

Why become a Chartered

Geomatics Surveyor



RICS[®]

Geomatics Surveying Professional Group

Geomatics surveying offers the professional designations of Chartered Land, Engineering and Hydrographic Surveyor of the SCSi.

Geomatics surveying is one of the fastest expanding global markets and a truly worldwide profession. As the underpinning information providers of the land and property lifecycle, geomatics is of fundamental importance to society. The Geomatics

Surveying discipline benefits from the advancements in information technology that include Building Information Modelling (BIM), GIS, Global Navigational Satellite Systems, point cloud technology, 'joined up government' initiatives and spatial data infrastructure. Whilst maintaining its role in land law and other socio-economic areas, leading chartered surveying firms realise the importance of geomatics, not only to the profession but to the future success of their businesses. The growth in the EU and national governments spatial data agendas and legislation needs chartered surveyors to fill senior management and advisor roles, offering highly specialist expertise and knowledge.

The Geomatics Surveying Professional Group promotes qualified chartered land, hydrographic and engineering surveyors, who can provide specialist knowledge, advice and expertise within central and local government, multinational corporations, the United Nations and other global organisations such as the World Bank, and also work locally, giving professional advice to the general public and small/medium sized clients in the following areas of practice:

- 2/3d graphics/imaging
- Land, engineering & hydrographic surveying
- Mapping and positioning



- Building Information Modelling (BIM)
- Structural Deformation Monitoring
- Geographic Information Science (GIS)
- Global & local navigation systems
- Engineering survey
- Cadastre & land registration
- Private, regional & international boundaries determination
- Dispute resolution & expert witness
- Land law, administration & reform
- Cartography
- Aerial and terrestrial photogrammetry, laser scanning, LiDAR & remote sensing techniques
- Spatial data & metadata management, interpretation & manipulation



Shaping the future, leading the change.

Geomatics surveying acts as the underpinning data of the land and property life cycle. A recent (2014) economic study commissioned by Ordnance Survey Ireland estimates that the use of geospatial information accrues annual savings of €82m in the public sector, time savings with an economic value of €279m, and competition benefits of €104m.

The geomatics industry is not just Irish driven, the global market for chartered

surveyors working in geomatics is significant and growing in demand.

From the day-to-day management of land and property to the integration of geomatics with traditional forms of property management, land administration and construction, the SCSi Geomatics Surveying Professional Group promotes the specialist skills of its members to the public, businesses and clients worldwide.

Becoming a Chartered Geomatics Surveyor

Who you are:

Passionate and intelligent: Geomatics surveyors are engaged in shaping the future and improving the lives of citizens. Geographic information and location based services are increasingly being used to help in the decision making process by individuals, local communities and governments. Good surveying and geographical information is at the very heart of efficient regional, national and international economies. Even though chartered surveyors earn more money than non qualified professionals, it's not just about money. Working within the geomatics sector is rewarding and important – from railways and infrastructure to land registration and neighbour disputes to marine survey and exploration, it can provide real scope for you to shape and protect your environment and contribute to a sustainable future.

Dynamic:

Geomatics surveyors cover a very wide area of practice and are at the cutting edge of technology. Rapid advancements in information technology has revolutionised the profession and Geomatics surveyors now find themselves working with Laser Scanning instruments, Global Navigation Satellite System (GNSS) equipment, within 3 dimensional environments in films to Global Navigation Satellite Systems (GNSS - GPS) equipment, on the ground, on board a survey vessel or even a helicopter/plane using LiDAR technologies.

Globally minded:

Geomatics is truly global in scope. Geomatics and an SCSi/RICS qualification can enable you to work across the world.



How do I become a Chartered Surveyor?

Being a Chartered Surveyor is a mark of excellence – one that combines academic achievement with internationally recognised professional standards. There are numerous routes to SCSi membership and the staff at SCSi will be more than happy to help you find the one that best suits your experience and academic qualifications.

In order to become a Chartered Surveyor, you must have an accredited qualification and then undertake the Assessment of Professional Competence (APC) a structured period of on the job training and assessment. The SCSi/RICS Assessment of Professional Competence (APC) ensures that those applying for SCSi/RICS membership are competent to practise and meet the high standards of professionalism required by SCSi/RICS.

To become a Geomatics Chartered Surveyor, you must undertake the Geomatics APC pathway of specialism. More information about the Geomatics Pathway and competencies can be found on the SCSi web site at www.scsi.ie

There are seven routes to becoming a Chartered Geomatics Surveyor.

Graduate Route

1

Graduate Route 1 is for candidates with an RICS/SCSi accredited degree and limited experience (less than 5 years), or no prior relevant experience.

Graduate Route

2

Graduate Route 2 is for candidates with an RICS/SCSi accredited degree and at least five to ten years' relevant experience.

Graduate Route

3

Graduate Route 3 is for candidates with an RICS/SCSi accredited degree and at least ten years' relevant experience.

How do I become a Chartered Surveyor? *(continued)*

Adaptation Route

The Adaptation Route is for those applicants with 10+ years experience and a non-accredited degree or a relevant professional qualification AND 450 study hours from the final year of an RICS/SCSI degree before applying for Final Assessment

Senior Professional Route

RICS/SCSI offers a route to membership specifically designed for senior professionals. As a general rule, you will be able to demonstrate a good range and length of leadership and management of people and resources, at an organisational level – rather than the day-to-day operation of a small-to-medium sized team. It is also important that you have worked at this level of seniority for a period of time.

Research Route

The Research route is for surveyors specialising in the area of industry research and analysis, who are engaged in relevant employment. Candidates must be approved for this route before commencing the APC.

Academic Route

The Academic route is for surveyors working in the academic sector, who are engaged in relevant employment.

To find out more about the above routes please contact the Education and Membership Department at education@scsi.ie



What do I get?: Chartered Status

Chartered status enables you to stand out from other job titles and functions. It shows that you are a professional person, armed with leading edge knowledge and skills. This gives confidence to clients, the general public, and employers.

The results of the 2007 independent Macdonald & Company Salary Survey stated that:

- When looking at age, chartered surveyors earn an average of 8% more than non qualified professionals
- Those who appear likely to be in the early stages of their career (aged 23 to 35) earn an average of 21% more than non qualified professionals

During a typical two to three year period spent in professional practice you will undertake your Assessment of Professional Competency (APC). This process includes a structured learning programme and advice from practicing surveyors. It will give you the confidence in using your knowledge and skills to provide hard-nosed professional advice and to communicate it articulately and confidently in a range of situations.

Professional support services:

Geomatics Chartered Surveyors have unrivalled networking opportunities through direct access to colleagues and contacts across the SCSi' global and local network. This includes access to leading edge professional information, guidance and training through regular email alerts and professional magazines. SCSi / RICS membership is a nationally and internationally recognised 'kitemark' of professionalism and is one of the very few really internationally transferable professional qualifications.

Geomatics surveyors provide a range of member benefits such as:

- A full and ever expanding portfolio of industry standard guidance and technical information
- Extensive online resources, weekly ezines, newsletters and a quarterly Surveyors Journal magazine
- Free lectures and events (with related online resources)
- International and national liaison network.

"Working in ESB International demands a very high level of technical ability, professionalism, mutual respect and integrity, all of which are pivotal in my workplace. The professional skills I have developed over the years and being a member of the Society of Chartered Surveyors of Ireland (SCSi) and RICS allows for both external industry validation and it encourages continual professional development which helps to deliver multidisciplinary projects for all our clients."

David Reidy, Chartered Geomatics Surveyor

"Being a Chartered Geomatics Surveyor has given me a competitive edge when tunnel surveying and monitoring on the Network Rail at Central Village, Liverpool Central Station, London. As a Chartered Geomatics surveyor I work to international practice standards and use the professional guidance available to me to insure that the highest specifications and standards required with all surveys I undertake are achieved."

Eugen Niculae, MSCSi, MRICS, Quality and Processing Manager at Murphy Surveys

Dating back to 1895, the Society of Chartered Surveyors Ireland is the independent professional body for Chartered Surveyors working and practicing in Ireland.

Working in partnership with RICS, the pre-eminent Chartered professional body for the construction, land and property sectors around the world, the Society and RICS act in the public interest: setting and maintaining the highest standards of competence and integrity among the profession; and providing impartial, authoritative advice on key issues for business, society and governments worldwide.

Advancing standards in construction, land and property, the Chartered Surveyor professional qualification is the world's leading qualification when it comes to professional standards. In a world where more and more people, governments, banks and commercial organisations demand greater certainty of professional standards and ethics, attaining the Chartered Surveyor qualification is the recognised mark of property professionalism.

Members of the profession are typically employed in the construction, land and property markets through private practice, in central and local government, in state agencies, in academic institutions, in business organisations and in non-governmental organisations.

Members' services are diverse and can include offering strategic advice on the economics, valuation, law, technology, finance and management in all aspects of the construction, land and property industry.

All aspects of the profession, from education through to qualification and the continuing maintenance of the highest professional standards are regulated and overseen through the partnership of the Society of Chartered Surveyors Ireland and RICS, in the public interest.

This valuable partnership with RICS enables access to a worldwide network of research, experience and advice.

Society of Chartered
Surveyors Ireland
38 Merrion Square,
Dublin 2, DO2 EV61,
Ireland

Tel: + 353 (0)1 644 5500

Email: info@scsi.ie

www.scsi.ie