

Electrical Engineering Tech. (A.A.S.)
Canino School of Engineering Technology
Spring 2017 – Fall 2017 Assessment Report



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What Was Assessed? Program Student Learning Outcomes (PSLO) List:

- PSLO # 1 Written/Oral/Visual Presentation
- PSLO # 2 Computer Aided Design
- PSLO # 3 Principles & Appl. of AC & DC Power Circuit Analysis
- PSLO # 4 Principles & Appl. of Digital & Analog Electronics
- PSLO # 5 PLC Principles & Applications
- PSLO # 6 Effective Teamwork Skills
- PSLO # 7 Ability to use Test Equipment
- PSLO # 8 Printed Circuit Board Design, Fab. and Testing
- PSLO # 9 Professional and Ethical Responsibilities

Where Were the Program Student Learning Outcomes Assessed?

- PSLO # 1 Written/Oral/visual Presentation
 - ELEC 109 (17)*, ELEC 203 (12), ELEC 213 (16) * = Sample (Class) Size
- PSLO # 2 Computer Aided Design
 - ELEC 213 (16), SOET 116 (16)
- PSLO # 3 Principles & Appl. of AC and DC Power Circuit Analysis
 - ELEC 109 (17), ELEC 215 (16)
- PSLO # 4 Principles & Appl. of Digital and Analog Electronics
 - ELEC 165 (17), ELEC 213 (16), ELEC 231 (16)
- PSLO # 5 PLC Principles & Applications
 - ELEC 141 (17)

Where Were the Program Student Learning Outcomes Assessed? (Continued)

- PSLO # 6 Effective Teamwork Skills
 - ELEC 203 (12)
- PSLO # 7 Ability to use Test Equipment
 - ELEC 166 (17), ELEC 213 (16), ELEC 243(12)
- PSLO # 8 Printed Circuit Board Design, Fabrication and Testing
 - ELEC 161 (17)
- PSLO # 9 Professional and Ethical Responsibilities
 - SOET 377 (12)

How Was the Assessment Accomplished?

- Student work assessed:
 - Homework questions
 - Solutions of exam questions
 - Lab Reports
 - Oral presentations/ Research papers
- Measurement strategy:
 - Rubrics used for oral presentations, research papers, and lab reports
 - Percent of students who scored above a target value on exam and homework questions
- Sample size:
 - All students who took the designated assessed courses; class (sample) size shown within the parenthesis following the course number on the two previous slides.

Actual Assessment Measurement Data for Each Program Student Learning Outcome for 2017

<u>Program Student Learning Outcome</u>	<u>Number of Measures (#)</u>	<u>Percent Meeting Target</u>	
	<u>#</u>	<u>(Met/ Not Met)</u>	
PSLO #1 Written --- Presentation	3	(3/0)	100
PSLO #2 Computer Aided Design	1	(1/0)	100
PSLO #3 Prin.--- AC & DC Power	4	(4/0)	100
PSLO #4 Prin.--- Dig. & Analog Elect.	4	(4/0)	100
PSLO #5 PLC Principles and App.	3	(3/0)	100
PSLO #6 Effective Team Work Skills	3	(3/0)	100
PSLO #7 Able to use Test Equipment	7	(7/0)	100
PSLO #8 Printed Circuit Board Design	4	(4/0)	100
PSLO #9 Professional & Ethical Respon.	4	(4/0)	100

Data-driven decisions: How the program has or plans to “close the loop” based on these results.

- Continue to revise the course curriculum to better align with the program’s objectives according to the SLO outcomes
- Continue to revise the related courses to better align with the student learning outcomes
- Advise students in the program to seek additional instructional support when needed, e.g. tutoring.

What resources were used or have been requested to close the loop?

- Resources Used:

- Individual faculty time revising within a course.

- Resources Requested:

- None at this time.

What changes would you make to the Assessment Process?

- Add an additional measure to the Program Assessment component of Taskstream to evaluate our Final Product (The Graduates).
 - Need to keep in touch with them (First five Years).
 - Collect feedback from them.