



BSc. Geographic Science (Hons)

DT112

Introduction

Would you like to use your knowledge of Geography in an interesting way? Would you like a qualification that is globally recognised and enables you to work anywhere in the world?

Would you like to become a chartered surveyor?

Do you want a career that allows you to work outdoors and indoors?

Are you interested in learning about state-of-the-art technologies?

Do you like working with numbers?

If your answer to these is YES, why not consider a career in Geographic Science.

What is Geographic Science?

Its where Geography meets Maths.

Geographic Science is also known as Geomatics.

Ever wondered how maps are made, or how a Sat Nav or Smart Phone allows us find the nearest cafe?

The answer to this and to lots of other geographical queries is that locational (spatial) information is collected and processed to produce maps which enable us to find our location.

The Professional responsible for this is a Geomatics Surveyor.

What do Geomatics Professionals do?

- We collect information for making maps using lots of new, cutting-edge technology.
- We process this information to produce maps, 3D-models and 4D systems of the world around us.
- We analyse this information to support good decision-making.
- We manage this information so that lots of different professionals can use it.

Course Facts

- Four year Honours degree program (Level 8).
- Ireland's only Degree program in Geographic Science or Geomatics - National centre of excellence with professional accreditation.
- 12 week work placement semester in Year 3.
- Erasmus links to universities around Europe - possibility of studying abroad.

Employment Opportunities

90% of graduates have found employment within 6 months of completing studies. (Globally, there is a huge demand for Geomatic graduates).

Graduates are working in a diverse range of areas, nationally and internationally, which include:

- Local Authorities, semi state bodies and state agencies where they provide specialist knowledge advice and expertise.
- Engineering planning, archaeological and environmental consultancies, private surveying companies and survey equipment suppliers.
- Hydrographic Survey companies involved with offshore exploration and investigation.
- Mining companies—underground and open pit quarrying.
- Specialist high technology companies which use satellites, aircraft and UAVs for the collection of data and imagery.
- Software development companies involved in the development of Geographical Information Systems (GIS), geospatial cloud computing and Locational Based Service applications.
- Many graduates progress to post-graduate studies in Ireland and abroad.



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Meet some of our graduates:

“ I always wanted to do something different and working in an office just didn't appeal to me. I chose Geographic Science because it gave me the option to work in so many different industries and roles. I chose to specialise in Hydrographic surveying and I now work in the Oil & Gas industry as an Offshore Surveyor. The work is diverse and exciting from installing subsea pipelines & structures to rig-moves and exploration. I work in the most extreme of environments from the poles to the tropics with the latest in cutting edge technologies. The industry is ever-evolving and I'm always learning, building on the skills and knowledge I developed in college. As a global industry the possibility for travel is endless, I wouldn't change it for the world!”

Laura Cummins, Graduated 2005.

“ Currently I'm working in the GIS department in National Parks and Wildlife Service of the department of Environment, Heritage and local Government. My principle duty is map creation. I chose to study Geographic Science for a number of reasons:- There is a great balance between office and field work. The nature of the work allows you to be creative and artistic, as well as technical and precise. There is a large variety of specialised career paths available. Finally the possibility to travel and work in many parts of the world.”

Stephen Moore, Graduated Geographic Science 2008 and M.Sc in Spatial Information Management in 2011.

Studying in Bolton Street

In DIT Bolton Street, class numbers are small and learning is facilitated through a mixture of

- Lectures
- Group work
- Problem Based Learning
- Site visits etc.
- Practical projects
- Speakers from industry

Professional Recognition & Progression

BSc. (Hons) degree is accredited by:-

- Society of Chartered Surveyors Ireland (SCSI)
- Institution of Civil Engineering Surveyors (ICES)
- Royal Institution of Chartered Surveyors (RICS)

Internationally recognised qualifications.

Academic member of International Federation of Surveyors (FIG).

Ireland and Dublin's Principal School of Surveying

DIT is the oldest and principal educator of Surveyors in the Ireland. Graduates of our programmes hold key position in property and construction in the country. At present we also have courses in Property Economics (Valuation Surveying / Property Asset Management), Construction Economics (Quantity Surveying), Geographic Science (Land Surveying) and Planning & Development Surveying.

The Dublin Institute of Technology at Bolton Street has been providing educational programmes for these industries for more than fifty years right through a number of recessions and periods of economic difficulty.

Contact

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