



## MEMORANDUM

**To:** Executive Committee of Faculty Council

**From:** Dr. Graeme Norval  
Chair, Undergraduate Curriculum Committee

**Date:** November 4, 2013 for December 11, 2013 Faculty Council Meeting

**Re:** **Proposed Undergraduate Academic Certificate in Engineering Leadership**

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## REPORT CLASSIFICATION

This is a major policy matter that will be considered by the Executive Committee for endorsing and forwarding to Faculty Council for vote as a regular motion (requiring a simple majority of members present and voting to carry).

## BACKGROUND

An Engineering Leadership Certificate is being proposed. It will require considerable personal commitment equivalent to three courses, or half a minor. Successful completion of the certificate will appear on the student's academic record.

It is proposed that any three of the courses listed below would constitute the certificate; a number of these are new courses.

There are presently two leadership courses offered to undergraduate students: APS442: The Cognitive and Psychological Foundations of Effective Leadership taught by Professor Robin Sacks; and APS443: Leading and Leadership for Groups and Organizations taught by Professor Doug Reeve. The latter will be modified to become the new course, Foundations of Engineering Leadership.

All of the courses below are also eligible electives for the Engineering Business Minor. As with other minor/certificate course overlap, students will only be able to count any given course towards two credentials (i.e., degree and one minor or certificate).

## **STRUCTURE**

### **Certificate Requirements**

Students in the Engineering Leadership Certificate must successfully complete a minimum of three (3) 1-semester courses from the list outlined below.

APS334H	Foundations of Engineering Leadership (formerly APS443H) (CS)
APS442H	The Cognitive and Psychological Foundations of Effective Leadership (existing course) (CS)
APS444H (1)	Positive Psychology for Engineers (HSS)
APS445H (2)	The Power of Story: Discovering your Leadership Narrative (HSS)

Additional courses may be added as they are developed.

### **PROCESS AND CONSULTATION**

The Undergraduate Curriculum Committee is composed of representatives from each program; the Vice-Dean, Undergraduate Studies; the Chair, First Year; the Associate Dean, Cross-Disciplinary Programs; and the Registrar's Office. The Committee meets regularly, and reviews changes to the curriculum.

### **PROPOSAL/MOTION**

THAT the Undergraduate Academic Certificate in Engineering Leadership be approved and introduced in the 2014-2015 academic year.