

2020/2021 WORK STUDY PROGRAM

JOB POSTING

JOB TITLE: EENG1 - Research Assistant

DEPARTMENT NAME: Electrical Computer Engineering

CONTACT NAME: Peter Driessen

JOB DESCRIPTION:

Projects related to Software Defined Radio, including to create, modify and test laboratory exercises for the telecommunications teaching lab for courses ECE 350 Communications Theory and Systems I, ECE 417 Software Defined Radio and ECE 450 Communications Theory and Systems II. Related work includes implementation of software radio algorithms for research.

Software defined radio allows the radio functions to be programmed in software. Example functions are receiving AM and FM broadcast signals, shortwave data signals as well as digital cellphone and wireless internet signals.

The job will be to first test existing software written at UVic and other universities, and then write software, test and debug and revise the software, document the results. Software environments include GNU Radio, Matlab Simulink.

QUALIFICATIONS:

3rd year or 4th year undergraduate or graduate student in Electrical or Computer Engineering

JOB LOCATION ON-CAMPUS: Engineering Lab Wing ELW 309 or work remotely \$16.50/

WORK STUDY WAGE: hour (including 4% vacation pay)

DEPARTMENT TOP UP: \$5.00/hour

HOURS AVAILABLE: 80 hours

HOW TO APPLY: via email to Dr. Peter Driessen peter@ece.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>