

2022/2023 WORK STUDY PROGRAM

JOB POSTING

JOB TITLE: AMRT1 - Development of a Vibrating Sample Magnetometer

DEPARTMENT NAME: CAMTEC (AMRT)

CONTACT NAME: Tobias Junginger

JOB DESCRIPTION:

We are looking for a student to help with the construction and commissioning of a vibrating sample magnetometer operated in cryo vacuum conditions. The student will work under the guidance of experienced physicists and technologists and perform a range of tasks based on project status, interest and qualifications. Tasks include performing simple heat transfer calculations, electromagnetic design with simulation tools, creating technical drawings using CAD software, as well as assembly and testing of hardware. This is an ideal opportunity for a student looking for a hands-on experience in experimental physics. Hours are flexible.

QUALIFICATIONS:

A good technical understanding and the willingness to learn new skills are required. The ideal candidate has experience in one or more of these areas

- Basic electromagnetism
- Electrical and/or mechanical engineering expertise
- Creating technical drawings using CAD software
- Software engineering using LabView
- Knowledge of heat transport

JOB LOCATION ON-CAMPUS: Elliot Building

WORK STUDY WAGE: \$16.50/hour (including 4% vacation pay)

DEPARTMENT TOP UP: \$8.50/hour

HOURS AVAILABLE: 150

HOW TO APPLY: Cover Letter and Resume to Tobias Junginger by email (Junginger@uvic.ca)