

ACADEMIC COUNCIL REPORT

ACTION REQUESTED:

Recommendation
Decision
Discussion/Direction
Information

DATE: 26 February 2019

FROM: Faculty of Science

**SUBJECT: New Program Proposal – Bachelor of Science in Integrative
Neuroscience**

COMMITTEE MANDATE:

The Curriculum and Program Review Committee (CPRC) reviewed the New Program Proposal in accordance with its mandate under Section III, Part 1 of the CPRC Terms of Reference and recommends approval of the Bachelor of Science in Integrative Neuroscience, as presented.

MOTION FOR CONSIDERATION:

That, pursuant to the recommendation from CPRC, Academic Council hereby recommend the Bachelor of Science (Honours) in Integrative Neuroscience for approval by the Board of Governors.

BACKGROUND/CONTEXT & RATIONALE:

The proposed Integrative Neuroscience program emphasizes an interdisciplinary approach to the study of neuroscience, with a goal to understand the function of the nervous system at the molecular, structural, behavioural, and cognitive levels. The Faculties of Science, Health Science, and Social Science and Humanities will jointly offer the program which will be housed in the Faculty of Science. The proposed program will provide a unique offering relative to other universities and follows the UOIT approach in the development of all science programs, which provides basic foundational knowledge in all the core science disciplines. This ensures UOIT science graduates are prepared for the future evolution of both their discipline and their scientific workplace.

RESOURCES REQUIRED:

One new course will have to be developed. Since this program draws on the existing expertise in Neuroscience at UOIT, no new faculty members are required for this program and the majority of courses in the program will be taught by non-sessional faculty including the core science, biology, and neuroscience courses. The current courses offered have the capacity to absorb the

projected student enrollments. Marginal increases required include teaching assistantships in the laboratories and tutorials, and increased administrative and faculty supervisory workload resulting from thesis supervisions. There are three courses offered by the Faculty of Health Science that offer a lab component that will require additional resources to accommodate an increase in enrollment starting in 2022. To accommodate increased undergraduate Science program enrolments and to accommodate an increase number of students in the HLSC course that have associated labs, additional lab sections will become available. Current teaching laboratory space could accommodate 30 net new students per year.

No significant increased resource requirements are anticipated in terms of library holdings, information technology support and student services, and special equipment. Direct costs will be mainly an instructor and additional TA time. It is estimated that the only financial needs will be the creation of the new course and additional lab and tutorial sections to accommodate the new students.

CONSULTATION AND APPROVAL:

Curriculum and Program Review Committee Recommendation: January 18, 2019

Curriculum and Program Review Committee Consultation: December 21st, 2018

Final Faculty Council Approval: December 4th, 2018

External Review Site Visit: November 4th and 6th, 2018

Program Development and Faculty Consultation: 2017-2018

NEXT STEPS:

- The proposal must proceed through the following approval steps subsequent to the recommendation by Academic Council:
 - Board of Governors
 - Ontario Universities Council on Quality Assurance
 - Ministry of Training, Colleges, and Universities
- The expected date of implementation is the fall semester of 2020

SUPPORTING REFERENCE MATERIALS:

- New Program Proposal with Appendices - PDF Page 3
- External Reviewer's Report - PDF Page 427
- Response to External Reviewer's Report - PDF Page 437