



Graduate Studies Committee

Report to Academic Council
at its meeting of September 16, 2008

For Action

1. Proposal for a Doctor of Philosophy (PhD) in Applied Bioscience (Faculty of Science)

The Graduate Studies Committee recommends:

That Academic Council recommend to the Board of Governors the proposed Doctor of Philosophy (PhD) in Applied Bioscience, Faculty of Science, as set out in Appendix A.

Rationale:

The proposed doctoral program in Applied Bioscience will be the second PhD program to be offered by the university and will round out the University's academic programming in the area of Applied Bioscience. The program will build on our successful undergraduate and masters engineering programs offered by the Faculty of Science, and advance our mandate to provide forward-looking and innovative programming that is responsive to the needs of society.

In addition, the doctoral program would have the following strengths:

- It helps to meet the increasing demand for graduate enrollment, particularly in the Greater Toronto Area and the Durham Region.
- It serves to advance the national agenda in the area of research, development and innovation, particularly in the areas of biology and chemistry.
- It provides an academic option for UOIT's first graduating cohorts from the MASc in Applied Bioscience, and from graduate programs in the Health Sciences in future years.
- It draws on an impressive group of well qualified faculty members, including two Canada Research Chairs, who are conducting research in a number of areas of potential interest to doctoral candidates
- It provides an opportunity for graduate students to conduct innovative research in unique, state of the art research and development facilities at UOIT, including the Aquatic Toxicology Facility. In addition, funding for several additional leading-edge facilities will provide graduate students with access to the most advanced and current technologies.

The proposal is attached as Appendix A.

2. Proposal for Graduate Diplomas in Nuclear Technology (Faculty of Energy Systems and Nuclear Science)

The Graduate Studies Committee recommends:

That Academic Council recommend to the Board of Governors the six proposed Graduate Diplomas in Nuclear Technology Faculty of Energy Systems and Nuclear Science, as follows:

- 1. Graduate Diploma in Nuclear Technology - Fuel, Materials and Chemistry*
- 2. Graduate Diploma in Nuclear Technology - Reactor Systems*
- 3. Graduate Diploma in Nuclear Technology - Operation and Maintenance*
- 4. Graduate Diploma in Nuclear Technology - Safety, Licensing and Regulatory Affairs*
- 5. Graduate Diploma in Nuclear Technology - Health Physics*
- 6. Graduate Diploma in Nuclear Technology - Radiological Applications*

Rationale:

The Faculty of Energy Systems and Nuclear Science proposes to offer a suite of six Type 4 Graduate Diplomas in Nuclear Technology based on areas of sub-specialization within the fields of Nuclear Power and Radiological and Health Physics. These are the first graduate diplomas to be offered at UOIT and will be stand-alone, direct entry programs designed to suit the needs of personnel working in the nuclear industry, in addition to the MASc/MEng programs that are currently offered by the Faculty. The diploma programs will provide professionals in the nuclear field with opportunities to upgrade their knowledge and skills, to position themselves for transfer and/or advancement within their industry and to promote an orientation toward lifelong learning. Each diploma has defined set of courses relevant to the area of sub-specialization comprised of senior undergraduate and graduate courses currently offered by the Faculties of Energy Systems and Nuclear Science and Engineering and Applied Science, and as such there would be no need to schedule additional courses to accommodate the diploma cohort.

The proposal is attached as Appendix B.

3. Proposed Revisions to the Policies on Graduate Studies

The Graduate Studies Committee recommends:

That Academic Council approve the following Graduate Studies policies:

- 17.2: Graduate faculty appointments*
- 17.10.xx (new policy): Admission of mature students*
- 17.10 xx (new policy) Deferral of offers*

The text of the policies is provided in Appendix C.

Rationale:

The proposed policies are being put forward to guide and clarify the procedures around the appointment of graduate faculty, admissions procedures for mature students and deferral of offers of admissions.