



**First Year Program, Faculty of Applied Science & Engineering
APS106H1 2024W – Introduction to Computer Programming
Posting for 1 Special Development Teaching Assistant
Fall 2023**

The Faculty of Applied Science and Engineering is hiring **1** Special Development TA to lead the (re-)design, development, and testing of the lab portion of the introductory programming course, APS106 and to support its move to a more active-learning environment. The course begins on January 2024, and it is expected that this development work will start immediately.

One Teaching Assistant position is available for APS 106, from September to December 2023. The contract will be for **72 hours, the rate of \$47.64 per hour, plus 4% vacation pay.**

Skills and Qualifications: Previous experience is the more relevant criterion than the need to acquire experience in respect of this posted position. Good understanding of Python3 software language; strong, demonstrated interest in high-quality teaching/mentoring.

APS106 Course Description: An introduction to computer systems and software. Topics include the representation of information, algorithms, programming languages, operating systems and software engineering. Emphasis is on the design of algorithms and their implementation in software. Students will develop a competency in the Python programming language. Laboratory exercises will explore the concepts of both Structure-based and Object-Oriented programming using examples drawn from mathematics and engineering applications. Est. enrolment: +500; 4 lecture sections; 8 tut and 8 lab sections.

Duties: The successful candidate will work directly with the course instructor or designate and will use existing lab material as a starting point to potentially redesign new labs, and/or improve existing labs, in addition to testing the existing autograding system (MarkUs) for reliability. They will also work to support the development of materials and exercises in support of the use of an active-learning centered approach for the lectures.

How to Apply: Candidates are asked to submit, as ONE PDF document:

1. 1-page Cover letter;
2. Curriculum Vitae;
3. A 1-page well-communicated statement of how their interest and experience directly relate to the needs of the job. Demonstrated excellence in teaching/supporting first-year students is an asset.

Successful candidates may be invited to take on separate Head TA contracts during the deployment of the course in Winter 2024, along with the larger instructional team with all TA's, depending on leadership interests and availability. Candidates will have access to e-learning resources.

The Faculty of Applied Science & Engineering and First Year Office thanks all applicants for their interest; however, only those candidates considered for the position will be contacted.

Submit application online via:

<https://forms.office.com/r/BOvSsOnOEg>

The application deadline is May 09, 4:00 PM, 2023, EDT.

Posting Date: April 03, 2023.

If during the application and/or selection process you require accommodation due to a disability, please Contact : fyjobs@engineering.utoronto.ca

The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission. The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment and selection processes as accessible as possible and provide accommodations as required for applicants with disabilities. If you require any accommodations at any point during the application and hiring process, please contact uoft.careers@utoronto.ca. During employment, to request accommodation from the University, contact the supervisor or department chair and/or Health & Wellbeing Programs & Services at hwb@utoronto.ca. For more information about accommodations at U of T, please visit our [Accommodation webpage](#).

The hiring criteria for Teaching Assistant positions are academic qualifications, the need to acquire experience, previous experience and previous satisfactory employment under the provisions of this Collective Agreement.

Candidates who are members of Indigenous, Black, racialized and LGBTQ2S+ communities, persons with disabilities, and other equity seeking groups are encouraged to apply, and their lived experience shall be taken into consideration as applicable to the position.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

This job is posted in accordance with the CUPE 3902 Unit 1 Collective Agreement.

The position(s) posted above is (are) tentative, pending final course determinations and enrolments. Positions posted here are open to Graduate Students in the School of Graduate Studies, Postdoctoral Fellows and Undergraduate Students in the University of Toronto.

Preference in hiring shall be given to Graduate Students enrolled in the School of Graduate Studies of the University of Toronto or those who have made application to be enrolled in the School of Graduate Studies of the University of Toronto.