FINAL ASSESSMENT REPORT
March 2017
Bachelor of Science in Computing Science
18-Month Follow-Up
Dean: Dr. Greg Crawford

Under UOIT's Quality Assurance Framework, all degree programs are subject to a comprehensive review every eight years to ensure that they continue to meet provincial quality assurance requirements and to support their ongoing rigour and coherence. Program reviews involve several stages, including:

1. A comprehensive and analytical self-study brief developed by members of the program under review.
2. A site visit by academic experts who are external to and arm's length from the program who prepare a report and recommendations on ways that it may be improved based on a review of the program's self-study and supporting material, and a two day site visit involving discussions with faculty, staff and students and a tour of the facilities.
3. Development of a plan for improvement by the program and proposed timelines for implementation.

All programs that undergo a review must provide a report eighteen months after the completion of the review to gather information on the progress that has been made implementing the agreed upon plans for improvement.

In 2013-2014 a program review was scheduled for the Bachelor of Science in Computing Science. The Faculty has submitted to the Provost's Office a comprehensive chart outlining the achievements they have made made relative to the action plans resulting from the review. A summary of these achievements is provided below. The summary report is reviewed by the appropriate standing committee of Academic Council, and is subsequently reported to Academic Council, the Board of Governors and the Quality Council.

The program review site-visit for the Bachelor of Science in Computing Science was completed September 25-26, 2014. Since that time, the Faculty made significant progress in implementing the plan of action from the program review.

Course change for first year CS curriculum Fall 2015
There is a revised first year undergraduate CS curriculum as of 2015/16. The Faculty will closely monitoring the changes with particular emphasis on the effects these changes have on student retention, GPA, and learning outcomes.

New course development for CS, software engineering and gaming students

Three new upper-year courses were created for Computing Science (CS): Computer Vision, Big Data, and Multi-Core Programming. These courses significantly increase the number of elective courses that CS students can take. These courses are also available to students in other programs.

Incorporate Engineering and FBIT courses as CS electives
Starting 2016/17, we plan to share four courses with SOFE. Two of these courses (Computer Networks and Operating Systems) will be offered by SOFE for CS students; whereas, the other two (Mobile Devices and HCI) will be offered by us for SOFE students. We are closely monitoring the Computer Networks and Operating Systems courses to ensure that these meet the needs of CS students. Similarly, we are cognizant of the needs of software engineering students, since we are offering Mobile Devices and HCI courses for them. SOFE courses on Distributed Systems and Artificial Intelligence are also available as electives to CS students.

Space issue and break-out space for students
The undergraduate CS lab will be moved to a larger room during the summer of 2016.

Visiting local high schools
The Faculty is in the process of compiling CS educational modules suitable for high-school students and plan to visit a number high-affinity schools in the near future. On 21 May 2015, the Faculty hosted a York Region School Board CS teacher visitation and plan to hold similar events in the future.

Faculty mentorship program
Starting 2015/16, there are two undergraduate CS social events, plus a number of lab tour events aimed at upper year CS students. The idea is to use these events as an interaction and learning opportunity for students. The Faculty is also part of a university-wide faculty mentorship program aimed at junior teaching-only and tenure-track faculty members.

Study the feasibility of raising the admission standard
Reviewed with the registrar's office the correlations between admission grades and graduating GPAs. After this exercise, the Faculty does not plan to raise admission grades at the present time.

Next Scheduled Program Review: 2020-2021