

2024/2025 WORK STUDY PROGRAM

JOB POSTING

JOB TITLE: MENG 3 - Scientific Lab Assistant

DEPARTMENT NAME: Mechanical Engineering

CONTACT NAME: Sravya Tekumalla

JOB DESCRIPTION:

The Scientific Lab Assistant will assist newly hired Assistant Prof. Dr. Sravya Tekumalla primarily (and other new hires Dr. Yu, Dr. Lee and Dr. Gharehkhani), and the Scientific Assistant (SA) to refurbish useful equipment which are currently in storage and revive them to be useful for both research and teaching activities in the Mechanical Engineering Department at University of Victoria.

The student will help specifically with material testing and characterization equipment such as Furnaces, Optical Microscopes and other ancillary equipment. These equipment, once fully operational, can significantly aid in the courses and labs offered by the department such as MECH 285, MECH 422 and MECH 424 as well as help with enhancing the research capabilities at UVic. The student should have a good understanding of general heat treatment furnaces, modification of controllers, operation of microscopes, and be able to troubleshoot them. Other duties may also include documenting installation, and configuration of software applications for optical microscopy, documenting the recipes for heat treatment and sintering for a variety of materials, preparing safe work procedures etc.

QUALIFICATIONS:

- Preferably a senior student enrolled in the Mechanical Engineering or BME program.
- Having taken MECH 285/BME320 is a strong asset.
- Demonstrated experience helping end users to use various materials testing and characterization equipment – furnace, optical microscopes, etc.
- Dealt with chemicals (for examples, acids) with necessary safety precautions.
- Excellent interpersonal and communication skills, both written and oral.
- Ability to manage competing priorities and do multitasking.
- Some knowledge of computer system operation environments, and applications including Windows 10, Office 2016 Suite,
- Experience with ImageJ and other image analysis software for optical microscopes is a plus.

JOB LOCATION ON-CAMPUS: Mechanical Engineering Department

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

HOURS AVAILABLE: 100

HOW TO APPLY: Cover Letter, Short CV, and Transcripts via email to Dr. Sravya Tekumalla (stekumalla@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>