



## CURRICULUM AND PROGRAM REVIEW COMMITTEE

Report to Academic Council  
at its meeting of November 20, 2012

### FOR ACTION

#### 1. Bachelor of Science in Forensic Science– New Specializations in Forensic Biology, Forensic Chemistry, Forensic Physics, and Forensic Psychology

The Curriculum and Program Review Committee recommends:

*That Academic Council approve the new specializations in Forensic Biology, Forensic Chemistry, Forensic Physics, and Forensic Psychology in the Bachelor of Science, Forensic Science program.*

The Faculty of Science has put forward a proposal to create four specializations in the Bachelor of Science in Forensic Science Program. These proposed changes are the result of consultation with industry experts through the Forensic Science Advisory Committee. These specializations are designed to strengthen the program, and place the UOIT Forensic Science program in line with existing accredited forensic science programs at some of the top universities. In addition, the new specializations will support the existing programs in the Faculty of Sciences as well as create greater links with the Bachelor of Arts in Forensic Psychology offered in the Faculty of Social Science and Humanities. The Faculty is currently in the process of applying for accreditation through the Forensic Science Education Programs Accreditation Commission (FEPAC). The proposed program maps still fall under the guidelines for FEPAC. The detailed proposal is attached as Appendix A.

#### 2. Bachelor of Science in Physics – New Specialization in Astrophysics

The Curriculum and Program Review Committee recommends:

*That Academic Council approve the new specialization in Astrophysics in the Bachelor of Science, Physics program.*

The Faculty of Science has put forward a proposal to create a new specialization in Astrophysics for the Bachelor of Science in Physics Program. This proposal is part of the Strategic Planning efforts within Physics to make better use of existing resources, better align the program with the Strategic Plan of the Faculty of Science, and to grow program enrolment. Astrophysics is a very popular field of physics, and faculty are often asked at recruiting events about such a specialization at UOIT. It is expected that enrolment in the Physics program will almost double with the introduction of this specialization. Furthermore, as astronomy is part of the grade nine curriculum in Ontario, the new courses created would also appeal to Concurrent Education students. This specialization also fits well with the current knowledge and expertise of faculty within the Faculty of Science. The detailed proposal is attached as Appendix B.

#### 3. Bachelor of Science in Physics – Removal of Specializations in Medical Physics and Forensic Physics

The Curriculum and Program Review Committee recommends:

*That Academic Council approve the removal of the Medical Physics and Forensic Physics specializations in the Bachelor of Science, Physics program.*

The Faculty of Science has put forward a proposal to remove two Physics specializations from the academic calendar for September 2013. These two specializations have had limited enrolment and the new specializations being introduced to the Forensic Science and Physics programs above will better serve the needs of students. The detailed proposal is attached as Appendix C.

#### **4. Bachelor of Information Technology – Majors in Networking and IT Security and Game Development and Entrepreneurship**

The Curriculum and Program Review Committee recommends:

*That Academic Council approve the renaming of specializations in Networking and IT Security and Game Development and Entrepreneurship to Majors in Networking and IT Security and Game Development and Entrepreneurship*

The Faculty of Business and Information Technology has put forward a proposal to rename two specializations within the Bachelor of Information Technology to Majors. The program will not change in anyway. Students already have at least 30 credit hours in either Networking or IT Security or Game Development and Entrepreneurship. The name change is being proposed to allow the Faculty to create minors within the program as under the UOIT program taxonomy minors cannot be created under a specialization, only under majors. The detailed proposal is attached as Appendix D.

#### **5. Bachelor of Information Technology, Networking and IT Security – New Minors in Operations Management and Management**

The Curriculum and Program Review Committee recommends:

*That Academic Council approve the creation of two new minors in Operations Management and Management to the Bachelor of Information Technology in Networking and IT Security.*

Subsequent to the motion above, the Faculty of Business and Information Technology has put forward a proposal to create two new minors in the Networking and IT Security program. The addition of the Operations Management and Management minors will provide more options for the current students. This will enable additional integration of business concepts within the IT programs. No new courses are required as the minors use courses currently offered to Commerce students as electives. They are being proposed as minors and not specializations as the course sets are general courses that would form a minor applicable to many different majors and does not have a specialized focus on IT applications. Given the capacity of the Faculty at this time, the minors are only being opened to BIT students, but it is expected that the operations management minor will be available to other programs in the future. The detailed proposal is attached as Appendix E.

#### **6. Bachelor of Information Technology, Networking and IT Security (Bridge) – New 3 course bridging option**

The Curriculum and Program Review Committee recommends:

*That Academic Council approve the new three course bridging option for the Bachelor of Information Technology, Networking and IT Security program.*

The Faculty of Business and Information Technology has put forward a proposal to create a new version of the bridge pathway for 3-year diploma students in an information and communication technology discipline. This reflects the greater breadth of knowledge that these students have compared to students with only a 2-year diploma in similar fields. This change is in line with new provincial standards being developed for IT programs. The overview of the program is exactly the same as the existing program, the only difference is to credit two elective courses for students with a 3-year diploma for the additional year of college courses. The detailed proposal is attached as Appendix F.

## FOR INFORMATION

### 7. Changes to courses and program requirements

The Committee notes for information the following changes that have been made to undergraduate courses and program requirements for implementation in 2012-13:

- a) Bachelor of Science – New non-laboratory option for 1<sup>st</sup> year non-biology and non-chemistry students (BIOL 1011 and BIOL 1021)
- b) Bachelor of Engineering (FEAS) – The creation of two new courses (ENGR 1015U and ENGR 1025U) and removal of ENVS 1000U and ENGR 1400U to create a common first year.
- c) Bachelor of Engineering (FEAS) – The amalgamation of Automotive, Manufacturing and Mechanical Engineering design courses to create ENGR 4950U and ENGR 4951
- d) Bachelor of Engineering (FEAS) – The changing of ENGR course codes to program specific codes
- e) Bachelor of Commerce (Bridge) – Replace BUSI 1916U in the bridge with BUSI 1915U, and move BUSI 1916U to the post-bridge program map.
- f) Bachelor of Information Technology, Networking and IT Security – Changes to course sequencing.
- g) Bachelor of Information Technology, Networking and IT Security (Bridge) – Change title to IT Security, removing networking to better reflect the nature of the program. Changes to course sequencing; addition of BUSI 1600, BUSI 2250, BUSI 2210, BUSI 3120, INFR 4599 and a technical elective; removal of BUSI 1700, BUSI 2205, INFR 3850 and 3 general electives.
- h) Bachelor of Information Technology, Networking and IT Security (Direct Entry Pathway) – Changes to course sequencing; addition of BUSI 2000, BUSI 2550, BUSI 2210; removal of BUSI 2205, and 2 general electives.
- i) Bachelor of Information Technology, Game Development and Entrepreneurship (Bridge) – Changes to course sequencing.
- j) Bachelor of Education – Changes to elective (EDUC 3440U)
- k) Bachelor of Adult Education and Digital Technology – Changes to course title and course description for AEDT 3130U.