

Academic Year 2025-2026

MES-Electrical Engineering - MES-MSEE Learning Outcomes

SLO1 **MET**

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

MEASURES	RESULTS	ACTIONS
Thesis and Survey Target Proficiency: Minimum acceptable is 3 out of 4 Benchmark: 75% of students achieve the proficiency mentioned above ECE - MES SACS Spreadsheet 2025-2026.xls X SLO1.pdf	MET Analysis Thesis: 8 out of 8 students (100%) met the 75% target. No actions are needed	<i>No actions have been added.</i>

General Outcome Actions

ACTIONS
Revise Curriculum Not Started Modifications to the M.E./M.E.S. Programs in the ECE Department The following curriculum revisions are proposed for the Master of Engineering (M.E.) and Master of Engineering Science (M.E.S.) programs in the Department of Electrical and Computer Engineering. Removed Courses • ELEN 5303 – Python Programming • ELEN 5313 – Robot Motion Planning • ELEN 5358 – Electric System Modeling Modified Courses The following modifications have been made to existing graduate courses: • Course Prefix Changes: The course prefix was changed from ELEN to ECEN for the following graduate courses: - o ECEN 5301 - o ECEN 5305 - o ECEN 5307 - o ECEN 5308 - o ECEN 5311 - o ECEN 5312 - o ECEN 5314 - o ECEN 5316 - o ECEN 5317 - o ECEN 5324 - o ECEN 5325 - o ECEN 5336 - o ECEN 5346 - o ECEN 5350 - o ECEN 5355 - o ECEN 5356 - o ECEN 5357 - o ECEN 5366 • Prerequisite Updates: Several courses were revised to reflect changes in undergraduate course prefixes and curriculum, or to update prerequisite requirements: - o ECEN 5305: Prerequisite updated from ELEN 3431 to ECEN 3431. - o ECEN 5308: Prerequisite updated from ELEN 5307 to ECEN 5307. - o ECEN 5311: Prerequisite updated from ELEN 3431 to ECEN 3431. - o ECEN 5316: Prerequisites updated from MATH 3370, ELEN 3431, and ELEN 3313 to MATH 3370, ECEN 3431, and ECEN 3313.

- o ECEN 5317: Prerequisite updated from ELEN 3431 to ECEN 3431.
- o ECEN 5325: Prerequisite updated from ELEN 3431 to ECEN 3431.
- o ECEN 5336: Prerequisite changed from ELEN 4351 to ECEN 3313.
- o ECEN 5346: Prerequisite changed from ELEN 4314 to ECEN 3313.
- o ECEN 5350: Prerequisite updated from ELEN 1301 to ECEN 1301.
- o ECEN 5355: Prerequisites revised from ELEN 3312, ELEN 3441, and ELEN 4351 to ELEN 3441 and ELEN 4351, removing ELEN 3312.
- o ECEN 5356: Prerequisites revised from ELEN 3312, ELEN 3441, and ELEN 4351 to ELEN 3441 and ELEN 4351, removing ELEN 3312.
- o ECEN 5366: Prerequisite changed from ELEN 4314 to ECEN 3313.

Recommended Due Date: 08/01/2026

SLO2 **MET**

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
Survey and Thesis Target Proficiency Minimum acceptable is 3 out of 4 Benchmark 75% of students achieve the proficiency mentioned above ECE - MES SACS Spreadsheet 2025-2026.xls X SLO2.pdf	MET Analysis Thesis: 8 out of 8 students (100%) met the 75% target. No actions are needed	<i>No actions have been added.</i>

SLO3 **MET**

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

MEASURES	RESULTS	ACTIONS
Thesis and Survey Target Proficiency Minimum acceptable is 3 out of 4 Benchmark 75% of students achieve the proficiency mentioned above ECE - MES SACS Spreadsheet 2025-2026.xls X SLO3.pdf	MET Analysis Thesis: 8 out of 8 students (100%) met the 75% target. No actions are needed.	<i>No actions have been added.</i>

SLO4 **MET**

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

MEASURES	RESULTS	ACTIONS
Thesis and Survey Target Proficiency Minimum acceptable is 3 out of 4 Benchmark 75% of students achieve the proficiency mentioned above ECE - MES SACS Spreadsheet 2025-2026.xls X SLO4.pdf	MET Analysis Thesis: 8 out of 8 students (100%) met the 75% target. No actions are needed	<i>No actions have been added.</i>