

Faculty of Engineering, W Booth School of Engineering

Practice & Technology

Teaching Track Position: Manufacturing Engineering Technology

The Faculty of Engineering at McMaster University has a reputation for innovative programs, cutting-edge research, leading faculty, and aspiring students. It has earned a strong reputation as a centre for academic excellence and innovation. The Faculty has approximately 180 faculty members, along with close to 5,500 undergraduate (4,200 in the School of Engineering and Applied Sciences and 1,250 in the W Booth School of Engineering Practice and Technology), 425 Master's students, and 340 PhD students.

The W Booth School of Engineering Practice and Technology (SEPT) is home to the McMaster-Mohawk Bachelor of Technology Partnership and hosts a number of professional masters level programs in Engineering Practice oriented to the development of leadership and entrepreneurial competencies.

The School is presently hiring for an Assistant Professor in the area of Manufacturing Engineering Technology. The successful candidate will hold a doctorate in Mechanical Engineering or be enrolled in a PhD program in Mechanical or Manufacturing Engineering. The candidate must demonstrate excellence in teaching undergraduate university courses with subject matter expertise and teaching experience in courses such as Finite Element Analysis, Advanced Mathematics and Manufacturing Processes and Mechanical Material Behavior Coupled with Microstructure. Excellent written and oral communication skills in English are required. A demonstrated understanding and commitment to student success, teaching excellence, quality education and applied pedagogical research within a university environment are mandatory. The successful candidate must demonstrate effective teaching methods and commitment to adopt modern and innovative teaching approaches, including techniques for online teaching and learning are key components of this role as well as an ability to redesign courses based on learning outcomes and to develop the corresponding assessment tools. Capable of relating fundamental mathematics and science to real engineering application is critical. Industrial experience and demonstrated leadership roles would be considered a definite asset as would experience with program management in an academic setting including curriculum development and management of instructors and faculty. The qualified candidate must demonstrate the ability to work effectively with individuals from diverse communities and cultures. A professional engineering license, or eligibility for registration, would be considered a definite asset.

While the primary role for this position is teaching (24 credit hours per year), the School expects faculty to engage in committee assignments and to participate in student and school events, as well as other service tasks, as assigned. In addition, the successful candidate will have the opportunity to engage in pedagogical research.

Interested applicants should submit a letter of interest, curriculum vitae, and a teaching dossier that includes a teaching philosophy, as well as evidence of teaching experience and effectiveness. Please provide the names of at least four references who can speak to your academic performance (with postal and email addresses). In your teaching statement, please describe how you will further equity and inclusion to advance McMaster University's commitment to fostering a culture that embraces and promotes the rich diversity of our campus community. Some current examples of activities, include diversity-related programming, contributions to student success, committee work, and appropriate mentoring of individuals, especially those from groups that have been historically marginalized or disadvantaged. Complete applications must be made online at www.workingatmcmaster.ca/careers (Faculty Postings, Job #27077).

The starting date for this position is negotiable but is anticipated to be July 1, 2020. Review of applications will begin immediately and continue until the position is filled.

In addition to competitive salaries, McMaster University provides one of the best benefit packages amongst Canadian universities, which includes supplementary medical and dental coverage, a defined benefits pension plan, long term

disability insurance and family-friendly supports such as a child care allowance, and funded pregnancy/parental leaves. University policies include provisions for such leaves in the tenure process and in annual merit evaluations. The Faculty of Engineering has additional supports in place, such as funding from the Engineering Life Event Fund, to help maintain continuity in scholarship during pregnancy/parental, medical, or family-related leaves.

The Faculty of Engineering promotes a nurturing and inclusive environment where opportunities are made available for personal growth and professional development through the [Faculty Development Academy](#).

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents of Canada will be given priority for this position. McMaster University is strongly committed to employment equity within its community and to recruiting a diverse faculty and staff. The University encourages applications from all qualified candidates, including women, persons with disabilities, First Nations, Métis and Inuit persons, member of racialized communities and LGBTQ-identified persons. If you require any form of accommodation throughout the recruitment and selection procedure, please contact the Human Resources Service Centre at Extension 222-HR (22247).

For more information about the Department, please consult <http://www.eng.mcmaster.ca/wbooth/index.html> or refer to <https://www.eng.mcmaster.ca/about/faculty-recruitment>

To comply with the Government of Canada's reporting requirements, the University is obliged to gather information about applicants' status as either Permanent Residents of Canada or Canadian citizens. Applicants need not identify their country of origin or current citizenship; however, all applications must include one of the following statements:

Yes, I am a citizen or permanent resident of Canada

No, I am not a citizen or permanent resident of Canada