

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

Executive Summary

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

EXECUTIVE SUMMARY

The undergraduate programs in Engineering Physics reside in the Department of Electronics.

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.

**Engineering Physics
Undergraduate Programs**

May 21 2020

<p align="center">External Reviewer Recommendation & Categorization</p> <p>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.</p>	<p align="center">Action Item</p>	<p align="center">Owner</p>	<p align="center">Timeline</p>	<p align="center">Will the action described require calendar changes? (Y or N)</p>
<p>1. <i>Weakness: Exposure to other engineering disciplines is minimal. (Criterion 3.4.4.2)</i></p>	<p><i>The first year engineering core has been modified to address this issue</i></p>	<p><i>Faculty and units</i></p>	<p><i>Implemented fall 2019</i></p>	<p><i>Y</i></p>
<p>2. <i>Weakness: There is insufficient coverage of safety. Scheduling Engineering Economics in fourth year may limit the ability of students to apply this content to work term experiences and the capstone design experience. (Criterion 3.4.5)</i></p>	<p><i>These are two separate issues. Emphasis on safety in labs and capstone project has been increased. Engineering Economics has moved</i></p>	<p><i>Unit</i></p>	<p><i>Implemented for fall 2019 entry</i></p>	<p><i>Y</i></p>

	<i>to 3rd year in all programs.</i>			
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