

CARLETON UNIVERSITY COMMITTEE ON QUALITY ASSURANCE

Cyclical Review of the Master's Program in Technology Innovation Management Executive Summary and Final Assessment

This Executive Summary and Final Assessment Report of the cyclical review of Carleton's Master's Program in Technology Innovation Management are provided pursuant to articles 4.2.5-4.2.6 of the provincial Quality Assurance Framework and articles 5.1.9.23-24 and 5.1.9.26-27 of Carleton's Institutional Quality Assurance Process (IQAP)

EXECUTIVE SUMMARY

The Master's Program in Technology Innovation Management (TIM) resides in Carleton University's Institute of Technology Entrepreneurship and Commercialization, a unit co-administered by the Faculty of Engineering and Design and the Sprott School of Business. As a consequence of the review, the program was categorised by the Carleton University Committee on Quality Assurance (CUCQA) as being of **GOOD QUALITY** (Carleton's IQAP 5.1.9.12).

The external reviewers' report, submitted on 27th February 2014, offered a positive assessment of the program. The reviewers noted that 'the TIM program is a unique, desirable and appropriate educational offering by Carleton University.' They observed that 'the thematic area of the program – technological innovation – and its aspirations to foster entrepreneurship in this area clearly fit with the strategy of the University in terms of teaching, research and engagement... It could be the basis of a learning experience that is adapted and scaled out to promote and attain entrepreneurship in many different parts and levels of the University.'

The external review committee added that 'the program has a high level of resource self-sufficiency, in that it seems to have a successful track record in securing a range of different government grants and private donations to support the students and the teaching and experiential activities in the program.' Student funding, in particular, was identified by reviewers as being 'very generous.' Not surprisingly, the students interviewed by the review committee 'were very passionate, positive and supportive of the program and its faculty.'

Within the context of this positive assessment, the report nonetheless made several recommendations for the continuing enhancement of the program. These recommendations were accepted by the Director of the program and the relevant Deans in a response to the report of the External Review that was received by CUCQA on 23 April 2014.

The Action Plan was written through a rigorous and lengthy iterative process which sought to achieve strategic alignment between the reviewers' recommendations and the program's long-term aspirations. On January 13th, 2016 CUCQA received and approved the final version of the Action Plan detailing how these recommendations will be addressed within the broader vision of the program. Given the time that elapsed between the submission of the external reviewers' report and the completion of the Action Plan, many actions undertaken in response to the reviewers' recommendations have already been completed. The recommendations and the actions to be taken are detailed in the Action Plan.

Action Plan for the Technology Innovation Management Program

December 14, 2015

1. Action Plan

The following Action Plan is crafted to address the recommendations of the External Reviewers and subsequent feedback from the Carleton University Committee on Quality Assurance.

ACTION	RESPONSIBILITY	TIMELINE
1. Measure Program Outcomes	TIM Director	April 2016
2. Counsel and Advise Faculty on Publishing	TIM Director/Deans	Completed
3. Establish a new M. Entrepreneurship Technology Innovation Management degree	TIM Director/Deans	September 2016
4. Clarify the status of ITEC	Deans of Sprott, FED and FGPA	Completed
5. TIM Director Member of Graduate Faculty Board	Dean, Faculty of Graduate and Postdoctoral Affairs	Completed

1. Measure TIM program outcomes

The first action is to establish and operate a system to measure TIM program outcomes, direct and indirect, by April 2016. The Director of the TIM program will be responsible for establishing

the system and the Administrator of the TIM program will be responsible for operating it in consultation with the Sprott Quality and Accreditation Officer.

2. Counsel and Advise Faculty on Publishing

The Dean of Sprott meets regularly with all Sprott Faculty, including those teaching in the TIM program and all are advised on the need to publish in a variety of high quality outlets.

3. Establish a new M. Entrepreneurship Technology Innovation Management degree

The third action is to introduce a major change to the Technology Innovation Management program for the purpose of delivering the M. Entrepreneurship Technology Innovation Management (M. Entrepreneurship) degree.

4. Clarify the status of ITEC

ITEC currently serves as the governing body for the Master's programs in Technology Innovation Management. It consists of the Deans of FED, Sprott and FGPA, the Director of the TIM Programs and one additional faculty member teaching in the program. On curriculum matters, this body reports directly to the Graduate Faculty Board. The program has already used this governance system to introduce program changes and is proceeding with the development of the new degree referred to in Action 3. No further clarification is required.

5. TIM Director member of Graduate Faculty Board

The Director of the TIM Programs is a member of Graduate Faculty Board. No further action is required.

Actions mapped to External Reviewers' recommendations

For each of the ten recommendations made by the External Reviewers, Table 3 identifies where actions are required, the associated deliverables and individuals responsible for them.

Table 3 Actions, Deliverable and Individual Responsible by External Reviewers' recommendations

External reviewers' recommendation number	Action	Deliverable	Individuals responsible
1. Measure program outcomes	See Action 1 above	By April 2016, the process to measure outcomes will be operational	The Director of the In consultation with the Sprott Quality and Accreditation Officer, TIM program will establish and the Administrator of the TIM program will operate the system
2. Course and instructor evaluations	No action		
3. Publication portfolio	No action		
4. Designation and new program	A. See Action 3 above	September 2016	Director of the TIM program
5. Supplementary information	No action		
6. ITEC academic unit	See Action 4 above	Completed	

7. TIM Review	C. See Action 2 above	Completed	
8. Governance and direction of the program	No action		
9. Participation in governing bodies of the university	No action		
10. Scaling up the entrepreneurial process across Carleton	No action		