

Electrical Engineer / Senior Electronic Technologist (Term Position) Instrumentation & Real-Time Systems

ASL Environmental Sciences Inc. is an employee-owned company with over 45 years of experience designing, building, and deploying oceanographic and environmental instrumentation for government, industry, and academic clients worldwide.

We are seeking an experienced **Electrical Engineer or Senior Electronic Technologist** to join our Product Development and Consulting team for real-time oceanographic monitoring. This role focuses on the design, integration, testing, and support of **real-time instruments**, including systems incorporating **serial communications, embedded electronics, and autonomous data loggers**. You will work closely with mechanical engineers, scientists, production staff, and project managers in a collaborative, hands-on environment.

What We Offer

- A salary range of **\$45 to \$58/hr**, commensurate with experience
- Meaningful work on long-lived, real-world instrumentation systems
- A collaborative, employee-owned workplace culture
- The option to extend the contract should this opportunity be extended

Key Responsibilities

- Design, implement, and test electronic systems for real-time and autonomous instruments
- Develop and support systems using serial communications (e.g., RS-232/485, UART, SPI, I²C) and data logging architectures
- Perform system-level integration of electronics, firmware, sensors, and mechanical enclosures
- Support testing, troubleshooting, and performance analysis of in-house and third-party instrumentation
- Contribute to design reviews, quality assurance, and component selection, including management of obsolescence
- Prepare cost estimates and technical input for new product concepts and proposals
- Provide technical support to production staff and assist with documentation and knowledge transfer
- Participate in occasional field work, testing, or deployments as required

Qualifications & Experience

- **Electrical Engineer or Senior Electronic Technologist**
- **10–20 years of relevant experience** in electronic instrumentation or embedded systems
- Strong background in:
 - Analog and digital electronics design and testing
 - Embedded or real-time systems
 - Serial communications and data logging systems
- Experience working with environmental or industrial instrumentation is a strong asset
- Familiarity with mechanical packaging of electronics (environmental enclosures, pressure housings) is an asset
- Ability to work independently while collaborating effectively with multidisciplinary teams
- Clear technical communication skills, both written and verbal

Additional Details

- **Location:** Saanichton, BC
- **Start Date:** As soon as available
- **Hours per Week:** 37.5
- **Term Duration:** 4 months with the option to extend
- **Work Environment:** Office, lab, and occasional field settings
- **Physical Requirements:** Some lifting; occasional exposure to industrial and field hazards
- **The successful candidate will be required to obtain Canadian Reliability Security Clearance at the Reliability level.**

To Apply

Please submit the following by **March 20, 2026**:

- Cover letter outlining your experience and salary expectations
- Resume
- Contact information for three professional references

Send applications to:

Human Resources Manager

ASL Environmental Sciences Inc.
#1 - 6703 Rajpur Place
Saanichton, BC V8M 1Z5

Or email: hr@aslenv.com

No phone calls or drop-ins, please.

Visit www.aslenv.com to learn more about us.