



**Department of Chemical Engineering
Term Adjunct Position
2019 Summer term**

Posting Date: January 18, 2019

Closing Date: March 1, 2019

The Department of Chemical Engineering at Queen's University requests applications from suitably qualified candidates interested in teaching the following online **undergraduate 6-week course** in the 2019 summer term.

**APSC 250 Biology Through an Engineering Lens
May 1, 2019 to June 30, 2019**

Course Description

APSC 250 Biology Through an Engineering Lens

This course provides an introduction to biology and biochemistry, and their applications in cell-based engineering systems and processes. Students will obtain a basic background in biology, including the biology of bacteria, fungi, viruses and human cells. These concepts will be related to applications relevant to modern engineering and will be taught from a systems engineering perspective through the lens of societal need. This will include such applications as bioremediation for the treatment of waste water, production of vaccines, biomedical and biomechanical devices, and regenerative medicine. While taught from an engineering perspective, the course would be relevant to any student interested in the application of biology and is designed to provide relevant examples across multiple disciplines. The course assumes basic first year level science knowledge.

Qualifications:

Minimum of a M.Sc., M.A.Sc. or higher in Chemical, Biochemical, or Biological Engineering or a related field. Experience in applying cell-based biological and biochemical principles. Previous teaching experience with demonstrated student mentoring at the University level will be preferred. Candidates must have excellent communication, organizational, and time management skills.

The 6-week course will be delivered online. Summer term begins May 1 and ends June 17. The summer term examination period is June 17-21, 2019.

The University invites applications from all qualified individuals. Queen's University is committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, Aboriginal people, persons with disabilities, and LGBTQ persons. All qualified candidates are encouraged to apply; however, Canadians and permanent residents of Canada will be given priority. Academic staff at Queen's University are governed by a collective agreement between QUFA, www.qufa.ca and Queen's University.

The University will provide support in its recruitment processes to applicants with disabilities, including accommodation that takes into account an applicant's accessibility needs. If you require accommodation during the interview process, please contact Tanya Lighthart, lighthart@queensu.ca, Administrative Assistant, Chemical Engineering (613) 533-6000 extension 74528.

To comply with Federal laws, the University is obliged to gather statistical information about how many applicants for each job vacancy are Canadian citizens/permanent residents of Canada. Applicants need not identify their country of origin or citizenship; however, all applications must include one of the following statements: I am a Canadian citizen/permanent resident of Canada; OR, I am not a Canadian citizen/permanent resident of Canada. Applications that do not include this information will be deemed incomplete.

Applications should include a complete and current *curriculum vitae*, a statement of teaching experience, the names and contact details of two referees, and any other relevant materials the candidate wishes to include for consideration. Applications can be submitted to the Term Adjunct Appointments Committee at the address below, or by e-mailing Tanya Lighthart at lighthart@queensu.ca . Applications should be submitted by midnight in Kingston on **March 1, 2019**.

Chemical Engineering Term Adjunct Appointments Committee
c/o Tanya Lighthart
Department of Chemical Engineering
Room 201, Dupuis Hall
19 Division Street
Queen's University, Kingston, Ontario K7L 3N6
613-533-2765