**Project Title**
Optimizing production parameters and nutritional composition of select food crops produced under controlled environment, high density, continuous production.

**Job Title/Position**
Summer Research Intern (2019); Graduate Candidate (MSc) F’19

**Duration**
14-16 weeks (May 1st)

**Remuneration**
$16-$18/hr., dependent upon qualifications

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**Project Description**
Funded through the Natural Sciences and Engineering Research Council (NSERC) and our industrial partners Intravision Lighting Systems and TCA Technologies Inc., this summer internship will assist efficacy trails of water treatment technologies (e.g., ozone (O₃), in-situ regenerative chlorination, peroxide (H₂O₂) and advanced oxidation using gravity flow process water.

**Job Description/Responsibilities**
The successful candidate will gain experience in a broad range of areas through participation in equipment validation, water sampling and analysis (nutrients and microbiology), initial waste inventory, crop harvest, analysis, and data entry assistance, etc. The 2019 intern, upon satisfactory performance will be offered an option to transition into an MSc position beginning September 2019.

**Preferred Qualifications/courses**
- Introductory Plant Science/Biology (understanding of plant-water relations)
- Chemistry a/o Microbiology
- Electronic knowledge and mechanical aptitude
- Proficiency in collecting, organizing and reporting data in both written and electronic forms
- Attention to detail
- Demonstrated ability in using spreadsheets to manage large datasets.

Complimentary undergraduate programs include: BSc Agriculture (Crop, Hort, Turfgrass), Environmental Engineering, Water Resources Engineering, Environmental Sciences, and Environmental Resources Management.

**Required Qualifications**
- Valid drivers license (G)
- WHMIS, Laboratory Safety, Workers Health and Safety on-line courses (will be provided)

**To Apply**
Please send resume, recent unofficial transcript and cover letter to:

Theresa Rondeau Vuk, Program Manager, CESRF
Subject line: Summer Intern 2019 – NSERC-Intravision CRD
Email: trondeau@uoguelph.ca