

**NOTICE OF POSTING**  
For Sessional Faculty

The Department of Computing and Software invites applications for the following teaching position to be offered in the 2018-19 Fall session. The successful candidate will have total responsibility for all aspects of the course.

Date of Posting June 15 – 29, 2018 Department Contact: Laurie LeBlanc (leblanl@mcmaster.ca)

Course Name(s)/Number(s) **MECHTRON 3TA4: Embedded Systems Design I**

Term: Fall 2018 Number of Section(s) Available 1 Number of Units per Section 4

Location (on/off campus) Central campus Projected Enrollment 114 Projected TA Support 399 hours

Wage Rate\* \$10680.00 Start Time and Duration M,W 11:30 – 12:20; F 1:30 – 2:20 (Lectures)

**Course Description/Relevant Employment Duties**

Interfacing to digital and analog systems, sensors and actuators. Signals and conditioning: data acquisition, active and passive filtering, optical and analog isolation, PWM, de/multiplexing. Architecture of micro-controllers and DSP. Embedded system design and documentation. Three lectures, one tutorial (two hours) every other week, one lab (three hours) every other week; first term

**Required Qualifications**

Graduate Degree in Computer Science, Software Engineering, or related discipline. Applicants must have excellent knowledge of and background in the course topics as described above. Applicant must be a licensed Professional Engineer (P.Eng.)

*McMaster University is located on the traditional territories of the Haudenosaunee and Mississauga Nations and, within the land protected by the “Dish With One Spoon” wampum agreement. In keeping with its Statement on Building an Inclusive Community with a Shared Purpose, McMaster University strives to embody the values of respect, collaboration and diversity, and has a strong commitment to employment equity. The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. The University seeks qualified candidates who share our commitment to equity, diversity and inclusion. While all qualified candidates are invited to apply, we particularly welcome applications from women, persons with disabilities, First Nations, Metis and Inuit peoples, members of visible minorities, and LGBTQ+ persons.*

*\*Supplemented Fees- 15.02(a) The employee may be eligible to receive supplemented fees in accordance with Schedule C of the Collective Agreement. The actual rate of pay when in excess of the base rate of pay is deemed to include any supplemented fees owing, to the extent of the excess amount. If the actual rate of pay is less than the sum of the base rate of pay and the supplemented fees owing, then the employee shall receive the difference.*

**Application Procedure**

Please submit the following by June 29, 2018. Please apply online (Job # 20579)

1. A cover letter stating your intent to apply for the position (including your address, phone number, and email address) and emphasizing your experience with the material to be taught.
2. A resume listing your academic qualifications and relevant employment experience.
3. Information necessary to determine your current and aggregate seniority (as defined by Article 20 of the Unit 2 Collective Agreement). [www.cupe3906.org/unit-2-seniority-information/](http://www.cupe3906.org/unit-2-seniority-information/)
4. Names and contact information of two references. Applicants will not be required to submit reference letters as part of their application.

Job applicants requiring accommodation to participate in the hiring process should contact the Human Resources Services Centre at 905-525-9140 ext. 222-HR (22247) or Nina Bovair at ext. 23850 to communicate accommodation needs.