



Program Name	Date Completed
Civil Engineering	5/12/2025
Report Completed By	Report Contributors
Md Rashad Islam	Faculty teaching CE and CET courses (Drs. Kalevela, Faisal, Sidorova and Gulzar)
Brief Statement of Program Mission and Goals	
Preparing civil engineering graduates to reduce the workforce shortage in Colorado and beyond, and make them competent for life-long professional growth	

Table I Closing the Loop

Report on at least one data-informed change to your curriculum during AY 2024-2025 that was implemented to improve student learning, in response to prior assessments or other data.

A. Describe issues or SLOs addressed in the AY 2024-2025 cycle. Paste SLOs verbatim below.
None
B. In which academic year and semester was this SLO last assessed to generate data that informed the change(s)?
We started the assessment for the CE program this year. CE is a new program that started actively in 2024 Fall.
C. What were the recommendations for change in the previous cycle? (See Column H in the previous cycle’s report.)
Not applicable
D. How were the recommendations for change acted upon?
Not applicable
E. How did the change(s) impact student learning? If the change was not effective, what are the next steps or new recommendations?
Not applicable

Enter Table I Closing the Loop Comments Below
Not applicable



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Table II Annual assessment of Student Learning Outcomes (SLOs) in AY 2024-25

1. Include information to share assessment processes, results, and recommendations for improved student learning. Copy this table for each assessed outcome.

A. Program SLO assessed in this cycle. Copy the SLOs verbatim from the assessment plan.
<p>SLO 1. to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics</p> <p>SLO 2. 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</p> <p>SLO 3. an ability to communicate effectively with a range of audience</p>
B. Semester and year this SLO was reported on prior to this cycle.
This is the first time we have started the assessment.
C. Describe the assessment method for this SLO.
<p>SLO 1. CE 101 Test on Trigonometry, CE 351 HW 4, CE 341 Exam 2</p> <p>SLO 2. CE 404 Exam 2, CE 405 Exam 1, CE 412 Exam 1, CE 476 Project 2</p> <p>SLO 3. CE 351 Lab Report 3, CE 473 Project 1, CET 208 Lab Report 1</p>
D. Described student group(s) assessed. Provide the number of students or number of artifacts assessed.
<p>SLO 1. Two Students except on CE 101 which has 6 students</p> <p>SLO 2. Two Students</p> <p>SLO 3. Two Students</p>
E. Expected proficiency level and proportion of students who should reach this level.
75% of students will achieve a 70% score.
F. Assessment results and number of students who met proficiency level.
<p>SLO 1. Average of 89% of students achieved 70% score (lowest score 67% and highest score 100%)</p> <p>SLO 2. Average of 93% of students achieved 70% score (lowest score 70% and highest score 100%)</p>



SLO 3. Average of 97% students achieved 70% score (lowest score 90% and highest score 100%)

G. Describe what results indicate about student performance.

Students have attained the target performance.

H. Describe program level changes/improvements planned for AY 2025-2025 informed by this assessment.

Currently, there are only two students who took the major CE courses. Next year, we expect more students to take CE courses and better data will be obtained. The current data can be used a base mark.

Enter Table II AY 2025 Assessment Comments Below

There is a shortage of CE faculty after two faculty retired (one position is filled up) and another faculty got released partially for the SCITT Directorship duties. The university is in the process of recruiting a faculty. If we can hire the faculty, then students will be able to have greater faculty-student contact time, and the performance achievement is expected to increase. In addition, if the achievement rate in the future when a greater number of students will enroll is as high as currently observed, the target may be increased. In addition, the instructors of a few classes are proposed to be changed after a new faculty is recruited. Another action is that although the target performance is met, more hands-on activities are recommended and more supplies/equipment be purchased for the lab-based classes such as CET 208. An individual asphalt laboratory has also been proposed in the TEE building to enhance the student learning.