

## 2.4. School of Mathematics & Statistics

The School of Mathematics & Statistics is the discipline home for mathematics and statistics in the University including pure mathematics, applied mathematics and mathematical modelling, numerical and computational methods, applied probability, statistics and data analysis. The School is one of four Schools in the Faculty of Computing, Digital & Data and provides modern, innovative, research-informed, technology-enhanced education to undergraduate and postgraduate students in all areas of the mathematical sciences and statistics. It is a vibrant, flourishing School, with strong, practical programmes, which undertakes a diverse range of activities from teaching and learning, to research, outreach and community engagement. It is a forward-looking School, fundamental to the technological, career-focused programmes of the University. It closely and effectively interacts not only with the other units in the University but also externally with industry and the community.

The School delivers full-time and part-time programmes in mathematical sciences at both undergraduate and postgraduate levels. It provides upskilling opportunities and continuing professional development through short programmes and individual modules. The aim of the School is to develop students' mathematical abilities and appreciation, particularly in the context of the real world. Our programmes provide a sound foundation of mathematical principles and advanced knowledge together with a broad range of modelling and relevant software skills, all of which emphasise problem-solving. This integrated approach ensures that graduates possess excellent analytical and problem-solving skills. The modules delivered by staff in the School of Mathematics & Statistics also contribute to programmes throughout the University. Research is fundamental to the activities of the School and there is a vibrant research atmosphere with staff engaging in research at the forefront of their specialisms and supervising the research of postgraduate and postdoctoral students.

The School regularly engages and collaborates closely with industry to ensure that its graduates remain valued by employers for their versatility, knowledge and skillsets and their ability to analyse and solve real-world problems. The School's programmes are therefore designed to provide students from a diverse variety of backgrounds the opportunity to study mathematics and prepare for complex professional roles in a changing technological world.

The promotion and support of mathematics and statistics disciplines is also a priority of the School. Mathematics is a key lifeskill and, through its events and community outreach, the School of Mathematics & Statistics promotes the wider understanding and enjoyment of mathematics in society: staff visit primary and secondary schools and host activities on campus for pupils; the School also participates in open days, community events and organises its own events for the national Mathsweek. The School also manages and operates the Mathematics Learning Centre (MLC), a support service for all undergraduate students of all mathematical abilities registered on programmes at TU Dublin. The centre aims to: provide mathematical support to students of all mathematical abilities; enable students to build confidence in their own mathematical abilities and take control of their own learning experience; allow students to achieve their full mathematical potential; and ease the transition to third level education. It caters for school-leavers as well as those returning to education and provides targeted support to access and mature students. As well as providing support to the University in all matters related to mathematics education it also actively promotes mathematics as a vital lifeskill. The support is provided by a team of experienced tutors delivering free, non-judgemental tuition to students in a friendly, relaxed and informal environment.

The School of Mathematics & Statistics has a remit across all university locations. The School office is located on the Grangegorman campus and our programmes make use of the bespoke, state-of-

the-art teaching facilities and technology-enabled computer laboratories and teaching rooms in the Central Quad.

The School has a demonstrated commitment to gender equality and is the holder of an Athena Swan Bronze award.

Further information about the School via the website: [www.tudublin.ie/mathematics](http://www.tudublin.ie/mathematics).