

Assistant Professor (Teaching), Materials Science &
Engineering in Mechanical and Manufacturing Eng
University of Calgary

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Posted Apr. 23, 2025, set to expire Aug. 25, 2025

Job Title	Assistant Professor (Teaching), Materials Science & Engineering in Mechanical and Manufacturing Eng
Department	Mechanical and Manufacturing Engineering
Institution	University of Calgary Calgary, Alberta
Date Posted	Apr. 23, 2025
Application Deadline	Jun. 1, 2025
Position Start Date	Jul. 1, 2025
Job Categories	Assistant Professor
Academic Field(s)	Mechanical Engineering
Job Website	https://careers.ucalgary.ca/jobs/16011076-assistant-professor-teaching-materials-science-and-engineering-in-mechanical-and-manufacturing-eng
Apply Online Here	https://careers.ucalgary.ca/jobs/16011076-assistant-professor-teaching-materials-science-and-engineering-in-mechanical-and-manufacturing-eng
Apply By Email	
Job Description	

The Department of Mechanical and Manufacturing Engineering, Schulich School of Engineering, University of Calgary is pleased to invite applications for a tenure-track Assistant Professor (Teaching) position in Materials Science and Engineering, to support active and experiential learning initiatives in the classroom. The anticipated start date is July 1, 2025.

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The Schulich School of Engineering is a strong promoter of innovative teaching and learning practices, with a focus on active and experiential learning. The school has recently renovated an extensive amount of space to facilitate meaningful studio-based active learning classrooms where students can engage with classwork in Schulich Studio, a dynamic, team-based learning environment. The common first-year engineering experience in the Schulich School of Engineering is delivered with a strong focus on active learning in the classroom. Active learning includes project-based learning, classroom demos, hands-on learning, discussions, worksheets, and other active approaches. This teaching style is demonstrated to support deeper learning and enhanced engagement for the students. In addition, the teaching environment offers an exciting opportunity for academic staff to work, mentor and be mentored in a dynamic teaching team with other engineering education innovators. We also hope that the candidate will be a strong contributor to continued development, research and dissemination of these or similar innovative teaching practices in both the first year and upper year/graduate programs.

The Department of Mechanical and Manufacturing Engineering is currently inviting applications for a tenure-track faculty member at the rank of Assistant Professor (Teaching) to expand its core team of innovative engineering instructors. Initially, roughly half of the new faculty members' teaching duties will be devoted to the delivery and continual improvement of the first-year program while the other half will involve contributing to upper-year courses in the Department of Mechanical and Manufacturing Engineering, primarily in areas relating to Materials Science. Candidates with an earned doctoral or master's degree in Mechanical Engineering, Materials Engineering, Engineering Physics or a related field, or those who will have earned a doctoral or master's degree in one of these fields by the anticipated start date are invited to apply for the position in Materials Science and Engineering.

The successful candidates are expected to be eligible to register as a Professional Engineer with the Association of Professional Engineers and Geoscientists of Alberta (APEGA).

Position Requirements The successful candidate will demonstrate:

- Excellence or the potential for excellence in teaching at the university level
- Experience with or strong interest in innovative and evidence-based teaching practices, especially active learning classrooms and experiential learning
- An established track-record or interest in research into the Study of Teaching and Learning (SoTL)
- Excellent teamwork, communication, and organizational skills
- A commitment to equity, diversity, inclusion, and accessibility in engineering

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- Technical expertise in the following areas: metallurgy, composite materials, advanced materials, nanotechnology, soft material physics, extractive metallurgy, polymer engineering, etc.

Application Deadline: June 01, 2025

Application Instructions: Interested candidates are encouraged to apply online <https://careers.ucalgary.ca/jobs/16011076-assistant-professor-teaching-materials-science-and-engineering-in-mechanical-and-manufacturing-eng> . Please note that the application website allows for only four attachments. Your four attachments should be organized to contain the following (it is suggested that you merge these documents into a single pdf):

1. Cover letter and Curriculum Vitae, including the name and contact information of three referees.
2. Teaching Dossier, including: (maximum 4 pages)
 - o Statement of teaching philosophy
 - o Statement of teaching strategies
 - o Evidence of teaching effectiveness or potential
3. Statement on equity, diversity, inclusion, and accessibility (maximum 1 page)
4. Statement of Research on intended or current research activities related to education pedagogy and/or innovative teaching practices (2 pages)

Questions may be addressed to:

Questions may be addressed to:

Dr. Philip Egberts, PhD, PEng

Professor and Associate Dean Engineering Physics

Schulich School of Engineering

Email: info.mme@ucalgary.ca

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The University of Calgary recognizes that candidates have varying career paths and that career interruptions can be part of an excellent academic record. Candidates are encouraged but not required to provide any relevant information about their experience and/or career interruptions to allow for a fair assessment of their application. Selection committees have been instructed to give careful consideration to, and be sensitive to the impact of career interruptions, when assessing the candidate's research productivity.

Schulich School of Engineering

The Department of Mechanical and Manufacturing Engineering, part of the Schulich School of Engineering, is home to 47 full-time faculty and over 800 undergraduate and 360 graduate students. Our academic offers include undergraduate (BSc) and graduate (MSc, PhD, MEng) programs in mechanical engineering, along with minors in aerospace, mechatronics, manufacturing, biomedical, digital, energy and environment engineering, and graduate certificates. Aligned with the Schulich Momentum strategic plan, the Schulich School of Engineering continues to pursue its vision of global recognition for research impact and innovation, inclusivity in engineering, contributions towards Truth and Reconciliation, and enriching student success and experience.

The University of Calgary has launched an institution-wide Indigenous Strategy committing to creating a rich, vibrant, and culturally competent campus that welcomes and supports Indigenous Peoples, encourages Indigenous community partnerships, is inclusive of Indigenous perspectives in all that we do.

As an equitable and inclusive employer, 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. In particular, we encourage members of the designated groups (women, Indigenous peoples, persons with disabilities, members of visible/racialized minorities, and diverse sexual orientation and gender identities) to apply. To ensure a fair and equitable assessment, we offer accommodation at any stage during the recruitment process to applicants with disabilities. Questions regarding [diversity] EDI at UCalgary can be sent to the

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<https://www.ucalgary.ca/equity-diversity-inclusion> and requests for accommodations can be sent to Human Resources (hrhire@ucalgary.ca).

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).

To learn more about academic opportunities at the University of Calgary and all we have to offer, view our Academic Careers website. For more information visit Careers in the Schulich School of Engineering.

The University strongly recommends all faculty and staff are fully vaccinated against COVID-19. About the University of Calgary UCalgary is Canada's entrepreneurial university, located in Canada's most enterprising city. It is a top research university and one of the highest-ranked universities of its age. Founded in 1966, its 36,000 students experience an innovative learning environment, made rich by research, hands-on experiences and entrepreneurial thinking. It is Canada's leader in the creation of start-ups. Start something today at the University of Calgary. For more information, visit ucalgary.ca.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Philip Egberts
Mechanical and Manufacturing Engineering
University of Calgary
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Calgary, AB T2N 1N4
Canada

Contact E-mail info.mme@ucalgary.ca