



CURRICULUM AND PROGRAM REVIEW COMMITTEE

Report to Academic Council
at its meeting of June 21, 2016

FOR ACTION

1. Faculty of Business and Information Technology

a. Bachelor of Commerce in Entrepreneurship – Addition of Pathway

The Curriculum and Program Review Committee recommends:

That Academic Council approve the new Pathway for the Bachelor of Commerce in Entrepreneurship program.

Rationale:

The Faculty of Business and IT (FBIT) proposes a new bridge program for the Bachelor of Commerce in Entrepreneurship available to students from the Durham College 2-year Entrepreneurship and Small Business Diploma. This program will provide students with the opportunity for a 2 + 2 diploma-to-degree pathway which is in line with UOIT's Strategic Mandate. The new bridge program will be administered in the same way as the existing bridge programs in FBIT. This is a simple integration of the Bachelor of Commerce bridge into another 2 year diploma and providing direct access to the new Entrepreneurship major to increase the attractiveness and accessibility of the program for students in Durham Region. There are no extra resources needed to add the pathway.

b. Bachelor of Commerce – Addition of Pathway

The Curriculum and Program Review Committee recommends:

That Academic Council approve the new Pathway for the Bachelor of Commerce program.

Rationale:

The Faculty of Business and IT propose a 2 year direct entry with bridging semester from the Durham College 2-year Operations Management Diploma (OPTU) similar to those already in existence for other Bachelor of Commerce majors. The 2-year diploma in Operations Management is currently one of the few diploma programs at Durham College without an embedded bridge option or a summer bridge with specific transfer credits, and there is demand from these students to have this opportunity in their program. This program will provide students with the opportunity for a 2 + 2 diploma-to-degree pathway which is in line with UOIT's strategic mandate. This is a simple integration of the BCom bridge into another 2 year diploma, providing direct access to the new Entrepreneurship major, Marketing Major, or HR Majors with a Minor in Operations Management in the BCom to increase the attractiveness and accessibility of the program for students in Durham Region.

2. Faculty of Science

a. Bachelor of Science in Computer Science – New specialization in Data Science

The Curriculum and Program Review Committee recommends:

That Academic Council approve the new Specialization in Data Science for the Bachelor of Science in Computer Science program.

Rationale:

The Faculty of Science proposes a new Data Science specialization in the Computer Science program. There has been an explosive growth in the amount of data that has been generated and made available to companies, governments and individuals. The term “Big Data” has been coined to address the incredible value of intelligent analysis of large volumes of data to support crucial business and economic decisions. Companies urgently need individuals capable of turning vast quantities of data. Individuals with this ability, often called *data scientists*, are highly sought after in a variety of industries, from healthcare to finance to business consultancy.

The undergraduate Bachelor of Science Computer Science program already offers a set of courses that are highly relevant to data scientists. These courses, for example, deal with data capture, archival, interaction, visualization and analysis. Data Science is inherently multi-disciplinary, straddling computer science, mathematics, statistics, plus other more domain specific fields, such as physics, chemistry and biology. The Faculty of Science with its breadth of scientific disciplines offers additional advantages for Data Science specialization. Students will not only develop fundamental computational skills for analyzing large volumes of data, they will also have the unique opportunity to gain domain-specific knowledge by focusing on one or more disciplines available within the faculty.

No changes to the admission requirements will be made to accommodate the proposed Data Science specialization. No new courses are being created as a part of the proposed specialization. The Faculty of Science expects that the proposed Data Science specialization will have no significant resource impact, since it uses courses that are already offered as a part of Computer Science Comprehensive program and Computer Science Digital Media specialization. The proposed specialized as outlined here does not require any new resources.

3. Faculty of Social Science and Humanities

a. Bachelor of Arts in Political Science – Program changes and Two new Specializations

The Curriculum and Program Review Committee recommends:

That Academic Council approve changes to the comprehensive program map and two new Specializations (Political Communication & Social Justice, Globalization and Development) for the Bachelor of Arts in Political Science program.

Rationale:

The Faculty of Social Science and Humanities is proposing changes to the program map in the Bachelor of Arts in Political Science that will require students to take 15 core Political Science courses. It allows for increased flexibility in electives that will allow for students to take a minor or double major in another program.

In addition, the Faculty are proposing two specializations that draw on courses from other SSH programs that complement those in Political Science. The first specialization in Political Communication includes courses in Communication and Digital Media Studies (CDMS) to complement the core Political Science courses and provide a relatively unique specialization for students in Ontario. The second specialization is in Social Justice, Globalization and Development (SJGD) and is innovative because it draws on courses in the Legal Studies and Criminology programs to allow students to focus on key policy problems related to social justice, globalization, and development through an interdisciplinary lens. Combining political science courses with courses in legal studies and criminology creates a unique specialization that will be particularly attractive to political science students who are interested in pursuing a career in law or a

related field. The specializations will allow for a cross-fertilization of ideas and learning among students in four SSH programs.

FOR INFORMATION

1. Faculty of Health Sciences

a. Bachelor of Health Science– Minor Program Adjustment

The program adjustment is to delete the course MLSC 2130U Foundations in Clinical Microbiology and Immunology and replace it with a new course Principles of Infection Prevention and Control in year two of the Public and Human Health specialization. This new course allows for foundation level material for the Public Health specialization and Human Health specialization for upper year core and elective courses that provide deeper Public Health disciplinary knowledge in this area.

b. Bachelor of Health Science in Kinesiology –Minor Program Adjustment

In December, changes to the Kinesiology Rehabilitation Specialization (CMCC pathway) to allow all first year Kinesiology students, regardless of specialization, to be eligible to apply were approved. An amendment needs to be made as in the original Minor Program Adjustment, the Faculty removed Chem 1010 and Chem 1020 as core for the Rehabilitation stream, however BIOL 1020 should have also been removed in order to enable Health and Wellness specialization students to be eligible as well.

c. Bachelor of Science in Nursing – Minor Program Adjustment

The Faculty of Health Science is re-aligning the course learning outcomes, content and evaluation processes in three courses and deleting a fourth course within the Bachelor of Science in Nursing. This will allow students to receive credit for NURS 1003 Foundations I which is currently a required course that they do not receive credit for. The redistributed learning outcomes and content will allow students to study concepts in-depth and to not have similar topics in several courses. Finally, this change reduces the course load of this crucial initial semester to five which is congruent with the rest of the program.

2. Faculty of Social Science and Humanities

a. Bachelor of Arts in Political Science Bridge Program – Minor Program Adjustment

The Bridge program completion requirements are being modified to suit the new Political Science (POSC) program map and program design. The change will allow students the flexibility of choosing one of the following courses: POSC 2000U Canadian Politics or POSC 2100U Global Politics instead of POSC 2502U Community Development Policy.