

## Call for candidates

# Professor in the development of biotechnological processes

N° 05166

Posting period: December 21, 2021 to February 28, 2022, 5 PM

**JOB DESCRIPTION:** Professor

**LOCATION:** Main campus

**STATUS:** Regular

**ADMINISTRATIVE UNIT:**

Faculty of Engineering – Department of Chemical and Biotechnological Engineering

**SCHEDULE:** Full time tenure-track position



The Université de Sherbrooke is seeking applications for a position as professor in biotechnological engineering. This is a regular position, full-time tenure track, at the department of Chemical and Biotechnological Engineering, Faculty of Engineering.

### About Université de Sherbrooke

Renowned both nationally and internationally, the Université de Sherbrooke is firmly rooted in the community and fully committed to responding to society's changing needs. Well beyond its primary mission of teaching and research, the University actively contributes to Quebec's development and influence with its original approaches and openness to innovative partnerships.

The Université de Sherbrooke is a French-speaking institution renowned for its human dimension, its innovative operating style and its partnering with professionals. The Université de Sherbrooke is host to more than 31,000 students (from 102 countries and territories worldwide), and another 12,000 students are registered at the University of the Third Age. There are 7,300 employees at the Université de Sherbrooke.

## Required profile

The Chemical and Biotechnological Engineering Department (CBED) is seeking candidates for a regular full-time tenure track position in the development of biotechnological processes with an eye on sustainable development. The candidates should be qualified to teach both ungraduated and graduate courses at the CBED and should demonstrate excellent research skills in the field of process engineering. The Department will prioritize the development and integration potential of the candidates and their innovative character, then will give special, but not limited, attention to applicants active in the following fields:

- Microbial fermentation and / or cell culture on a large scale;
- Downstream processing of bioproducts (e.g. extraction, separation, purification, polishing and formulation);
- Development of bioprocesses (e.g. 1- biohydrometallurgy, recycling and/or valorization of mining residues, urban or forestry waste, 2- reduction and capture of CO<sub>2</sub> and for the synthesis of clean fuels, 3- new processes for air, water and soils treatment (environment)).

We seek candidates who value teamwork and promote collaboration. This person must be creative and be able to become fully involved in the development of new infrastructures in chemical process or bioprocess engineering. Applicants of all seniority levels will be considered.

## Principal tasks

1. Teach at all graduate and undergraduate levels.
2. Supervise graduate and doctoral students.
3. Develop fundamental and applied research activities.
4. Take part in university life.
5. Contribute to community service.

## Qualifications

1. Hold a doctorate in biotechnological engineering, chemical engineering or a discipline deemed relevant.
2. Have a marked interest in university pedagogy and teaching as well as for research, development, and innovation.
3. Have a marked interest in research (disciplinary, interdisciplinary) and in the transfer of knowledge and innovation.

4. Demonstrate good ability to supervise graduate students.
5. Have a publication record in peer-reviewed journals of international standing, testifying to an excellent research record.
6. Demonstrate skills in establishing and maintaining good interpersonal relations, a sense of collaboration, and teamwork skills.
7. Demonstrate qualities of leadership and initiative as well as outstanding skills in communicating and effectively and harmoniously interacting with various internal and external partners.
8. The successful candidate must be able to teach in French or be able to do so in short order.
9. Be a member of the Ordre des ingénieurs du Québec or have the required qualifications to become member as soon as possible.
10. Experience in interdisciplinary, multidisciplinary, or transdisciplinary research as well as in knowledge transfer will be considered an asset.

### **Work conditions**

The working conditions are governed by the collective agreement in effect.

Regular, full-time tenure-track position.

Anticipated start date: May 1<sup>st</sup>, 2022

### **Equity, diversity and inclusion**

The Université de Sherbrooke (UdeS) values equity, diversity, equality and inclusion in employment within its community and invites all qualified individuals to apply, particularly women, members of visible and ethnic minorities, Aboriginal peoples and [persons with disabilities](#) in compliance with the Quebec Act respecting equal access to employment in public bodies. The screening and assessment tools can be adapted according to the needs of persons with disabilities who request them, and this, in complete confidentiality. The Université de Sherbrooke also encourages people of all sexual orientations and gender identities to apply. Priority will be given to Canadians and permanent residents. [Learn more about equity, diversity and inclusion at UdeS.](#)

## Application process

Check our website then submit your application online. For this opportunity, see offer 05042.

Direct link:

<https://www.usherbrooke.ca/emplois/offre/no/05166>

Review of applications will begin on **March 14, 2022, 5 PM** and will continue until the position is filled.

Please attach :

1. Your curriculum vitae
2. A motivational letter
3. A research-program proposal. The research-program proposal (maximum of two pages) should, in particular, broach the main axes in relationship to your past targeted objectives, brief program of activities, integration with the priority themes of the Faculty of Engineering, training of highly qualified personnel who will be called on to take part, funding options and networking;
4. A description of your teaching vision (2 pages) including the teaching activities you would like to develop and the teaching methods you recommend.

In addition, please have three (3) letters of recommendation sent directly by the signatories to the following:

The Dean

Faculty of Engineering

Job posting 05166

Université de Sherbrooke

2500, boul. de l'Université Sherbrooke (Québec)

CANADA J1K 2R1

E-mail : [doyen.genie@USherbrooke.ca](mailto:doyen.genie@USherbrooke.ca)