Testimonials

I received my Bachelor of Science in Geology but decided to do a Masters in GIS to upskill and expand my career prospects. I chose to study in DIT because of its excellent reputation for enthusiastic lecturers and because the course description looked academically stimulating.

There is an amazing support network available in DIT - work placements, IT support, thesis writing workshops and staff willing to go above and beyond to help their students reach their potential and achieve their goals. The lectures and practical classes were really interesting and contained practical applications from real world examples. The course covered a wide range of skills from coding to ArcGIS to open-source software.

While studying GIS, my eyes were opened to all the job opportunities available. The Masters have given me the tools and skills I need to have a successful career. I was offered a job before I had completed my dissertation. I am currently working as a Data Science specialist in geospatial analytics with many opportunities for continued learning. Studying GIS has opened so many new doors to me, both academically and professionally.

Orla Hammond
Data Scientist in geospatial analytics, AIB

After graduating from UCD with a Bachelor of Agricultural Science in Forestry, I chose to do the Masters in Geographic Information Science in DIT. Mapping and spatial analysis was a large part of my undergraduate course and, having always had a huge interest in mapping and cartography, GIS was a natural choice for me and greatly complemented my Forestry degree. I thoroughly enjoyed all areas of the course and the varied nature of the assignments and course work. Having successfully graduated I now work with Ordnance Survey Ireland as part of the Web Services team. This is a relatively new department and, given the constantly evolving nature of modern technology and the web, is an exciting and dynamic place to work, incorporating all areas of geospatial technologies from data management and spatial analysis through to cartography and the latest web mapping technologies. In my first months at OSi I was lucky enough to work on a project which won the 2016 Eir Spider Award in ‘Digital Geography and Location-Based Services’. This is a great source of professional pride and confirms to me that I chose the correct course. I thoroughly recommend the MSc. in GIS and I couldn’t be happier with the career path that it has set me on.

John Kennedy
Web services team, Ordnance Survey Ireland
Introduction
Geographical Information Systems (GIS) have become indispensable tools for governance, commerce, and environmental and social science delivering tangible business benefits, real cost savings and service improvement.

Over the coming years it is forecast that the area of GIS will grow rapidly and will require highly skilled graduates with both strong computing and spatial analysis skills.

The MSc programme in Geographic Information Science is offered in both full-time and part-time modes and places a strong emphasis on Information Technology, Programming and Web development, areas which have been consistently identified as critical to the need of the geospatial industry. The combination of strong IT skills with excellent spatial analysis capabilities will give graduates a competitive advantage in today’s marketplace.

The Programme
This conversion programme enables graduates from a related discipline to acquire a qualification in Geographic Information Science at Masters level. Having studied a particular degree you may decide that you wish to change or enhance your career path by undertaking this new conversion programme at DIT. Applications are invited from graduates of Engineering, Geography, Science, Geomatics, Archaeology, Planning, Environmental Science, Computing and Information Technology but graduates from other discipline areas are encouraged to apply.

The part-time mode of the programme may be particularly attractive to mature candidates and those currently in employment who wish to extend their knowledge and qualifications in this evolving and exciting discipline area.

Topics covered
Semester I
Fundamentals of GIS, Spatial Data Acquisition, GIS Project Management
Web and User Interface Design, Spatial Databases and Introduction to Programming

Semester II
Advanced GIS, GIS Modelling, Industrial Work Placement
Web GIS, Programming for GIS and Advanced Spatial Data Management

Calendar - Full-time mode
September to December: Six modules.
January to October: Six modules plus research project and dissertation.

Calendar - Part-time mode
Year One
September to December: Three modules - one evening and day per week
January to May: Three modules - one evening and day per week

Year Two
September to December: Three modules - one evening and day per week
January to October: Three modules - one evening and day per week plus research project and dissertation

Our Students
This programme has been running since 2013. The average intake onto the programme each year is approximately 20 students. You can apply for this course if you are just finished your degree, are considering further education within your current role or considering a change of career.

Industry Links and Professional Accreditation
The Spatial Information Science Group formerly the department of Spatial Information Sciences which specialises in all aspects of spatial information has strong links with professionals involved with the Geospatial industry together with professional bodies. Representatives from the Geospatial Industry played a key role in the development of the programme. Students undertake a work placement module in semester 2 that enables them to gain experience working within the geospatial industry.

The programme has full accreditation from the Society of Chartered Surveyors Ireland (SCSI) and the Royal Institution of Chartered Surveyors (RICS).

How to Apply
Postgraduate Admissions Office:
Tel: +353-1-402 3434
E-mail:postgraduate@dit.ie