

JOB DESCRIPTION

COMPANY: University of Houston
TITLE: Electronics/Airborne Acquisition Technician
DEPARTMENT: Civil and Environmental Engineering

General Summary

The Electronics/Airborne technician is responsible for the operation and maintenance of remote sensing hardware owned and operated by the NSF supported National Center for Airborne Laser Mapping (NCALM). Details on NCALM and the equipment it owns can be found at www.ncalm.org.

Principal Duties and Responsibilities (Accountability Measures)

- Maintenance and installation of all remote sensing systems owned and operated by NCALM
- Primary operator of remote sensing equipment in aircraft at field sites.
- Maintenance and installation of computers and networking equipment for NCALM field operations,
- Maintain electronic lab equipment and train graduate students on proper use and maintenance of this equipment,
- Responsible for equipment specifications and selection.
- Refine existing field procedures and implementations on a project-by-project basis.
- Responsible for documentation related to hardware systems.

Job Specifications

- Ability to debug hardware and software problems is an asset.
- Familiar with Installation, repair and diagnostics of Windows, Linux and Mac computers and peripherals.
- Able to work comfortably in small aircraft for extended periods of time
- Able to travel extensively throughout North and South America for extended periods (2-3 weeks max), occasionally on short notice
- Comfortable working in a collaborative team environment to trouble-shoot system deviations, problem solve and implement creative solutions in a responsive, cooperative manner.
- Possess strong oral and written communication skills with the ability to clearly convey and discuss technical issues with the project team.
- Electronics or Electrical Engineering degree a plus

Working Conditions

- Field operations environment (50%).
- Standard office environment (50%).

Disclaimer

The above statements are intended to describe the general nature and level of work being performed by people assigned to this classification. They are not intended to be construed as an exhaustive list of all responsibilities, duties and skills requires of personnel so classified.