UNIVERSITY OF WINDSOR
UNIVERSITY PROGRAM REVIEW (UPR)
FINAL ASSESSMENT REPORT ON: Bachelor of Engineering Technology
May 2022

Executive Summary of the Cyclical Program Review of the Bachelor of Engineering Technology Program

In accordance with the University's Institutional Quality Assurance Process (IQAP), the Bachelor of Engineering Technology's 2018-2019 Self-Study, submitted to the Office of Quality Assurance on June 17, 2021, included: 1) descriptions and an analysis of the program and streams, learning outcomes, curriculum maps, and the student experience; 2) information on enrolments as well as financial, physical and human resources; and 3) the program data including the standard data package provided by the Office of Quality Assurance. This is the first cyclical review of the Bachelor of Engineering Technology; a degree completion pathway for working professionals/technologists/ diploma graduates to upgrade their knowledge and skills and earn a university degree using existing resources in the BASc programs.

The external review of the Bachelor of Engineering Technology was conducted by desk audit by Dr. Timber Yuen, School of Engineering Practice and Technology, McMaster University.

In the report (December 17, 2021), the External Reviewer noted that the program meets the IQAP evaluation criteria and is consistent with the University's mission and strategic priorities. Specifically, the Reviewer noted that the program-level learning outcomes are clear and appropriately mapped to undergraduate degree-level expectations, and that, since the majority of the program is comprised of courses for the CEAB accredited BASc programs, the modes of delivery and assessment methods are appropriate and ensure students' attainment of the program learning outcomes. The program is run out of the Office of the Dean with courses delivered by high quality tenure or tenure-track faculty members, and there is minimal reliance on sessional instructors.

While admission requirements were generally considered appropriate, the Reviewer recommended increasing the minimum admission average to 75% to reflect the recommended average and the high quality of the program. The addition of calculus is being considered by the Faculty for students who do not enter with a calculus background. In terms of student experience, the Reviewer reflected that since BEngTech students enrol in the same courses as BASc students, they are able to engage in course projects and discussions, enabling them to engage with all undergraduate students and integrate well within the Faculty.

The Reviewer concluded by stating that he was very impressed by the large number of high-quality courses offered for the BEngTech program and by the high percentage of full-time, highly qualified faculty members in Assistant Professor, Associate Professor and Full Professor ranks employed to deliver the BEngTech.

The Program Representatives and Dean of the Faculty of Engineering submitted their responses to the External Reviewer's Report (June 2021), addressing the recommendations, identifying follow-up actions, and providing clarification or corrections, as appropriate. The Senate Program Development Committee (PDC) Final Assessment Report and Implementation Plan (May 2022) considered all the above documentation. The Executive Summary and Implementation Plan, along with any response from the area on the final recommendations, were submitted to Senate in June 2022.

Final Recommendations and Implementation Plan (in priority order)
Final recommendations were arrived at by the Program Development Committee, following a review and assessment of the External Reviewer's report, the response from the Program Representatives, and the Dean's response.

Recommendation 1: That the program-level learning outcomes for each of the Bachelor of Engineering Technology streams be reviewed and revised, as appropriate.
Agents: Program Representatives, Dean of the Faculty, Faculty Coordinating Council
Completion by: Fall 2024

Recommendation 2: That the Program report on efforts to increase student enrolment in all streams, through greater outreach and liaison with Ontario CAATs and other student recruitment activities and initiatives.
Agents: Program Representatives, Dean of the Faculty, Enrolment Management Office
Completion by: Fall 2024

Recommendation 3: That the Program provide information and guidance about professional licensure through the advising and registration processes, as well as in its recruitment material.
Agents: Program Representatives, Dean of the Faculty
Completion by: Fall 2024

Recommendation 4: That the Program report on the development and implementation of an annual Student Satisfaction Survey to gauge BEngTech students' opinions about the program.
Agents: Program Representatives, Dean of the Faculty
Completion by: Fall 2024

Recommendation 5: That the Program report on its alumni outreach efforts, with a view to sharing, with permission, their success stories to motivate current and future students.
Agents: Program Representatives, Dean of the Faculty, Alumni Affairs and Donor Communications
Completion by: Fall 2024