

Junior Geophysicist / Lab & Field Technician

Role Overview:

Research Projects staff collaborates in scientific and technological activities with other research staff usually by assisting with detailed planning, undertaking or assisting with experimental, observational or technology development work, and in carrying out the more practical aspects of the work.

The Junior Geophysicist / Lab & Field Technician will be responsible for geological sampling, sample preparation, and petrophysical analysis of rock samples as part of an integrated regional-scale geochemical, mineralogical and geophysical project. The Technician will also be responsible for maintenance of field and lab equipment.

Duties and Key Result Areas:

- Planning and execution of mine site and field sampling programs for petrophysics and also field geophysical surveying undertaken by the potential fields group.
- Specimen preparation and measurement of samples for petrophysics projects, mainly related to IOCG and Magmatic Ni-PGE systems.
- Assist in the development of integrated petrophysical approaches (i.e., where we measure multiple properties including magnetic susceptibility, remanence, density, structural fabrics, radiometrics and electrical conductivity).
- Acquisition and maintenance of sample field sampling equipment, sample preparation tools, laboratory instruments, and field surveying instruments.
- Compile results and assist on reporting on results of experiments.
- Respond courteously and efficiently to client requests, maintaining clear communication regarding mutual expectations and monitoring client satisfaction.
- Undertake and complete tasks under technical direction, working with discretion to decide on the timing of operations within the work team's plan and planning ahead to meet experiment and/or project demands.
- Under technical direction undertake experiments, laboratory analyses or technology development activities (some non-routine) using a range of techniques, often working on a number of parallel and competing tasks.
- Oversee the activities of less experienced staff and provide guidance on experimental/ technological techniques and protocols.
- Design new processes or apparatus by adapting existing techniques and components to meet special circumstances or undertake modifications to methods requiring some innovation.

Role description

The role description gives an overview or what the job involves and how it fits within an organisation. It will often highlight the skills or experience needed to do the job.

You should refer back to the role description when considering responses to the selection criteria to ensure that you are using appropriate keywords.

General duties and goals of the position

The details in duties description provide the context you need to customise your cover letter, resume, and selection criteria responses.

Make a note of any keywords that could be used in your selection criteria responses, particularly keywords associated with specific techniques or equipment.

You should get a sense of how well you fit the role with your existing education and work experience and judge whether you're a suitable candidate for the role.

- Communicate openly, effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of the organisation’s reputation.
- Work collaboratively as part of a multi-disciplinary, often regionally dispersed research team, and business unit to carry out tasks in support of the organisation’s scientific objectives.
- Adhere to the spirit and practice of the organisation’s Code of Conduct, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm goals.
- Other duties as directed.

Competencies:

1. **Teamwork and Collaboration:** Proactively seeks and considers the ideas and opinions of others from within and outside the team to help form decisions, plans or actions.
2. **Influence and Communication:** Puts forward ideas by presenting factual information supported by data, definitions, examples, illustrations or other aids, which will assist in conveying meaning.
3. **Resource Management/Leadership:** Provides instruction and assists other staff to complete allocated tasks and activities.
4. **Judgement and Problem Solving:** Identifies and considers the implications of a range of available alternatives in order to select the most appropriate response to problems of a familiar or recurring nature.
5. **Independence:** Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).
6. **Adaptability:** Willingness to change ideas or perceptions based on new information, contrary evidence or other people’s points of view. Prepared to try out different approaches.

Selection Criteria:

Under our HR policy only those who meet all essential selection criteria can be appointed.

Essential Criteria

- Relevant bachelor’s degree or relevant work experience in potential field’s geophysics.
- Experience in the use of geophysical surveying and/or laboratory instruments.
- The ability to work effectively as part of a multi-disciplinary, regionally dispersed research team, and carry out tasks under general direction from Scientific Researchers.
- The ability and willingness to work in harsh and adverse conditions whilst maintaining health and safety requirements.

Extra information

Sometimes position descriptions will contain other information that further defines what the role involves and how the person performing the job is expected to behave.

This type of information is common in government departments or other large organisations with formal recruitment processes.

You’re generally not expected to respond to this information but you should keep it in mind when writing your application or during an interview.

Selection criteria

The selection criteria are used to assess your suitability for a role. Examples of how you meet these criteria may be required as part of your written application or during an interview. Some organisations require candidates to meet all selection criteria whereas others are more flexible in their assessment of candidates.

Criteria that mention ‘Proven’, ‘Demonstrated’ or ‘Applied’ will require an example where you have performed those tasks.

Sometimes the selection criteria will be divided into “essential” and “desirable” criteria. If you’re unable to address the essential criteria, you are unlikely to progress to the next stage.

Desirable Criteria:

- Experience in field sampling and/or mapping in remote/ dangerous areas,
- Experience in sample preparation of geological specimen,
- Experience in measurement and analysis of petrophysical data,
- Experience or understanding of electronics would be advantageous,
- First aid training and/or 4WD drive training.

Special Requirements:

Appointee must be of good overall health, physically fit and able to work in remote and sometime harsh environments.

The position requires a full driver's licence and ability to drive manual 4WD in remote areas and mine sites.

How to apply

To apply online, please provide a CV and cover letter outlining that demonstrates your ability to meet the requirements of this role against the essential and desirable criteria.

Selection criteria cont...

Desirable selection criteria don't require a response but if you have relevant skills and experience that address these criteria, you should include a response.

Desirable criteria highlight the importance of getting work experience as they're often related to experiences obtained outside of university. These desirable skills and experience can often set you apart from other candidates.

Instructions

Ensure you follow the instructions outlined on each job advert. Don't assume that each job advert will have the same requirements.

These instructions have not provided a page limit however they have specified that you should only include a CV and cover letter. This means that you will need to include your selection criteria responses as part of your cover letter.

In this instance, you should try to limit your cover letter to two pages.