Scientific Instrument Technician

Job Code 00007198

General Description
Responsible for providing technical support for scientific instrumentation in the school of science and related academic departments.

Example of Duties
Provide repair and maintenance of scientific instrumentation.
Arrange for purchase of parts and supplies.
Fabricate custom repair parts and assemblies.
Modify scientific instrumentation for custom applications.
Install, assemble, calibrate, and test new instrumentation.
Maintain hardware/software documentation.
Provide assistance and training as needed.
Perform other duties as assigned.

Knowledge, Skills, and Abilities
Knowledge of:
- advanced scientific instrumentation concepts;
- electronic concepts;
- computer hardware/software operation concepts.

Skill in:
- interacting courteously with others; in negotiating; in establishing rapport with a variety of clients.

Ability to:
- read, interpret, and apply complex technical material; to use complex measuring devices; to prepare clear, concise and grammatically correct letters, proposals, and evaluations; to calculate voltage and resistance; to understand descriptive statistics; to prioritize workload; to troubleshoot and diagnose system problems.

Education and Experience
To qualify for this classification, an individual must possess any combination of experience and education that would likely produce the required knowledge, skills, and abilities.

Other Requirements