporting part-time students who are returning to education
- lectured by experts and active researchers in the discipline
- delivered by the School of Mathematical Sciences, with topics approached from a mathematical perspective
- develop a deep understanding and enjoyment of fascinating and relevant areas of applied mathematics and mathematical physics
- graduates are flexible, highly-qualified, technical professionals with advanced analytical and problem-solving skills, ready to enter and apply their knowledge in a wide range of sectors and professions
- a broad range of topics in applied mathematics: methods for applied mathematics; modern applied statistical modelling; algorithms & approximation theory; mathematical modelling; classical mechanics & thermodynamics; special relativity & tensor calculus; numerical methods; biomathematics

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Entry Requirements

- equivalent of an honours degree (level 8) in mathematics, science, engineering or other numerate discipline at grade 2.2 or higher, where mathematics was studied as a significant component for approximately three years
- equivalent of IELTS 6.0 (at least 5.5 in writing) if English is not first language

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

Other study opportunities

- full-time undergraduate programmes: DT205 / DT220
- part-time undergraduate programmes: higher certificate (DT6248); ordinary degree (DT7248); honours degree (DT8248)
- MSc Mathematical Physics (DT9205 FT / DT9206 PT)
- 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).