

APL-FIELD ENGINEER

Req #: 42499

Department: APPLIED PHYSICS LABORATORY

Job Location: Seattle Campus

Job Location Detail: Applied Physics Laboratory

Posting Date: 03/20/2008

Closing Info: Open Until Filled

Salary: Salary and benefits are competitive. Salary is commensurate with qualifications and experience.

The University of Washington (UW) is proud to be one of the nation's premier educational and research institutions. Our people are the most important asset in our pursuit of achieving excellence in education, research, and community service. Our staff not only enjoy outstanding benefits and professional growth opportunities, but also an environment noted for diversity, community involvement, intellectual excitement, artistic pursuits, and natural beauty.

The Applied Physics Laboratory is a premier center for research, development and advanced education in science and engineering. APL was formed in 1943 at the request of the U.S. Navy to bring university resources to bear on urgent WWII defense problems. From a wartime beginning focused on effective torpedo exploders, APL-UW initiated acoustic studies and oceanographic research programs to understand how variations in the ocean environment affected the performance of Navy systems.

Decades of acoustic and oceanographic studies yielded an understanding of the world's deep oceans, and now APL-UW scientists are developing expertise in coastal and small-scale oceanography and the new physics required for tactical superiority in shallow water environments. Our scientists and engineers make important contributions to understanding the earth's climate cycles with satellite and in situ sensing of ocean winds, currents, and air-sea fluxes; observations of Arctic sea ice, its variations and effects on mid-latitude oceans; and ocean tomography that reveals how the abyssal

ocean mixes and sequesters carbon. APL-UW continues to lead research in the basic and applied physics of sound—from sonars used to probe the geology of the deep ocean floor to hand-held high-frequency focused ultrasound devices to image and stop internal bleeding without surgery.

The Applied Physics Laboratory's Ocean Engineering Department announces a **Senior Field Engineer** position vacancy. For half a century APL-UW ocean engineers have demonstrated expertise in science and technology that has gained them a national reputation. The Ocean Engineering Department serves as a resource to scientists at APL-UW, the University of Washington, other research organizations, and the U.S. Navy. The Ocean Engineering Department provides the engineering expertise and know-how to support ambitious basic and applied research programs in extreme environments around the globe, from the Arctic to the depths of the oceans.

Duties:

The Field Engineer will:

1. Serve as primary APL Field Engineer supporting the US Navy's Arctic Submarine Laboratory's sea-ice experiments.
2. Be responsible for constructing, testing, repairing and refurbishing Arctic sea-ice operations equipment; maintaining an electronic media inventory of all equipment and supplies; ordering new hardware and materials; and coordinating field work with the APL Sr. Engineer and support staff from military and civilian organizations.
3. Conduct shipboard, at-sea, and arctic sea-ice installation, test, and repair of highly complex equipment.
4. Assume responsibility for safe and effective field operation complex equipment, including on-the-spot repair and maintenance when necessary.
5. Participate in other APL-UW projects during non-Arctic camp time

The Field Engineer may:

6. Participate in Arctic sea-ice camp planning and design meetings.
7. Serve as a liaison and consult with staff members from sponsoring federal agencies, military units, and civilian contractors on technical matters.

Requirements:

- Associate's degree in Engineering Sciences or related field; AND 6 or more years of related work experience.
- Arctic sea-ice operations

- Setup, operation, and repair of power electrical systems (<10kW generators), small engine mechanics (e.g. snowmobile)
- Sound decision making and judgment.
- Team building.
- Excellent written, verbal and interpersonal communications skills to include ability to deal effectively with people in extreme environments and conditions.
- Self-motivated and work well in a team atmosphere.
- Must be able to work independently, and as part of a research team, interacting cooperatively with people from diverse organizations, backgrounds, and academic levels.

Equivalent education/experience will substitute for all minimum qualifications except when there are legal requirements, such as a license/certification/registration.

Desired:

- Bachelor's degree or higher in related field.
- Marine operations.
- Under-ice diving.
- Machinist.
- Electrician.
- Mechanical Design Engineering.

Condition of Employment:

- Applicants must be U.S. citizens willing to obtain security clearance, and work in a classified setting.

A satisfactory outcome from a criminal background verification may be required prior to hire.

As a UW employee, you will enjoy generous benefits and work/life programs. For a complete description of our benefits for this position, please visit our website, [benefits website](#).

To apply, go to: <http://www.washington.edu/admin/hr/jobs> and enter Requisition number (Req #): **42499**.

The University of Washington is an equal opportunity, affirmative action employer. To request disability accommodation in the application process, contact the Disability Services Office at 206.543.6450 / 206.543.6452 (tty) or dso@u.washington.edu.