

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

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>