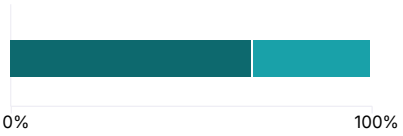
Academic year 2024-2025

MES-Civil Engineering - MES-MSCV Learning Outcomes

SLO 1

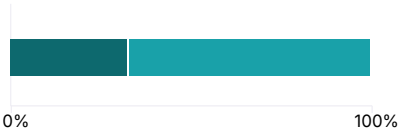
Students will demonstrate an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

MEASURES	RESULTS	ACTIONS
Measure 1 1. Thesis Direct - Other **Target** Minimum acceptable is 3 out of 4. 75% of students achieve the proficiency mentioned above MES_MSCV_Thesis and Defense Rubric.pdf	MET Measure 1 Exceeded Met  *Values are not shown when too close to each other. Click or use arrow keys to see details.* Exceeded: 67% Met: 33% Met Total: 100% Not Met Total: **Analysis** Results were obtained for 3 of the 3 students.	**Revise Benchmark / Target** IN PROGRESS Based on sample size limitations, the faculty will review the current standard of evaluation at the first faculty meeting of Fall 2025. Recommended Due Date: 09/02/2025
Measure 2 Student Survey Indirect - Survey **Target** Minimum acceptable is 3 out of 4 75% of students achieve the proficiency mentioned above MECV_Survey 1.pdf	NOT MET **Analysis** There were no responses from the survey instrument in this category.	**Other - [Deferred Assessment]** IN PROGRESS The response rate was significantly lower than in previous cycles, limiting the usefulness of the data. To prevent recurrence, the following measures are proposed for future data gathering: • Create survey tool online to make it easier for students to respond (e.g., survey monkey, Qualtrics, etc.). • Assign secondary reviewer to verify survey deployment • Exploring automated scheduling tools to ensure consistent and timely survey dissemination. • The faculty will review and vote on this at the first faculty meeting in Fall 2025. Recommended Due Date: 09/02/2025

SLO 2

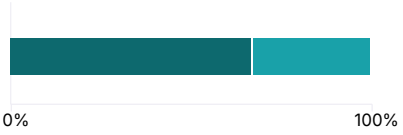
Students will demonstrate an ability to develop and conduct appropriate experimentation or numerical simulation, analyze and interpret data, and use engineering judgment to draw conclusions and produce solutions appropriately.

MEASURES	RESULTS	ACTIONS

Measure 1 1. Thesis Direct - Other **Target** Minimum acceptable is 3 out of 4 75% of students achieve the proficiency mentioned above MES_MSCV_Thesis and Defense Rubric.pdf	MET Measure 1 Exceeded Met  0% 100% *Values are not shown when too close to each other. Click or use arrow keys to see details.* Exceeded: 33% Met: 67% Met Total: 100% Not Met Total: **Analysis** The benchmark was met. Results were obtained from 3 of the 3 students.	**Revise Benchmark / Target** IN PROGRESS Based on sample size limitations, the faculty will review the current standard of evaluation at the first faculty meeting of Fall 2025. Recommended Due Date: 09/02/2025
Measure 2 Student Survey Indirect - Survey **Target** Minimum acceptable is 3 out of 4 75% of students achieve the proficiency mentioned above MECV_Survey 2.pdf	NOT MET **Analysis** There were no responses to the survey from the MES students.	**Other - [Deferred Assessment]** IN PROGRESS The response rate was significantly lower than in previous cycles, limiting the usefulness of the data. To prevent recurrence, the following measures are proposed for future data gathering: • Create survey tool online to make it easier for students to respond (e.g., survey monkey, Qualtrics, etc.). • Assign secondary reviewer to verify survey deployment • Exploring automated scheduling tools to ensure consistent and timely survey dissemination. • The faculty will review and vote on this at the first faculty meeting in Fall 2025. Recommended Due Date: 09/02/2025

SLO 3

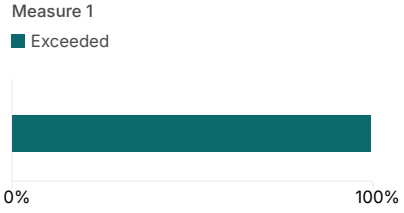
Students will demonstrate an ability to use modern engineering tools to produce engineering analysis in a systematic manner.

MEASURES	RESULTS	ACTIONS
Measure 1 1. Thesis Direct - Other **Target**	MET Measure 1 Exceeded Met  0% 100% *Values are not shown when too close to each other. Click or use arrow keys to see details.*	**Revise Benchmark / Target** IN PROGRESS Based on sample size limitations, the faculty will review the current standard of evaluation at the first faculty meeting of Fall 2025. Recommended Due Date: 09/02/2025

Minimum acceptable is 3 out of 4 75% of students achieve the proficiency mentioned above MES_MSCV_Thesis and Defense Rubric.pdf	Exceeded: 67% Met: 33% Met Total: 100% Not Met Total: **Analysis** The benchmark for this SLO was met. Results were obtained from 3 of the 3 students.	
Measure 2 Student Survey Indirect - Survey **Target** Minimum acceptable is 3 out of 4 75% of students achieve the proficiency mentioned above MECV_Survey 3.pdf	NOT MET **Analysis** There were no responses from the survey instrument in this category.	**Other - [Deferred Assessment]** IN PROGRESS The response rate was significantly lower than in previous cycles, limiting the usefulness of the data. To prevent recurrence, the following measures are proposed for future data gathering: • Create survey tool online to make it easier for students to respond (e.g., survey monkey, Qualtrics, etc.). • Assign secondary reviewer to verify survey deployment • Exploring automated scheduling tools to ensure consistent and timely survey dissemination. • The faculty will review and vote on this at the first faculty meeting in Fall 2025. Recommended Due Date: 09/02/2025

SLO 4

Students will demonstrate an ability to complete a master thesis and effectively communicate the thesis work with a range of audiences.

MEASURES	RESULTS	ACTIONS
Measure 1 1. Thesis Report Direct - Other **Target** Minimum acceptable is 3 out of 4 75% of students achieve the proficiency mentioned above MES_MSCV_Thesis and Defense Rubric.pdf	MET  *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 benchmark for this SLO was met. Results were obtained from 3 of the 3 students.	**Revise Benchmark / Target** IN PROGRESS Based on sample size limitations, the faculty will review the current standard of evaluation at the first faculty meeting of Fall 2025. Recommended Due Date: 09/02/2025

Measure 2

Final Thesis Defense

Direct - Presentation

Target

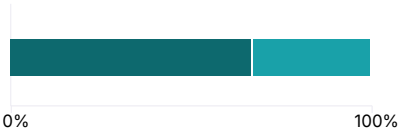
Minimum acceptable is 3 out of 4
75% of students achieve the proficiency mentioned above

MES_MSCV_Thesis and Defense Rubric.pdf

MET

Measure 2

Exceeded Met



Values are not shown when too close to each other. Click or use arrow keys to see details.

Exceeded:	67%
Met:	33%
Met Total:	100%
Not Met Total:	

Analysis

The benchmark for this SLO was met. Results were obtained from 3 of the 3 students.

Revise Benchmark / Target

IN PROGRESS

Based on sample size limitations, the faculty will review the current standard of evaluation at the first faculty meeting of Fall 2025.

Recommended Due Date: 09/19/2025