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| **2024 Academic Program Assessment Report** | |
| **B.S.E (Mechatronics) and (BSIE) B.S. in Industrial Engineering** | |

**Program current assessment plan here:** https://www.csupueblo.edu/assessment-and-student-learning/_doc/2019/assessment-plans/engineering-bse-

**Program prior assessment report here:** https://www.csupueblo.edu/assessment-and-student-learning/_doc/2023/bse-bsie-assessment-report-2023.pdf

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| **Report Completed By:** | **Sylvester A. Kalevela** |
| **Date Report Completed:** | **June 7, 2024** |
| **Faculty members involved in this Assessment:** | **Leonardo Bedoay-Valencia, Trung Duong, Nebojsa Jaksic, and Ebisa Wollega** |

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| Please describe this year's assessment activities and follow-up for your program below. (Separate sheet for each undergraduate | |
| **Brief Statement of Program Mission and Goals:** | **The BSE and BSIE are four-year degree programs with pecializations in mechatronics and industrial systems, respectively. The mechatronics program prepares graduates to work in mechanical and electronics systems, and the industrial engineering program is concerned with the design and operations of integrated systems of people, materials, equipment, information and energy.** |

## I. Assessment of Student Learning Outcomes (SLOs) in this cycle.

| A. Your program SLOs are pasted here verbatim from your assessment plan. Please enter info in columns B-H only for those assessed during this annual cycle. | B. When was this SLO last reported on prior to this cycle? (semester and year) | C. What method was used for assessing the SLO? Please include a copy of any rubrics used in the assessment process. | D. Who was assessed? Please fully describe the student group(s) and the number of students or artifacts involved (N). | E. What is the expected proficiency level and how many or what proportion of students should be at that level? | F. What were the results of the assessment? (Include the proportion of students meeting proficiency.) | G. What were the department's conclusions about student performance? | H. What changes/improvements to the program are planned based on this assessment? |
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| 7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies. | Spring 2021 | The SLO was assessed through test questions and homework assignment, in EN 101, EN 215; and a senior design project in EN 487 | All students enrolled in EN 101, EN 215, and EN 487 in spring 2022, fall 2022, spring 2023 and fall 2023 | The desired SLO student performance goal in assignments and test question is 80% of students score at least 80%. For the design project, proficiency is expected | All students met the desired performance | The SLO performance is satisfactory | No changes are recommended at this time |
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| **Comments on part I:** | The BSE and BSIE programs are assessed for seven SLOs, most of the data are generated from common classes to facilitate efficiency. |

## II. Closing the Loop. Describe at least one data-informed change to

| A. What SLO(s) or other issues did you address in this cycle? Please include SLOs verbatim from the assessment plan, as above. | B. When was this SLO last assessed to generate the data which informed the change? Please indicate the semester and year. | C. What were the recommendations for change from the previous assessment column H and/or feedback? | D. How were the recommendations for change acted upon? | E. What were the results of the changes? If the changes were not effective, what are the next steps or the new recommendations? |
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| Prepared and submitted a six-year report to the Engineering Accreditation Commission of ABET. | All seven SLOs were summarized into the ABET report that included data generated during the period of fall 2018 through spring 2024. | The ETAC of ABET review is in progress until August 2024. | N/A | N/A |
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| **Comments on part II:** | The ABET accreditation statement to CSU Pueblo is expected at the end of August, 2024. |