The Faculty of Applied Science and Engineering is hiring four Laboratory Teaching Assistants within the First Year Program to support the Numeric Computation Component of MAT188H1S: Linear Algebra for the term beginning January 2018. These positions will be responsible for supporting the delivery of the MATLAB-based computer laboratory component for Linear Algebra.

**MAT188H1S – Linear Algebra Course Description** This course covers systems of linear equations and Gaussian elimination, applications; vectors in Rn, independent sets and spanning sets; linear transformations, matrices, inverses; subspaces in Rn, basis and dimension; determinants; eigenvalues and diagonalization; systems of differential equations; dot products and orthogonal sets in Rn; projections and the Gram-Schmidt process; diagonalizing symmetric matrices; least squares approximation. Includes an introduction to numeric computation in a weekly laboratory. Estimated Enrollment: 70

**Duties:** These teaching assistants will work directly with the course coordinator, Dietrich Burbulla and the laboratory coordinator Chirag Variawa in order to: (a) Support students to complete their bi-weekly one-hour numeric computation laboratory exercises, (b) Help students develop a basic ability to use MATLAB to solve mathematical, scientific, and engineering problems, (c) See how numeric computation can be used in their other first-year courses and (d) Assess students’ degree of participation in the laboratory.

**Skills and Qualifications:** Strong background in using MATLAB in an engineering context is required. Prior experience with working as a TA within the first year program and engineering mathematics courses is an asset.

**How to Apply:**
Candidates are asked to submit, as ONE PDF document, the following:
1. 1-page Cover letter;
2. Curriculum Vitae;
3. A summary that demonstrates your experience, interest and/or excellence in teaching (maximum 1 page).

4 Teaching Assistant positions are available for MAT188, from January 2, 2018 to April 30th 2018. The contract will be for a **60 hours, at the rate of $43.65 per hour, plus 4% vacation pay.**
We thank all applicants for their interest; only shortlisted candidates will be contacted. Please email completed application package to fyjobs@ecf.utoronto.ca
Questions about the position can be directed to chirag.variawa@utoronto.ca

Application Deadline: **November 15, 2017, 11:59pm.**
Posted on October 27, 2017.

*This job is posted in accordance with the CUPE 3902 Unit 1 Collective Agreement. The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.*