



## **MEMORANDUM**

**To:** Executive Committee of Faculty Council (February 5, 2019)  
Faculty Council (February 27, 2019)

**From:** Professor Bryan Karney  
Associate Dean, Cross-Disciplinary Programs

**Date:** January 25, 2019

**Re:** Inclusion of the Undergraduate Certificate in Global Engineering in the U of T  
Global Scholar Program

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## **REPORT CLASSIFICATION**

This is a routine or minor policy matter that will be considered by the Executive Committee for approving and forwarding to Faculty Council for information.

## **BACKGROUND**

The University of Toronto Global U Working Group was created last spring through the Office of the Vice-President, International. It has been working towards a number of global-focused certificate and emphasis programs for students across U of T to achieve recognition on their transcript as U of T Global Scholars.

The Faculty's existing undergraduate Certificate in Global Engineering, offered through the Cross-Disciplinary Programs Office, was immediately recognized as being an appropriate program for inclusion in this initiative.

## **PROPOSED CHANGES**

In order to add this certificate program to the Global Scholars program, the title of the certificate in the calendar entry and the notation on students' transcript will now read "Certificate in Global Engineering (U of T Global Scholar)". Revised calendar entry is shown below.

## **CONSULTATION**

The title and transcript notation changes were discussed and approved by the Undergraduate Curriculum Committee.

## CALENDAR ENTRY

The calendar entry for the Certificate will now read as follows:

### Course Requirements for the Certificate in Global Engineering (U of T Global Scholar)

The Undergraduate Certificate in Global Engineering is open to Engineering students interested in developing their knowledge of global issues and how engineers can influence and improve conditions around the world. The courses focus on a variety of concepts such as effects of emerging technologies in both developed and developing economies, global energy systems, innovative finance techniques, current theories in international development and foreign aid. All undergraduate Engineering students are eligible to participate in this minor course of study. **Students who complete the requirements of the Certificate in Global Engineering are considered University of Toronto Global Scholars.**

The requirements for a Global Engineering Certificate in the Faculty of Applied Science and Engineering are the successful completion of the following courses:

1 Two of:

APS299Y0 Y - Summer Research Abroad

APS510H1 F - Technologies and Organizations in Global Energy Systems (CS elective)

APS420H1 S - Technology, Engineering and Global Development (HSS elective)

APS530H1 S - Appropriate Technology & Design for Global Development

Global Engineering themed capstone (APS490Y, ECE496Y, MIE490Y, MIE491Y, CIV498H) as approved by the Director of the Centre for Global Engineering

2 One elective from the following courses:

ANT204H1 - Anthropology of the Contemporary World

ENV333H1 - Ecological Worldviews

GGR112H1 - Geographies of Globalization, Development and Inequality (HSS Elective)

JGI216H1 - Urbanization & Global Change

POL201Y1 - Politics of Development: Issues and Controversies

POL208Y1 - Introduction to International Relations

CDN268H1 - Canada and Globalization

## PROPOSAL/MOTION

For information.