



Instructor, Nanoscience Program University of Calgary

The **Nanoscience Program** at the **University of Calgary** invites applications for a **3-year limited-term** position at the rank of **Instructor**, with an anticipated start date of May 1, 2021.

The Nanoscience Program at the University of Calgary is based on an award-winning curriculum which fully embraces the Learning Science by Doing Science ethos. The Nanoscience Program offers undergraduate students with a Concentration (9 units), or a Minor (18 units). Applicants are sought in the broad field of Nanoscience. The successful applicant will be expected to teach classes in the Nanoscience Program, coordinate the capstone research class (NANS 502), and oversee the management, operation, and maintenance of the Nanoscience Laboratory (which includes chemical instrumentation, spectrometers (UV-visible, fluorimetry, dynamic light scattering, glovebox, fluorescence correlation spectroscopy, atomic force microscopes, scanning electron microscope, and Langmuir-Blodgett trough). The successful applicant will work with the instructional team to develop course materials and enact recommendations from the recently completed curriculum review. Given the laboratory is also accessible to University of Calgary researchers, the applicant will provide training to graduate students and post-doctoral scholars on how to operate the equipment available in the Nanoscience laboratory.

Qualifications required:

- Minimum of a thesis-based PhD in field of Nanoscience, broadly defined (e.g. Chemistry, Physics, Biology, Pharmacology); Postdoctoral experience may be seen as an asset
- Demonstration of dedication to excellence in teaching
- Experience in lecture design and delivery (particularly nanoscience-related classes), design and instruction of laboratory exercises, supervision and mentorship of undergraduate students working on research projects in the field of nanoscience, and preparation of exams will be seen as strong assets
- Excellent interpersonal skills
- Ability to work in a diverse team of faculty, technical staff, and graduate students
- Expertise in Nanoscience, with particular emphasis on imaging techniques (atomic force microscopy; scanning electron microscopy; confocal microscopy). Experience with fluorescence correlation, cross-correlation, UV-Vis, and fluorescence spectroscopy, dynamic light scattering, zeta potential, and Langmuir-Blodgett trough technique will be seen as strong assets
- Attributes such as flexibility and creativity will be seen as strong assets

Interested individuals are encouraged to submit an application online via UCalgary Careers

(<https://careers.ucalgary.ca/>) Applicants must provide a concise statement of teaching philosophy (1 page), a teaching dossier describing past teaching experience, and curriculum vitae. Candidates should

include names and contact information for three references that will be contacted once a short list of candidates is developed.

The deadline for applications is January 15, 2021

For more information and to apply: <https://careers.ucalgary.ca/jobs/5914639-instructor-nanoscience-program-faculty-of-science>

The University of Calgary recognizes that a diverse staff/faculty benefits and enriches the work, learning and research experiences of the entire campus and greater community. We are committed to removing barriers that have been historically encountered by some people in our society. We strive to recruit individuals who will further enhance our diversity and will support their academic and professional success while they are here. All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority. In this connection, at the time of your application, please answer the following question: Are you a Canadian citizen or a permanent resident of Canada? (Yes/No)

About the Faculty of Science

The Faculty of Science has been catalyzing change and inspiring discovery, creativity, and innovation for over 50 years. Our strategic direction integrates current and emerging strengths with areas targeted for future growth and investment. Our strategic priorities, goals, and values guide our mission to advance research, scholarship, and innovation, create authentic learning experiences, and inspire careers of the future. We fuel transformational change, and build a strong community through teaching, learning, research, scholarship, and collaborative partnerships. We do this work to generate curiosity-drive discovery and contribute solutions to society's grand challenges. For more information, visit science.ucalgary.ca.

We thrive in the dynamic context of the University of Calgary, one of Canada's most youthful and innovative universities. We are a bold and ambitious research university, grounded in innovative learning and teaching, fully engaged in Calgary's entrepreneurial spirit.

About the University of Calgary

The University of Calgary is Canada's leading next-generation university – a living, growing and youthful institution that embraces change and opportunity with a can-do attitude. Located in the nation's most enterprising city, the university is making tremendous progress on its Eyes High journey to be recognized as one of Canada's top five research universities, grounded in innovative learning and teaching and fully integrated with the community it both serves and leads. The University of Calgary inspires and supports discovery, creativity and innovation across all disciplines. For more information, visit ucalgary.ca.

About Calgary, Alberta

Calgary is one of the world's cleanest cities and has been named one of the world's most livable cities for years. Calgary is a city of leaders - in business, community, philanthropy and volunteerism. Calgarians benefit from a growing number of world-class dining and cultural events and enjoy more days of sunshine per year than any other major Canadian city. Calgary is less than an hour's drive from the majestic Rocky Mountains and boasts the most extensive urban pathway and bikeway network in North America.

