

Geoinformatics



What is Geoinformatics?

Geoinformatics is the science and the technology which develops and uses information science infrastructure to address the problems of geography, geosciences and related branches of engineering. This encompasses analysing geoinformation through geocomputation and geovisualization using technologies like geographic information systems, satellite earth observation, aerial photogrammetry, spatial modelling & analysis, satellite navigation, web mapping and cartography.

Geoinformatics at Stellenbosch

Stellenbosch University offers a professionally accredited programme in Geoinformatics in the form of the 3-year BSc Geoinformatics degree, followed by the 1 year BScHons Geoinformatics degree. This combined four-year programme allows graduates immediate registration as GIS Professional-In-Training as provided for in the South African Geomatics Profession Act. Further opportunities exist in postgraduate studies in the form of Masters and PhD degrees.

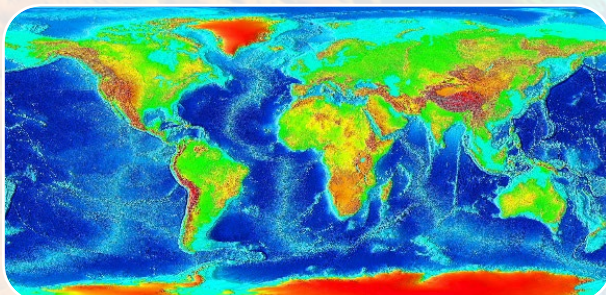
Career Opportunities

Geoinformatics employment opportunities span a wide range, including government, research institutions and commercial consulting. Job titles include:

GIS Technologist
Earth Observation Specialist
Spatial Data Analyst
Researcher Scientist

Contact Details

Email: catherine@sun.ac.za
Tel no: +27 21 808 3218
Website: www.sun.ac.za/geography
Facebook: www.facebook.com/SUGeoinformatics



GeoInformatika



Wat is GeoInformatika?

GeoInformatika is die wetenskap en tegnologie wat inligtingswetenskapinfrastruktuur ontwikkel en gebruik ten einde die probleme van geografie, geowetenskappe en verwante vertakings van ingenieurswese, die hoof te bied. Dit behels die analisering van geo-inligting deur middel van geoberekening en geovisualisering deur gebruik te maak van tegnologieë soos geografiese inligtingstelsels, satelliet-aardobservasies, lugfotogrammetrie, ruimtelike modellering & analise, satellietnavigasie, webkartering en kartografie.

GeoInformatika by Stellenbosch

Die Universiteit Stellenbosch bied 'n professioneel geakkrediteerde program in GeoInformatika aan, as 'n 3-jaar BSc GeoInformatika-graad, gevolg deur die 1 jaar HonsBSc in GeoInformatika. Hierdie gekombineerde vier jaar lange program stel gradueerdes in staat om onmiddellik as GIS Professionele Persoon-In-Opleiding te kan registreer soos bepaal in die Suid-Afrikaanse Wet op Geomatikaberoepe. Die meesters- en PhD-graadprogramme bied verdere nagraadse studiegeleenthede.

Beroepsgeleenthede

Beroepsgeleenthede in geoinformatika strek wyd, en sluit in: die regering, navorsingsinstellings en kommersiële konsultasiewerk. Posbenamings behels:

- GIS Tegnoloog
- Aardobservasie-spesialis
- Ruimtelike data-analis
- Navorsingswetenskaplike

Kontakbesonderhede

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Tel: +27 21 808 3218
Web: www.sun.ac.za/geography
Facebook: www.facebook.com/SUGeoinformatics

