

## 2024/2025 WORK STUDY PROGRAM

### JOB POSTING

**JOB TITLE:** CIVE 2 - Experimental Investigation into Wicking Geosynthetics in Stabilizing Road Bases

**DEPARTMENT NAME:** Civil Engineering

**CONTACT NAME:** Cheng Lin

#### JOB DESCRIPTION:

Water accumulation in road bases and subgrade is a major cause for weakening roads in Canada and worldwide. This research project introduces the use of a novel geosynthetic material called wicking geosynthetic to minimize water accumulation while reinforcing the road bases. A series of lab-scale experimental tests will be conducted to quantify the efficacy of this new material in “drying” the road sections (bases and subgrade) and enhancing the mechanical properties of road bases to resist traffic loading. The results of this research will help promote the application of this novel geosynthetic product in roadways and contribute to improvement of the design and construction practices of durable roadways in Canada.

#### QUALIFICATIONS:

Senior undergraduate students or graduate students in geotechnical engineering/road engineering

**JOB LOCATION ON-CAMPUS:** E-Hut 102

**WORK STUDY WAGE:** \$18.50/hour (including 4% vacation pay)

**DEPARTMENT TOP UP:** \$5.00/hour (plus 4% vacation pay)

**HOURS AVAILABLE:** 200 hours

**HOW TO APPLY:** Send Cover Letter, Resume, and copy of Work Study eligibility email from SAFA to:

Dr. Cheng Lin  
University of Victoria  
Department of Civil Engineering  
PO Box 1700 STN CSC  
Victoria, BC V8W 2Y2  
Or  
Via Email to [chenglin918@uvic.ca](mailto:chenglin918@uvic.ca)

APPLICANTS MUST BE ELIGIBLE TO PARTICIPATE IN THE WORK STUDY PROGRAM  
For details go to: <http://www.uvic.ca/registrar/safa/work-study/index.php>