CURRICULUM AND PROGRAM REVIEW COMMITTEE

Report to Academic Council

at its meeting of April 17th, 2018

FOR ACTION

1. Faculty of Energy Systems and Nuclear Science

a. New Degree Program Proposal

The Curriculum and Program Review Committee recommends:

That Academic Council recommend to the Board of Governors the approval of the Bachelor of Technology (BTech) in Sustainable Energy Systems.

Rationale

The Faculty of Energy Systems has proposed a new degree program that will support the mandate of the Faculty and complement its other energy-focused programs. As society's need for energy continues to grow, so too does the need to mitigate the negative environmental and social impacts of energy supply and use. Changes in how we use energy are facilitated by the development of renewable energy technologies, smart technologies, climate change mitigation policies, and smart and sustainable communities. These ongoing changes in energy technologies and systems will require workers who can enable those changes. 'Energy systems' are the technologies, infrastructure, and behaviours that connect the flows of materials and energy from natural resources to meet societal wants and needs, and achieving the goal of sustainable energy systems requires an interdisciplinary perspective. The BTech program will ensure graduates possess a deep familiarity with the technologies associated with energy systems and various technological options, as well as the skills to continually analyse new energy technologies and changes to energy systems, in terms of their techno-economic and environmental performances. Several FESNS professors with skills in the energy sector already have courses developed in sustainable or renewable energy systems. The BTech supports a key FESNS priority to ensure retention of an integrated energy systems mix in the faculty.

2. Centre for Institutional Quality Enhancement

a. Cyclical Program Review Final Assessment Summary Reports

The Curriculum and Program Review Committee recommends:

That Academic Council approve the summary reports of the undergraduate program reviews outlined below.

Rationale

In accordance with UOIT's Quality Assurance Framework, the Committee reviewed the report and recommendations for the following program that underwent a cyclical review to ensure that they meet provincial quality assurance requirements and to support the program's ongoing rigour and coherence:

- Bachelor of Arts in Communication and Digital Media Studies

The review involves an examination, by both program faculty and staff and external reviewers, of the program's goals and requirements, its curriculum content, structure, modes of delivery, and assessment of student learning, and its use of available resources to support the program. The work has generated a valuable set of

documents that reflect a great deal of care and attention to the ongoing development and refinement of the program that best meets the needs of students and best represents the current state of the field of study. The Committee commends all faculty and staff who contributed to this program review for their important input into the process.

The attached executive summary provides an overview of the outcomes of the recommendations resulting from the program review, identifies particular strengths of the program as well as opportunities for improvement and enhancements, and outlines the agreed-upon implementation plan.

Also included is the 18-month follow-up report for the following program review:

- Bachelor of Science in Biological Science

3. Office of the Registrar

a. Academic Calendar Regulation Update

The Curriculum and Program Review Committee recommends:

That Academic Council approve the inclusion of Caribbean Advanced Proficiency Examinations (CAPE) in the secondary school advanced standing section of the Undergraduate Academic Calendar.

Rationale

This item was presented for information at the January 16, 2018 meeting of Academic Council and is now being brought forward for approval under the Academic Policy framework. The inclusion of CAPE formalizes a current practice done on a case-by-case basis and is in response to an increasing number of applicants from the Caribbean. This will allow UOIT to remain competitive with other Ontario universities offering advanced standing for CAPE examinations.

FOR INFORMATION

1. Faculties of Energy Systems and Nuclear Science and Engineering and Applied Science

a. Bachelor of Engineering in Nuclear Engineering – Minor Program Adjustment

CPRC approved the addition of ENGR 4460U: Nuclear Power Systems as a Core course for Nuclear Engineering and its corresponding Nuclear Engineering and Management program. This addition resulted in the removal of an Engineering Science Elective from year 4. In the process, the course prefix was also changed from ENGR to NUCL and prerequisites and credit restrictions were modified.