CARLETON UNIVERSITY COMMITTEE ON QUALITY ASSURANCE
Cyclical Review of the undergraduate programs in Communications Engineering

Executive Summary

This Executive Summary and Final Assessment Report of the cyclical review of Carleton's undergraduate programs in Communications Engineering are provided pursuant to the provincial Quality Assurance Framework and Carleton's Institutional Quality Assurance Process (IQAP).

EXECUTIVE SUMMARY

The undergraduate programs in Communications Engineering reside in the Department of Systems and Computer Engineering.

A cyclical review of these programs was completed in conjunction with the accreditation review process undertaken by the CEAB.

As a result of the review, the programs were categorised by the SQAPC as being of **GOOD QUALITY**. (Carleton's IQAP 7.2.12).

The Report of the Visiting Team offered a very positive assessment of the programs. Within the context of this positive assessment, the report nonetheless made a number of recommendations for the continuing enhancement of the programs. These recommendations were productively addressed by the unit Director, and Dean of the Faculty of Engineering and Design in a Unit Response and Action Plan that was submitted to SQAPC May 7, 2020.

Action Plan Communications Engineering Undergraduate Programs May 21 2020				
External Reviewer Recommendation & Categorization **Note: Definitions from CEAB Accreditation Standards:** **Concern: Criterion satisfied; potential exists for non-satisfaction in near future.** **Weakness: Criterion satisfied; insufficient strength of compliance to assure quality of program will be maintained.** **Deficiency: Criterion not satisfied.**	**Action Item**	**Owner**	**Timeline**	**Will the action described require calendar changes? (Y or N)**
1. *Weakness. The process described is well designed but documentation and formality of the process is lacking. Communications Engineering lacks a defined process to link graduate attribute results to improvement actions. (Criterion 3.2.1)*	*None*	*The Department of Systems and Computer Engineering*	*N/A*	*N*
2. *Weakness: The program has not addressed an observation from the previous visit that exposure to other disciplines is limited. This is a repeat finding. (Criterion 3.4.4.2)*	*The new core curriculum includes ECOR 1056 Introduction to Engineering*	*Faculty of Engineering and Design*	*New program is effective in Fall 2019*	*Y*

	Disciplines II, which presents specific topics in all engineering disciplines offered by the faculty			
3. *Weakness: Undergraduate students indicated that the overwhelming majority of lab work consisted of simulations and more hands-on practical work was needed. (criterion 3.4.7)*	*None*	*The Department of Systems and Computer Engineering*	*N/A*	*N*
4. *Weakness: Laboratories were equipped with only the most basic tools and test equipment (e.g., computer stations, signal generators, oscilloscopes and power supplies). (criterion 3.5.1.2)*	*None*	*The Department of Systems and Computer Engineering*	*N/A*	*N*