



Dias Geophysical  
2131 Airport Drive  
Saskatoon, Saskatchewan S7L 7E1  
Canada  
Phone: 306-700-6442  
Website: diasgeo.com

## MAGNETOTELLURIC (MT) SPECIALIST JOB DESCRIPTION

### Who we are:

At Dias, our purpose is to create new technologies to image the earth and locate the resources that the world needs. We are passionate about technology, but nothing is more important than keeping our people safe and healthy.

Dias is a world leader in deploying solutions to help explore, map, and protect the subsurface. We operate globally from our home in Saskatoon with offices in Vancouver, Toronto, Mexico, and Chile.

### Primary Responsibilities:

- Daily QA/QC/Processing of ground and possibly Airborne MT data.
- Logistical Report writing.
- Supervision of scientific equipment for geophysical field work
- Participate in field projects regularly.
- Provide training and supervision to field crews in office and in the field.
- Magnetotelluric data processing, modelling, and inversion (2D/3D)
- Analysis of timeseries data.
- MT and AFMAG system characterization.
- Survey design, planning and execution.
- Contribute to reporting on all projects and building client relationships.
- Able and willing to travel locally and internationally.

### Prerequisites

- BSc. in Geophysics.
- Strong background in physics and electromagnetics.
- Knowledge of Maxwell's equations, MT impedance tensors and Fourier transforms.
- Familiarity with frequency filters and wavelet analysis.
- Experience in Airborne natural field Electromagnetics would be considered an asset.
- Sound computer skills in Windows.
- Any qualification in the following areas would be considered an asset:
  - Machine learning
  - GIS
  - Scientific development: Python programming, numerical optimization, statistical analysis.
- Eligible to work in Canada.

### Skills

- Ability to multitask and efficiently manage multiple projects at a time.
- Effective written and verbal communication skills.
- Proficient computer and technology related skills.
- Ability to work under pressure.
- Ability to lead, manage and train employees.



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- Work well in a team.

**What we offer**

- This is a Full-time permanent position.
- Benefits Package – including comprehensive Health and Dental coverage.
- Life insurance and Disability insurance.