Provide an example of the program’s most interesting or important assessment finding that demonstrates the program’s success associated with a program learning outcome.

All MU students are required to take the Fundamentals of Engineering Exam (FE Exam) prior to graduation. At most other programs, this test is not required -- only those students seeking professional licensure opt to take the FE. Relative to all FE Exam test takers, MU mechanical engineering students performed better than average in three of the four portions of the FE Exam that address the general area of thermodynamics and better than average in one of two portions that address the general area of probability and statistics.

Describe an assessment result that indicates an opportunity for improvement and identify the specific actions the program will take to improve student learning.

All MU students are required to take the Fundamentals of Engineering Exam (FE Exam) prior to graduation. At most other programs, this test is not required -- only those students seeking professional licensure opt to take the FE. Relative to all FE Exam test takers, MU mechanical engineering students performed below average in two of the two portions of the FE Exam that address the general area of mathematics, and performed below average in two of two portions that address the general area of electricity and magnetism.

A college-wide mathematics test is now being used to better place students in the appropriate math sequence and better prepare students for advanced engineering mathematics.

A new course sequence is being developed in electromechanical systems (MEEN 2210 and 3210, each with a lab) to better prepare students in electricity and magnetism.