

# Fire Safety Graduate Courses

## PRELIMINARY COURSE LISTING 2025

January 27 – 31, 2025	ME 671 - Fire Dynamics, Prof. V. Gupta, Waterloo
April 28 – May 2, 2025	ME 770- Fire Testing, Prof. D. Torvi, Saskatchewan
June 2025 (TBA)	ME 770 - Fire Risk, Profs G. Jomaas, Slovenia; K. Nishijima, Kyoto
August 11 – 15, 2025	ME 720 - Fire Resistance, Prof. V. Kodur, Michigan
TBA	ME 765 - Advanced Fire Investigation, P. Senez, Adjunct Professor
September 2025 (TBA)	ME 673 - Fire Modelling, TBA, Waterloo
October 20 – 24, 2025	ME 765 - Human Behaviour in Fire, Prof. J. Gales, York
November 10-14, 2025	ME 672 - Advanced Enclosure Fires, N. Ryder, Adjunct Professor

Fire Safety courses at University of Waterloo are offered in a one week-long, intensive lecture format (approximately 36-40 hours) with lab exercises and hands-on demonstrations during the week. On Friday, students often present topics for their course projects. In some courses, a Student Symposium (with guest speakers) is run. Seminars are tailored to topics related to the course material as well as industrial applications, providing an enriched experience for all students as well.

### ON-LINE SEATS AVAILABLE FOR COURSES

Ideal for students who cannot make it to the UW campus to take lectures. Courses are offered through video conference! Students can ask questions and contribute their experiences as if they are in the classroom at UW. Lectures are taped and recordings are available to all registered students through a dedicated site. This way, students can review a missed lecture or review each lecture while doing coursework.

For UW credit-based students, the lectures are offered in one UW term (winter, spring or fall). The majority of coursework is electronically submitted in the following term (spring, fall or winter, respectively) for grading. This gives each student ample time to fit in course work whilst also balancing pressures at their jobs. Handouts, assignments, projects are available through the UW LEARN system or via Dropbox for each course. Insofar as possible, assignments test students on key concepts in a course; **projects and case studies are individually tailored to the interests/needs of each student's industry.**

There are **no exams**, so students are able to take the **entire program through any mix of in class or interactively on-line**, or using only the recorded lectures (this is not a popular option but has been done). Any mix of these is allowed. We offer all of our courses individually (on a fully marked or attendance-only basis) or to fulfill requirements for MEng, MEng (GDip Fire Safety), research MASc, PhD credits or through a 4-course (non-degree) certificate program.

Course dates and instructors are updated at <https://uwaterloo.ca/fire-research-and-safety/fire-safety-program>



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FACULTY OF ENGINEERING  
Department of Mechanical  
and Mechatronics Engineering