



GRADUATE STUDIES COMMITTEE

Report to Academic Council
at its meeting of January 15, 2013

FOR ACTION

1. Graduate Diploma in Nuclear Design Engineering

The Graduate Studies Committee recommends:

That Academic Council approve the new Graduate Diploma in Nuclear Design Engineering

The Faculty of Energy Systems and Nuclear Science has proposed the establishment of a new Type 3 Graduate Diploma program in Nuclear Design Engineering. The proposed program is designed to meet identified needs for post-graduate knowledge and skills in nuclear power plant design engineering, particularly for people already working in the industry. The proposed diploma will complement the Faculty's existing graduate degree and diploma offerings in nuclear technology, nuclear power and radiological and health physics, some of which are closely linked to the topics of design, licensing, and safety of nuclear technology.

The program aligns with UOIT's Strategic Mandate Agreement (SMA) in that the delivery model is very flexible and hybrid. This program will be accessible to individuals who are currently employed in industry and who seek further specialization of knowledge in the design and safe operation of nuclear reactors in Canada. Additionally, this program will also be available and of interest to current graduate students at UOIT. Students currently enrolled in other graduate programs may also wish to enroll in the two new courses to be offered as a result of this new program. The flexible delivery model will make it possible for graduate students in other programs to enroll without disrupting their ongoing programs of study. Furthermore, the presence of nuclear industry professionals in the same class as full-time graduate students is expected to result in significant peer-learning and the establishment of long-term working relationships.

The full proposal is attached as an appendix.

FOR INFORMATION

2. Changes to courses and program requirements

The Committee notes for information the following changes that have been made to graduate courses and program requirements for implementation in 2012-13:

- a) PhD in Mechanical Engineering, and in Electrical and Computer Engineering – Addition of new 0-credit required course (ENGR 6013G)
- b) MBA-MITS – Minor program adjustments to align with changes made earlier to the MITS program