UNIVERSITY OF ONTARIO INSTITUTE OF TECHNOLOGY

CURRICULUM AND PROGRAM REVIEW COMMITTEE

Report to Academic Council
at its meeting of January 20, 2015

For Action

1. **Bachelor of Engineering in Electrical Engineering—New Specialization in Smart Grid**

   The Curriculum and Program Review Committee recommends:

   That Academic Council approve the new specialization in Smart Grid in the Bachelor of Engineering in Electrical Engineering program.

   Rationale

   The Faculty of Engineering and Applied Science has put forward a proposal to add a specialization to the Bachelor of Engineering in Electrical Engineering program. The proposed specialization will meet growing student demand as well as be in-line with the Strategic Management Agreement regarding the Energy area of strength and growth. The detailed proposal is attached as Appendix A.

2. **Bachelor of Science in Computing Science—Removal of Digital Media Minor**

   The Curriculum and Program Review Committee recommends:

   That Academic Council approve the removal of the Digital Media Minor in the Bachelor of Science in Computing Science program.

   Rationale

   The Faculty of Science has put forth a proposal to remove the Digital Media minor from the Bachelor of Science in Computing Science program. There has been no student enrollment in the Digital Media Minor in three years. The detailed proposal is attached as Appendix B.

3. **Bachelor of Commerce—New Minor in Operations and Supply Change Management**

   The Curriculum and Program Review Committee recommends:

   That Academic Council approve the new minor in Operations and Supply Chain Management in the Bachelor of Commerce program.

   Rationale

   The Faculty of Business and Information Technology has put forth a proposal to add an Operations and Supply Chain Management minor to the Bachelor of Commerce program. This minor already exists for Bachelor of Information Technology students. A new minor in this area

will help current Commerce students explore and study aspects of operations and supply chain management. This new minor will also support students in preparing to complete their MBA in the supply chain and logistics field offered at UOIT. The detailed proposal is attached as Appendix C.

4. **Bachelor of Arts in Communication—New GASC Pathway**

   The Curriculum and Program Review Committee recommends:

   > *That Academic Council approve the new GASC Pathway into the Bachelor of Arts in Communication program.*

   ### Rationale

   The Faculty of Social Science and Humanities has put forth a proposal for a new pathway between the Durham College Diploma in General Arts and Science (GASC) program and the Bachelor of Arts in Communication program at UOIT. Originally, the communication program was not considered for the pathway because it did not have a common first year. Now that Year One is common to all students within the Faculty, the Faculty believes the communication program should be included in this pathway. The detailed proposal is attached as Appendix D.

5. **Bachelor of Arts in Communication—New Pathway with media-relevant college programs**

   The Curriculum and Program Review Committee recommends:

   > *That Academic Council approve the New Pathway with media-relevant college programs into the Bachelor of Arts in Communication program.*

   ### Rationale

   The Faculty of Social Science and Humanities has submitted a proposal to create a new pathway between the Bachelor of Arts in Communication and relevant media programs at Durham College. This new pathway program will be available to students from the following communication and media-relevant college programs: Journalism, Media, Broadcasting and Advertising and Marketing. The detailed proposal is attached as Appendix E.

6. **Bachelor of Arts in Community Development and Policy Studies—New College Pathway and Bridge**

   The Curriculum and Program Review Committee recommends:

   > *That Academic Council approve the New Pathway and Bridge program in the Bachelor of Arts in Community Development and Policy Studies program.*

   ### Rationale

   The Faculty of Social Sciences and Humanities has put forth a proposal for a new pathway and bridge program for Durham College students to enter the second year of the Bachelor of Arts in Community Development and Policy Studies program. This pathway would extend to graduates of one-year programs with substantial policy, politics, and community development components such as, but not limited to, Community Services and Child Foundations. In addition,

the faculty is introducing a bridge program for college graduates of relevant two or three-year programs. The detailed proposal is attached as Appendix F.

7. **Bachelor of Health Science in Medical Laboratory Science—New Pathway from Advanced Diploma in Biotechnology**

The Curriculum and Program Review Committee recommends:

> *That Academic Council approve the new Pathway into the Bachelor of Health Science in Medical Laboratory Science program.*

Rationale

The Faculty of Health Science is proposing a new Pathway for Durham and Fleming college students who have earned an advanced diploma in Biotechnology to enter the Bachelor of Health Science in Medical Laboratory Science program. The detailed proposal is attached as Appendix G.

For Information

8. **Canadian as a Second Language Institute Inc. (CSLI)**

CPRC approved the completion of CSLI's Advanced English (EAP) Program at Level 7 as acceptable standards of language proficiency for consideration for admission to UOIT undergraduate programs. The committee requested a report on retention rates of students using these programs be provided in January 2017.

9. **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 2014-15:

a) Bachelor of Engineering in Electrical Engineering—Changes to program map, changes to course titles, changes to course numbers, changes to course prerequisites, changes to course descriptions, changes to course tutorials, add MECE 2640U Thermodynamic and Heat Transfer and ELEE 4150U Advanced Control Systems, remove SOFE 4650U Computer Networks.

b) Bachelor of Engineering in Software Engineering—Changes to program map, changes to course descriptions, changes to course prerequisites, changes to course contact hours, changes to course numbers, changes to course codes, changes to course tutorials, add ELEE 2790U Electrical Circuits, SOFE 2800U Web Programming, SOFE 3200U Systems Programming and SOFE 4590U Embedded Systems, SOFE 4840U Software and Computer Security, remove ELEE 2200U Electrical Engineering Fundamentals, ELEE 2250U Introductory Electronics, MATH 2860U Differential Equations, SOFE 3960U Programming Languages and Compilers, SOFE 4830U Real Time Systems and Control

c) Bachelor of Engineering in Automotive Engineering—Changes to program map, changes to course description, changes to contact hours, add MANE 3120U Thermo-Mechanical Processing of Materials, remove MECE 3320U Fluid Power Systems, .

d) Bachelor of Engineering in Mechanical Engineering—Changes to program maps, changes to course description, changes to contact hours, replace MECE 4250U Advanced Engineering materials with an Engineering elective, add MANE 3120U Thermo-Mechanical Processing of Materials.

e) Bachelor of Engineering in Manufacturing Engineering—Changes to program map, changes to course description, changes to contact hours, add MANE 4110U Design for Manufacturing.

f) Bachelor of Science in Biological Science: Pharmaceutical Biotechnology and Environmental Toxicology Specializations—Replace BIOL 3050U Developmental Biology with BIOL 3051U Developmental Biology (lecture only), add BIOL 4052 Advanced Developmental Biology Laboratory.

g) Bachelor of Science in Biological Science-Complementary Studies— Replace BIOL 3050U Developmental Biology with BIOL 3051U Developmental Biology (lecture only).

h) Bachelor of Science in Computing Science—Changes to program map, changes to course title, changes to course codes, changes to course co-requisites, changes to course prerequisites, remove BIOL 1010 Biology I, CHEM 1010U Chemistry I, CSCI 3010U Simulation and Modelling (replaced by CSCI elective), add CSCI 1061U Programming Workshop II.

i) Bachelor of Science in Applied and Industrial Mathematics—Change to course title, change to prerequisites, remove core course CSCI 1030U Introduction to Computer Science with C++ and replace with CSCI 1040U Introduction to Programming for Scientists.

j) Bachelor of Science in Physics— Change to course title, change to prerequisites, remove core course CSCI 1030U Introduction to Computer Science with C++ and replace with CSCI 1040U Introduction to Programming for Scientists.

k) Bachelor of Commerce-Organizational Development and Human Resource Management major—Change to Admission Requirements.

l) Bachelor of Arts in Communication—Changes to program map, changes to course title, add SSCI 1920U Writing for the Social Sciences.

m) Bachelor of Arts in Communication Bridge Program—Remove final core course option and replace with COMM 1420U Living Digitally

n) Bachelor of Arts in Legal Studies-Alternative Dispute Resolution (ADR) and ADR minor— Changes to program maps, remove core course SSCI 4032U Theory and Practice of Mediation, and replace with an elective.

o) Bachelor of Education—Changes to 16 month Education program—Remove EDUC Mathematics for Educators, EDUC Curriculum Theory and Planning, EDUC Long Range Planning and Assessment, add EDUC Mathematical Thinking and Doing: P/J, EDUC Mathematical Thinking and Doing: I/S, EDUC P/J STEM III: Coding and Communication and EDUC I/S STEM: Coding and Communication.

10. Annual Reports of Faculty Councils for 2014

The Committee received for information the annual reports from Faculty Councils summarizing undergraduate curricular changes made during the 2014 calendar year.