



4a Old Main Road, Judges Walk, Kloof, Kwazulu-Natal, South Africa, 3610
PO Box 819, Gillitts, 3603, South Africa
Tel: +27 (0) 31 764 7130 Fax: +27 (0) 31 764 7140 Web: www.gcs-sa.biz

ADVERT

HYDROLOGIST/SOILS SPECIALIST

Job Description:

GCS has a vacancy for a Hydrologist/Soils Specialist at the Durban Office.

Role Summary:

To demonstrate good technical hydrological skills, project management skills and be able to manage small to medium sized project teams, budgets and clients. To proficiently run all aspects of a project within budget, deadlines and exhibit good communication skills.

Key Responsibilities:

- Proficient in obtaining hydrological and meteorological data and accurate analysis thereof
- Knowledge of statistical methods and techniques in hydrology
- Hydrological and hydraulic modelling abilities (Pitman, WRSM 2000, and HEC-RAS, PCSWMM or similar)
- Conduct field measurements including water flow and water quality measurements
- Measure and graph phenomena such as stream flows, and changes in water volumes
- Design and conduct scientific hydrological investigations to ensure that accurate and appropriate information is available for use in water resource management decisions.
- Hydrological catchment delineation
- Hydrological calculations, including rainfall-runoff and peak flows
- Undertake flood line calculations
- Water & Salt balances
- Storm Water Management Planning
- Risk and mitigation assessments and management plans
- Conceptual design and sizing of storm water infrastructure
- Auditing water infrastructure in terms of DWS guidelines
- Be aware of current trends and issues in hydrology, such as relevant political changes, wetland controversies, integrated and transboundary water management and climate change impacts
- Be able to interact with water structure design engineers

Reporting

- Report writing including Feasibility Study and Environmental Impact Assessment (EIA) reporting.
- Client presentations and meetings and internal communication.
- Compilation of proposal documents and costing.

Marketing

- Generate work by identifying and writing effective proposals
- Compile and submit tenders
- Business development of new work within existing clients
- Business development of work from new clients
- Present papers at industry conferences to show-case GCS expertise
- Attend relevant forums and conferences for self-development and networking purposes

Financials

- Achieve revenue target
- Contribute to unit's revenue target
- Submit timesheets in line with GCS financial requirements
- Invoicing implemented in line with GCS procedures and financial requirements
- Manage debtors

Mentoring

- Mentor junior staff

Qualifications

- BSc or Engineering degree (+ MSc in Hydrology or similar optional)
- Membership of professional industry bodies (Pr.Sci.Nat) or similar

Knowledge/ Skills

- Good knowledge of the hydrological science
- Knowledge of environmental legislation and the National Water Act
- Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.
- Consider the relative costs and benefits of potential actions to choose the most appropriate one
- Good knowledge of the mining environment
- Good communication skills
- Soils knowledge an added advantage
- Agricultural knowledge an added advantage

Experience

4 to 8 years' experience within a hydrological environment

Remuneration:

Total Cost to Company Package will be negotiated according to the candidate's knowledge and experience.

Candidates that meet the above requirements should send their CVs to careers@gcs-sa.biz. Should you not receive any communication by the 31st July 2019, please consider your application unsuccessful.