



# UNENE

University Network of Excellence in Nuclear Engineering

[www.unene.ca](http://www.unene.ca)

## UNIVERSITY NETWORK OF EXCELLENCE IN NUCLEAR ENGINEERING (UNENE) M. ENG. IN NUCLEAR ENGINEERING

**DEGREE:** Master's of Engineering    **ENTRY DATE:** Apply anytime

The Department of Engineering Physics at McMaster University offers the UNENE Program in partnership with the University of Western Ontario, the University of Waterloo and Queen's University.

The program is designed to provide practicing engineers with enhanced knowledge, tools, technology as well as the business and management skills necessary to keep them at the forefront of their profession.

To be eligible to apply, program applicants must hold an honours baccalaureate degree in the fields of engineering, science or mathematics.

### THE PROGRAM

Students will be granted a Master's in Engineering Degree upon the successful completion of ten half courses within a five year period with a minimum passing grade of B- for each course. The program is offered on a part-time basis.

### Core Courses Offered:

- UN 0801 / Nuclear Plant Systems and Operations
- UN 0802 / Reactor Physics
- UN 0803 / Nuclear Reactor Safety Design
- UN 0804 / Reactor Thermalhydraulics

### FACULTY RESEARCH

In addition to the M. Eng course based degree, UNENE faculty members are involved in the following research projects:

**Queen's:** NSERC/UNENE Industrial Research Chair in Advanced Nuclear Materials, Prof. Rick Holt, IRC, Associate Chair Dr. M. Daymond

**McMaster:** NSERC/UNENE IRC in Nuclear Safety Analyses and Thermal Hydraulics, Dr. John Luxat, IRC, Associate Chair Dr. David Novog

**Toronto:** NSERC/UNENE IRC in Nano-Engineering of Alloys  
Dr. Roger Newman, IRC

**UOIT:** NSERC/UNENE IRC in Radiation and Environmental Safety

**Waterloo:** NSERC/UNENE IRC in Risk-based Life Cycle Management,  
Dr. Mahesh Pandey, IRC

**Western:** NSERC/UNENE IRC in Control, Instrumentation and Electrical Systems, Dr. Jin Jiang, IRC

**Royal Military College:** NSERC/UNENE/COG IRC in Nuclear Fuel,  
Dr. Brent J. Lewis, IRC

### Admission Criteria

- Honours baccalaureate degree in engineering, science or mathematics.

### Application Deadline

- No application deadline, apply at anytime.

### Contact Information

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More details may be found at

[www.unene.ca](http://www.unene.ca)



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