BE READY FOR THE FUTURE OF WORK

The new part-time online MSc in Data Science offered by IT Sligo prepares graduates for future work opportunities across multiple industry sectors. It combines techniques from mathematics, statistics, information theory, computer science and artificial intelligence with applications in a wide variety of fields. Our unique Masters programme combines six taught modules with a strong research project, where students are given the opportunity to implement their learning within a real-life context.

COURSE LEVEL
Masters Degree (Level 9)

COURSE OVERVIEW

The programme is delivered part-time online over two stages.

STAGE ONE
The programme consists of six taught modules, delivered over three semesters. Subjects included are Applied Statistics and Probability, Programming for Data Science, Machine Learning, Applied Linear Algebra, Data Analytics and Visualisation, Programming for Big Data.

A module in Research Methods will be provided to assist students in stage two.

STAGE TWO
A research project which is designed to develop a real and tangible solution, relevant to academic requirements, the student’s career aspirations and/or employer’s needs.

Students will be able to propose their own project areas, subject to agreement with their supervisor. Work related projects are encouraged.
CAREER OPPORTUNITIES
Industry requires increasingly complex and technical roles, such as Data Scientists, to implement and assess data models for data driven decision making. Skills such as Artificial Intelligence and Data Science are highly sought after in manufacturing, financial services, retail, health & education sectors.

ENTRY REQUIREMENTS
To qualify for entry to the programme a standard applicant must hold a Level 8 Honours Degree 2:2 or above. While it expected that most applicants will have an honours degree in Computer Science or related discipline, due to the multidisciplinary nature of Data Science an Honours Degree in Engineering, Business and Science will be sufficient. However, some programming knowledge (Ideally Python or C/C++ or R) and mathematics knowledge are prerequisites to the course.

A recognition of prior learning (RPL) may allow students, who do not meet the requirements, to qualify for the programme. Please contact us to discuss your suitability.

COURSE DURATION
Part-time over 2.5 years.

COURSE FEES
Total fees are €9,000 or €4,500 per year over 2 years.

FUNDING
Sligo Chamber Skillnet may be able to partially fund programme fees. For further details please contact gcourtenay@sligochamber.ie

Scholarships & Bursaries are available from IT Sligo. Further Information is provided to the applicant after submitting an application.

WHY CHOOSE IT SLIGO?
IT Sligo are the leaders in online learning and we continue to work closely with engineering, manufacturing, medical, biopharma and technology partners to develop innovative Masters relevant for the future of work.

WANT TO KNOW MORE?
For further details please see www.itsligo.ie/datascience

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