MTU
Ollscoil Teicneolaíochta na Mumhan
Munster Technological University

Master of Science in Computational Biology in MTU (Part-time, Online)

Are you a graduate from one of the biological sciences or related disciplines, wishing to upskill and gain advanced computational and data analysis skills?

The MSc in Computational Biology at Munster Technological University (MTU) is a part-time, fully online 2-year programme starting September 20th 2021. Graduates from the MSc in Computational Biology will possess high-level knowledge in biological science and computational skills, which can be applied to the analysis, interpretation, and visualisation of large biological datasets.

No background knowledge or experience in Computer Science is required. Students will undertake a series of modules designed to develop these skills from scratch, as well as taking advanced modules in biological sciences that complement the computer science components. There will be advanced biology modules (Synthetic Biology, Omics Technologies, Bioinformatics, Applied Genomics, Enzymes & Therapeutics and Structural Biology) combined with computer science and statistics (Scientific Programming for Biologists, Data Processing & Visualisation, Machine Learning in Biology, Applied Statistics for Biology and Deep Learning).

The programme will be delivered online using MTUs state of the art e-learning platform. This model will allow students to work full-time while studying part-time. The programme is delivered over a minimum of four semesters.

Available Places: 25

Course fee: €3,000 per annum, including an acceptance fee of €500 for those who enrol successfully.

Apply: Applications are only accepted through this **application link**, up to September 10th 2021.

Admission requirements

This MSc programme is open to all H2.2 (or equivalent) graduates from a Level 8 Degree in any branch of biological sciences or a related discipline. This programme is particularly suited to postgraduates already in part-time/full-time employment, wishing to upskill and international students for whom the financial (e.g., travel and accommodation) and administrative (e.g., visa authorisation) hurdles of pursuing an MSc abroad are removed.

Progression Option and qualifications

This is a two-stage award. Students can exit after 60 credits of learning with a Level 9 Postgraduate Diploma qualification (PGDip) in Computational Biology.
Upon successful completion of the programme (90 credits), graduates will receive a Level 9 Master of Science qualification (MSc) in Computational Biology.

Further details on the MSc in Computational Biology are available here