

Academic Year 2025-2026

MEM-Industrial Engineering - MEM-MEMG Learning Outcomes

Solve complex engineering problems

An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

MEASURES	RESULTS	ACTIONS
Survey Responses The student survey data for a course related to computational modeling is used to estimate the percentage of students who self report the learning outcome in the class. Indirect - Survey <i>Prod & Invent Control: INEN 5350</i> Target 70% of student report the outcome being effectively taught on survey data.	MET Survey Responses ■ Exceeded ■ Met ■ Approached  0% 100% Exceeded: 73% Met: 25% Approached: 2% Met Total: 98% Not Met Total: 2%	No actions have been added.
AI Project in INEN 5395 The database course represents a full project with software, business case and presentation. It also requires significant AI skills in software development that is a focus area this year. Direct - Presentation Target 70% of students in top rubric category evaluated by 3 faculty members.	MET AI Project in INEN 5395 ■ Exceeded ■ Met  0% 100% Values are not shown when too close to each other. Click or use arrow keys to see details. Exceeded: 88% Met: 12% Met Total: 100% Not Met Total:	No actions have been added.

Apply engineering design

An ability to apply engineering design to produce solutions appropriately.

MEASURES	RESULTS	ACTIONS
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Student survey data Indirect - Survey <i>Prod & Invent Control: INEN 5350</i> Target 70% of student report growth on this outcome.	MET Student survey data Exceeded Met Approached  0% 100% Exceeded: 80% Met: 15% Approached: 5% Met Total: 95% Not Met Total: 5%	No actions have been added.
INEN 5394 Database Project Direct - Presentation Target 3 faculty members evaluated a large student project against a rubric.	MET INEN 5394 Database Project Exceeded  0% 100% Values are not shown when too close to each other. Click or use arrow keys to see details. Exceeded: 100% Met Total: 100% Not Met Total: Analysis The students did a good job on the project.	No actions have been added.

Use modern engineering tools

An ability to use modern engineering tools to produce engineering analysis in a systematic manner.

MEASURES	RESULTS	ACTIONS
Survey response. Indirect - Survey <i>Prod & Invent Control: INEN 5350</i> Target 70% of student report growth on this measure in a course focused on analytical modeling.	MET Survey response. Exceeded Met Approached  0% 100% Values are not shown when too close to each other. Click or use arrow keys to see details. Exceeded: 82% Met: 17%	No actions have been added.

	Approached: 1% Met Total: 98% Not Met Total: 2% Analysis The exact question wording was This class improved your ability to design, develop, implement, and improve integrated systems that include people, materials, information, equipment, or energy	
INEN 5394 Database Project and Presentation Direct - Presentation Target 80% of students meet the standard evaluated by 3 faculty members.	MET INEN 5394 Database Project and Presentation ■ Exceeded ■ Met  0% 100% Values are not shown when too close to each other. Click or use arrow keys to see details. Exceeded: 88% Met: 12% Met Total: 100% Not Met Total:	No actions have been added.