

## Job Posting: 189995 - Position: Electrical Engineer in Training

**Co-op Work Term Posted:** 2020 - Fall  
**App Deadline** 08/20/2020 10:00 AM  
**Application Method:** Employer Email  
**Posting Goes Live:** 07/30/2020 10:37 AM  
**Job Posting Status:** Approved

### ORGANIZATION INFORMATION

**Organization** Actuonix Motion Devices  
**Division** Actuonix Motion Devices

### JOB POSTING INFORMATION

#### Special Job Requirements

**Work Duration: 4, 8 or 12 months** (An 8 month employment period is registered as 2 separate, consecutive work terms, and a 12 month employment period is registered as 3 separate, consecutive work terms)

Please state **CLEARLY** in your cover letter whether you are available for 4, 8 or 12 months.

**For Engineering Undergraduate Students:** Before applying to this posting, it is your responsibility to have completed the appropriate pre-requisite courses for this length of work term, and to understand how this length of work term affects your academics. If this means you will be registered in a 5th or higher work term, the full co-op tuition fee (equal to two installments) will be charged for each additional work term above the mandatory four. See links below for more details.

- Engineering Tuition - installments (two installments per work term). <https://web.uvic.ca/calendar2019-09/undergrad/info/tuition/engineering-tuition.html>
- Undergraduate Tuition - the complete co-op fee (**for those doing a 5th or higher work term**). <https://web.uvic.ca/calendar2019-09/undergrad/info/tuition/undergrad-tuition.html>

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**Students are urged to apply a.s.a.p. to this opportunity. The company does not wait until the Learning In Motion closing date to begin reviewing applications; rather, they review apps as they appear. The earlier you apply, the better!**

**Co-op Work Term** 2020 - Fall  
**Position Type (Disclaimer: not all types available in all programs)** Regular Co-op, Full Time  
**Co-op Work term Duration** 4, 8, or 12 Months  
**Job Title** Electrical Engineer in Training  
**Job Location** Saanichton / Remote  
**Region** BC-Victoria (Capital Region)  
**Salary/Wage** 3600  
**Hours per Week** 39  
**Start Date** September 08, 2020 12:00 AM  
**End Date** December 24, 2020 12:00 AM  
**Number of Positions** 1  
**Work Abroad** No  
**Job Description**

We design, produce and sell Miniature Linear Actuators, which are used in robotics, industrial automation, home automation and radio controlled models. Our facility is located near Keating Crossroad in Victoria. There are 7 full time employees and 4 part-time. You will report to the Electrical Engineer.

#### **Job description:**

You will be required to support the design and manufacturing operations of the company.

- Specifically, to design and test a production test-rig that will be used to verify the correct operation of actuators that are built by the production staff.
- Secondly to inspect and diagnose failed actuators, from the production department and returned items from customers.
- Third to write and revise code that is programmed into the PIC's that are embedded in our linear actuator products.
- Fourth to conduct testing of actuator performance.
- Fifth to support customer requests for custom designs by designing custom PCB's.
- Six to oversee the manufacture and quality control of flexible printed circuit boards for use in our production products.

Hours: Are flexible, but 8 hours per day is expected. Salary Range: \$3000 - \$3600 /mo depending on experience.

#### **Qualifications**

##### **Skills Required:**

- Experience building, testing and debugging analog circuits is essential
- Experience programming in C is essential
- Experience with PIC chips, robotics and or motor control circuits is desired
- Experience with PMDC and Stepper motors is desired
- Experience programming with arduino or pi is desired
- Experience with PCB layout and manufacturing is desired, using Altium is an asset.
- Mechanical experience with hand tools, milling machine, lathe and 3D printer would be an asset.
- Experience with diagnosis and repair of failures would be an asset.

#### **Learning Opportunities:**

The experience gained here at Actuonix will be very hands on. The many challenges will come from the unexpected difficulties that inevitably arise in the real world, that somehow don't seem to exist in the classroom. You will need to be resourceful, and willing to ask questions. The applicant will need to be on site for a few days a week, and be able to work remotely for the remaining days.

Until Covid is no longer an issue. This position could be filled by a recent grad, or undergrad who has finished all their academic terms.

**For relevant employers as defined by the BC Criminal Review Act: Will this position require a co-op student to complete a Criminal Records check?**

No

**Type of Student (multi-select)**

Graduate

Undergraduate

**Minimum Academic Year Completed**

4+

**Minimum Work terms Completed**

2

**Are there any restrictions that would hinder hiring of non-Canadian students with a valid work permit?**

No

## **APPLICATION INFORMATION**

**Application Procedure**

Employer Email

**If by Email, send to**

jobs@actuonix.com

### **Additional Application Information**

This co-op job could result in a full time permanent position if we find the right person.

Please include resume, cover letter, and a description of any projects you have completed, either in school, work or as a hobby, that relate to the areas of experience requested above.

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\* You are also required to click "**EXPRESS INTENTION TO APPLY**" for this posting if you are submitting an application to their online portal

**All Degrees and Disciplines**

No