



**Mechanical Engineering
 Final Assessment Report &
 Implementation Plan**

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Internal Reviewer	Prof. Jeffrey Hutter Associate Dean (Academic), Faculty of Science
Date of Site Visit	November 26, 2018
Evaluation	Good Quality
Approval Dates	SUPR-U: March 20, 2019 SCAPA: April 3, 2019 Senate: April 12, 2019
Year of Next Review	2026-27

In accordance with Western’s Institutional Quality Assurance Process (IQAP), the Final Assessment Report provides a summary of the cyclical review, internal responses and assessment and evaluation of the undergraduate modules delivered by the Department of Mechanical and Materials Engineering. This report considers strengths of the program, opportunities

details and prioritizes the recommendations of the report. Recommendations that are selected for

actions from the Final Assessment Report that are assigned to the department responsible for approving and acting on the recommendations, the actions required and the timeline for completion.

The Implementation Plan is sent for approval through SUPR-U, the Senate Council on Quality Assurance and is made

available on a publicly accessible location on Western's IQAP website. The Final Assessment Report and Implementation Plan is the only document resulting from the undergraduate cyclical review process that is made public, all other documents are confidential to the Program/Faculty and SUPR-U.

Executive Summary

During the one-day site visit, the review team met with, among others: the Vice-Provost Academic Programs, John Doerksen; the Dean and Associate Dean of Engineering, Greg Kopp and Jeff Wood, respectively; the Chair and Associate Chair of Mechanical and Materials Engineering (MME), Tony Straatman and Ovidiu-Remus Tutunea-Fatan, respectively; a cross-section of faculty, administrative staff, and technical staff; as well as current students in the program. In advance of that meeting, the Department provided the reviewers with a detailed self-study of the Mechanical Engineering (ME) program that described and mapped the curriculum, discussed resources for the program, and provided quality indicator

- € the availability of combined degrees with Business and Law, as well as the availability of an accelerated master's program
- € regular meetings between the departmental leadership and student representatives to address concerns

Summary of the Reviewers' Key Recommendations and Department/Faculty Responses

The reviewers raised a few minor concerns and listed 17 unranked recommendations, which they described as "suggestions." A summary of the key suggestions, in approximate rank order, is included below, along with Departmental responses.

1. The reviewers noted that the first-year programming course serving all Engineering students was not optimal for ME students, and suggested the introduction of training in

Implementation Plan

The Implementation Plan provides a summary of the recommendations that require action and/or follow-up. The Department Chair/Director, in consultation with the Dean of the Faculty/Affiliated University College Principal will be responsible for monitoring the