

Mission

The mission of the Department of Mechanical Engineering is to provide students with high quality, accessible undergraduate and graduate mechanical engineering education; to engage and empower students with skills and knowledge to thrive in professional careers; and to serve society through economic and technological development of Southeast Texas and beyond.

Academic Year 2025-2026

BS in Mechanical Engineering - BS-MEEN Learning Outcomes

Student Learning Outcome #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
MEEN 4316 Final Report Direct - Other <i>Engineering Design Project: MEEN 4316</i> Target 75% of the students will achieve a score of 3 (out of 4) or above. SACS BS SLO1 Rubrics.pdf	MET MEEN 4316 Final Report Exceeded Met Approached  0% 100% Exceeded: 73% Met: 20% Approached: 7% Met Total: 92% Not Met Total: 8% Analysis Based on the assessment data collected from the students' final report, this outcome is met. The percentage of the students scoring 3 and 4 is above 75%.	No actions have been added.
MEEN 4310 Final Report Direct - Assignment <i>Integrated System Design: MEEN 4310</i> Target 75% of the students will achieve a score of 3 or above. SACS BS SLO1 Rubrics.pdf	MET MEEN 4310 Final Report Exceeded Met Approached  0% 100% Exceeded: 33% Met: 57% Approached: 10% Met Total: 90% Not Met Total: 10% Analysis Based on the assessment data collected from the students' final report, this outcome is met. The percentage of the students scoring 3 and 4 is above 75%.	No actions have been added.

Student Learning Outcome #2

Students will demonstrate an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.

MEASURES	RESULTS	ACTIONS
MEEN 4316 Final Reports Direct - Assignment <i>Engineering Design Project: MEEN 4316</i> Target 75% of the students will achieve a score of 3 out of 4 or above. SACS BS SLO2 Rubrics.pdf	MET MEEN 4316 Final Reports Exceeded Met Approached  0% 100% Exceeded: 73% Met: 20% Approached: 7% Met Total: 92% Not Met Total: 8% Analysis Based on the assessment data collected from the students' final report, this outcome is met. The percentage of the students scoring 3 and 4 is above 75%.	<i>No actions have been added.</i>
MEEN 4310 Final Report Direct - Assignment <i>Integrated System Design: MEEN 4310</i> Target 75% of the students will achieve a score of 3 or above. SACS BS SLO2 Rubrics.pdf	MET MEEN 4310 Final Report Exceeded Met Approached  0% 100% Exceeded: 33% Met: 57% Approached: 10% Met Total: 90% Not Met Total: 10% Analysis Based on the assessment data collected from the students' final report, this outcome is met. The percentage of the students scoring 3 and 4 is above 75%.	<i>No actions have been added.</i>

Student Learning Outcome #3

Students will demonstrate an ability to communicate effectively with a range of audiences.

MEASURES	RESULTS	ACTIONS
MEEN 4316 Project Final Presentation Direct - Assignment <i>Engineering Design Project: MEEN 4316</i> Target 75% of the students will achieve a score of 3 out of 4 or above. SACS_BS_SLO3_Rubrics.pdf	MET MEEN 4316 Project Final Presentation Exceeded Met 0% 100% <i>Values are not shown when too close to each other. Click or use arrow keys to see details.</i> Exceeded: 92% Met: 8% Met Total: 100% Not Met Total: Analysis Based on the assessment data collected from the students' final report, this outcome is met. The percentage of the students scoring 3 and 4 is above 75%.	No actions have been added.
MEEN 4310 Project Final Presentation Direct - Assignment <i>Integrated System Design: MEEN 4310</i> Target 75% of the students will achieve a score of 3 or above. SACS_BS_SLO3_Rubrics.pdf	MET MEEN 4310 Project Final Presentation Exceeded Met Approached 0% 100% Exceeded: 55% Met: 37% Approached: 8% Met Total: 92% Not Met Total: 8% Analysis Based on the assessment data collected from the students' final presentation, this outcome is met. The percentage of the students scoring 3 and 4 is above 75%.	No actions have been added.