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

Executive Summary

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

EXECUTIVE SUMMARY

The undergraduate programs in Computer Systems 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 Computer Systems 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. Sufficient exposure to appropriate elements of discrete mathematics does not appear to be present in the curriculum. The numerical methods course is an elective. (Criterion 3.4.3.1)*	*The course ECOR 2606 – Numerical methods was added as a required course, instead of being an elective in the final year. The change is effective beginning 2016.*	*Department of Systems and Computer Engineering*	*Changes effective in 2016*	*Y*