

## Testimonials

I chose to complete my MSc. in Geographic Information Science after being introduced to the field briefly during my B.A. in Geography. TU Dublin stood out from other universities for its reputation for teaching diverse and applicable skills. The MSc. in GIS offers comprehensive industry knowledge, experience, and support to its students. The modules offered within the MSc. offer a great foundational knowledge of all the key areas of GIS and shows how GIS can be applied within different domains. The breadth and depth of course content was sound, with the early modules being well geared towards building basic GIS skills and academic subject areas, and later modules advancing on those key skills. The programming skills in particular open doors for the students and play a key role in my work today. The lecturers and staff at TU Dublin thoroughly cemented my interest in the field. They offer consistent constructive input and guidance and are happy to offer additional support when it was needed. I would completely recommend the MSc. in GIS to prospective students, both to those that are seeking a career in GIS and those already in positions where GIS can contribute to their current career.

### Antonia Blankenberg

Senior GIS Consultant, ESRI Ireland

After receiving my Bachelor of Arts in Economics and Geography, I decided to undertake the Masters in GIS at TUD because of how highly regarded it is in the geospatial industry.

The course had an excellent mix of both academic and technical-based modules, which prepared me extremely well for a career in GIS. While studying this course, I realised my career prospects opened up immediately due to the number of aspects of GIS covered. Modules like Advanced GIS, GIS Programming, Geographic Information Project Management, and Advanced Spatial Data Management proved key to securing a job. There was a great support network available to students in the form of securing work placements, thesis-writing workshops and, in general, staff going the extra mile to assist their students.

I am currently the GIS Technician at Atkins, working within the Highways and Transportation team. Here, I am applying all elements of what I learned in the Masters on a daily basis. I strongly recommend the MSc in GIS as you will come out the other end highly proficient in all things GIS

### Matthew Tiernan

GIS Technician, Atkins

## MSc in Geographic Information Science



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For further information on the course  
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## MSc in Geographic Information Science

TU268/TU220 (Full-time & Part-time)



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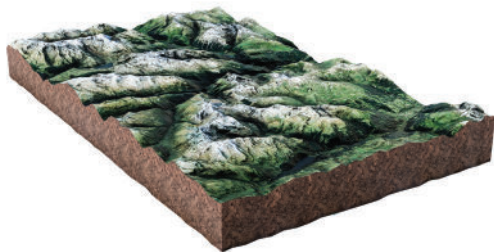
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## Introduction

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.

## 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 TU Dublin. 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.



## Course Content

### Semester I

- Fundamentals of GIS, Spatial Data Acquisition, GI 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

January to May: and one day per week

Three modules - one evening and one day per week

### Year Two

September to December: Three modules - one evening

January to October: and one day per week

Three modules - one evening and one 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:

- E-mail: [pgadmissions.city@tudublin.ie](mailto:pgadmissions.city@tudublin.ie)
- For non-EU applicants: [pginternational.city@tudublin.ie](mailto:pginternational.city@tudublin.ie)
- For full-time course (TU268): [www.tudublin.ie/study/postgraduate/courses/geographic-information-science](http://www.tudublin.ie/study/postgraduate/courses/geographic-information-science)
- For part-time course (TU220): [www.tudublin.ie/study/postgraduate/courses/geographic-information-science2](http://www.tudublin.ie/study/postgraduate/courses/geographic-information-science2)

