

## POSTDOCTORAL POSITION IN POST-SECONDARY TEACHING AND LEARNING: NATURAL AND APPLIED SCIENCES

### Centre for Mathematics, Science and Technology Education

**Duration:** 8 months, subject to satisfactory performance review following the first two months

**Start date:** January 3, 2023 (start date may be negotiated with Centre Directors)

**Citizenship restrictions:** Canadian Citizen/Permanent Resident

**Stipend:** \$43,300 CAD, plus supplemental health benefits.

CMASTE is inviting applications for a full-time, 8-month postdoctoral position which will support curriculum development on the Scholarship of Pedagogy and Application of Research Knowledge (SPARK) program. The SPARK program is a professional learning program for faculty members that promotes active participation, collaboration and reflection across the career-span to enhance effective instructional practice, classroom interactions and assessment. The initial SPARK program was developed with a focus on engineering education. The postdoctoral fellow will adapt the current SPARK program to **Natural & Applied Sciences (Engineering, Nursing, and Science)** within a French language environment for Campus Saint-Jean.

Project responsibilities include:

- Adapting SPARK program to be applicable to teaching and learning in Natural & Applied Sciences.
- Identifying and/or creating professional learning resources on postsecondary teaching and learning in the natural and applied sciences in alignment with the SPARK program objectives.
- Coordinate with the cross-disciplinary steering committee to ensure needs are being addressed through the new program.
- Coordinate with the French-language consultant and translator to include French-language readings and podcasts.
- Collaborate with CMASTE staff to ensure project completion on time and within budget.

Qualified candidates will have completed a doctoral program (within the past five years) in a relevant discipline within natural and applied sciences education. They will have background in, or commitment to, teacher education or curriculum design and implementation. Teaching experience in K-12 and/or post-secondary in Canadian contexts is required with preference given to French bilingual candidates. The successful candidate will demonstrate:

- Experience with design principles for curriculum development and/or online course delivery.
- Understanding of professional learning models.
- Proficiency with technology tools like Microsoft Office and Google Suite.
- Flexibility to work remotely and face-to-face when needed.
- Collaborative skills and working as a team member.
- French bilingual is considered an asset.

Based in the University of Alberta's Faculty of Education, the Centre for Mathematics, Science and Technology Education (CMASTE) is a long-standing educational research and development centre that specializes in the synthesis of research, knowledge translation and outreach. The purpose of the Centre is to promote research and development in mathematics, science and technology education in Canada and beyond, achieved through an academic collective at the University of Alberta who provide a broad range of stakeholder groups a uniquely favourable environment for productive and significant collaborative work.

**To Apply:** Applicants should submit to [cmaste@ualberta.ca](mailto:cmaste@ualberta.ca), with “NAS Postdoc Application” in subject field, the following:

- A letter of interest for the position
- Curriculum vitae
- Proof of completion of PhD (awarded within 5 years prior to the proposed start date)
- A statement (1 - 2 pages) of research and teaching experience with curriculum studies in a discipline related to natural and applied sciences education.
- Two letters of reference to be sent directly from referees to [cmaste@ualberta.ca](mailto:cmaste@ualberta.ca) (ask referees to include “NAS Postdoc Reference” in the email subject field).

**Closing date:**

Review of applications will begin December 7, 2022 and will continue until the position is filled.

**We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.**

*The University of Alberta is committed to an equitable, diverse, and inclusive workforce. We welcome applications from all qualified persons. We encourage women; First Nations, Métis and Inuit; members of visible minority groups; persons with disabilities; persons of any sexual orientation or gender identity and expression; and all those who may contribute to the further diversification of ideas and the University to apply.*