OUTCOMES & ASSESSMENT

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General Education Learning Outcome (GELO) Assessment

CCSF Area C: Natural Sciences

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Executive Summary

- Overall, 36,636 assessments of SLOs mapped to Area C were analyzed in this report, drawn from eight semesters (fall 2018 – spring 2022), with an overall proficiency of 76.1% "meets SLO". This includes 26,409 assessments in Area C1, Biological Science, from 24 courses, with an overall proficiency of 78.1%, and 10,227 assessments in Area C2, Physical Science, from 21 courses, with an overall proficiency of 70.8%.
- Enrollments in this period totaled 18,769 students in C1 and 15,961 students in C2. This means there were, on average, more than 1 assessment per student per section in C1 and less than 1 assessment per student per section in C2, but it is unknown how this may affect the data set, if at all.
- The percentage of students meeting the SLOs in this four-year period was higher than that reported in the prior assessment in 2017 (67%, for Area C as a whole).
- The data set reflects the dynamic nature of curriculum at CCSF in several ways.
    - In the normal curriculum update process, course SLOs were mapped to the new C1 and C2 outcomes for most Area C courses at some point during the study period.

of students in the 50-59 age group in C1. Strategies that are both age-conscious and race-conscious may be useful in closing opportunity gaps.
    - When disaggregated by race/ethnicity, the biggest gaps were identified in C1 for Black/African American and Pacific Islander/Native Hawaiian students, and in C2 for Latino/a/x and Filipino/a/x students. Course success data show similar opportunity gaps, with an 8% gap in both C1 and C2 for students in equity populations.
    - Foster and former foster youth experience an opportunity gap in both C1 and C2, and veterans experience an opportunity gap in C2. Only one gender-based opportunity gap in SLO attainment was identified, for nonbinary students in C2.
- In addition to analyzing data for CCSF Area C outcomes, this report shows SLO

2.