

## Minor Program Adjustment

<b>Faculty:</b> Science	<b>Date:</b> 18 November 2016
<b>Program:</b> BSc in Computer Science	
<b>Undergraduate:</b> <input checked="" type="checkbox"/>	<b>Graduate:</b> <input type="checkbox"/>

*Minor Program Adjustments include: New required courses, Deletion of required courses, Other changes to degree requirements or program learning outcomes, New academic requirements or changes to existing requirements.*

**Motion to CPRC:** That CPRC approve the revision to the admission requirements for the BSc in Computer Science, such that applicants will now be required to take any one of Physics (SPH4U), Calculus and Vectors (MCV4U), and Computer Science (ICS4U).

### Proposal Brief

#### Summary of the proposed change

We are proposing to revise the *admission requirements* for the Bachelor of Science (Honours) in Computer Science degree offered within the Faculty of Science. Specifically, Ontario secondary school students are currently required to take the following courses:

- English (ENG4U); and
- Advanced Functions (MHF4U).

Plus, any two of the following:

- Biology (SBI4U);
- Calculus and Vectors (MCV4U);
- Chemistry (SCH4U); and
- Physics (SPH4U).

We propose to revise the admission requirements as follows: students will still be required to take English (ENG4U) and Advanced Functions (MHF4U). However, now they only have to take one of the following three courses:

- Physics (SPH4U);
- Calculus and Vectors (MCV4U); and
- Computer Science (ICS4U).

#### Description of the ways in which the proposed change will enhance the program and/or opportunities for students

The need to include Grade 12 Computer Science course (ICS4U) as an option to get into a computer science program is somewhat obvious. Previously, ICS4U was not offered at many schools. That is changing and a large fraction of Ontario high-school students now have access to this course. It is time that we add this course as an option to get into our computer science undergraduate program.

Students' grades in this course are a good indicator for their aptitude in computer science. Therefore, the new admission requirements, we believe, will more accurately predict students' success in the computer science program. The proposed changes will bring admission requirements in line with the computer science first year program map, which focuses on programming, mathematics and physics. Moreover, the proposed changes to the admission requirements will bring these in line with Computer Science admission requirements at other universities in the area.

From a recruitment perspective, we believe that the new admission requirements will appear more attractive to prospective students.

**Process of consultation with other units if the change(s) involves students, staff, and/or faculty from other programs or courses**

This change has been discussed with Admissions.

**Analysis of financial and enrolment implications**

None.

**Proposed Implementation Date**

Fall 2017

**Transition Plan**

As we are currently mid-admission cycle, Fall 2017 admissions will be based for each individual applicant on either the new or old requirements using a manual process. Although print recruitment documents will reflect the old admissions requirements, the Admissions website will be changed to reflect the new requirements.

**Calendar Copy and/or Program Maps (highlight revisions to existing curriculum)**

*Please see below revised Calendar copy.*

**APPROVAL DATES**

Curriculum Committee approval	November 2016
Faculty Council approval	December 2016
CPRC Approval	
Submission to Academic Council	

**Current Entry:**

*Current Ontario secondary school students must complete the Ontario Secondary School Diploma (OSSD) with six 4U or 4M credits including English (ENG4U), Advanced Functions (MHF4U), and two of Biology (SBI4U), Calculus and Vectors (MCV4U), Chemistry (SCH4U) or Physics (SPH4U). In addition, a combined minimum 70 per cent average in prerequisite math and science courses is required. It is recommended that all four MCV4U, SBI4U, SCH4U and SPH4U be taken.*

**Revised Entry:**

*Current Ontario secondary school students must complete the Ontario Secondary School Diploma (OSSD) with six 4U or 4M credits including English (ENG4U), Advanced Functions (MHF4U), and one of Computer Science (ICS4U), Calculus and Vectors (MCV4U) or Physics (SPH4U). In addition, a combined minimum 70 per cent average in prerequisite computer science, math and science courses is required. It is recommended that all three ICS4U, MCV4U, and SPH4U be taken.*