Remote sensing (Science)

Queensland Government IT Graduate Program

## The Remote Sensing Graduate assists to support the remote sensing centre team to research, analyse, interpret and integrate satellite and airborne data, digital spatial data and quantitative field information. You will also assist with research and learn to develop the methods to map and monitor landscape attributes such as land use, selected land management practices, vegetation and groundcover.

## This means you will have the opportunity to:

* Assist in the use of open source and proprietary software and data management systems in a multi-user, high performance computing environment to undertake image classifications and on-screen digitising to map and monitor landscape attributes, such as land use, selected land management practices, vegetation and groundcover.
* Support fieldwork and field data collection for the calibration and validation of remotely sensed imagery and derived mapping products.
* Assist and support research to develop new or improved methods for mapping and monitoring landscape attributes, such as land use, selected land management practices, vegetation and groundcover.
* Contribute to online procedures and scientific papers for presentation at conferences and publication in journals.

## The ideal candidate will have:

* Sound communication skills, and the ability to work with colleagues and stakeholders.
* Good research skills with the ability to capture research in succinct reports
* Good interpersonal and written communication skills including the ability to liaise with clients

## Examples of technical skills and qualifications

**Knowledge of:**

* Knowledge of, or the ability to gain an understanding of large-area landscape mapping and monitoring programs
* Knowledge of, or the ability to acquire scientific research and development skills to assist with operational landscape mapping and monitoring products in a high-performance computing environment.
* Knowledge of, or the ability to gain an understanding of the government’s current priorities, and the organisation’s vision and business objectives, as related to landscape monitoring programs.

**Qualifications:**

* Your degree may be in applied science or natural resource management or information technology