Assessment Data Mathematical, Information and Computer Sciences
Computer Information Technology (ADC), 2023-24

Learning Outcome: Students will be able to apply their technical knowledge and critical thinking to solve problems (Critical Thinking).

GELO 1d: Critical Thinking: Students will be able to examine, critique and synthesize information in order to arrive at reasoned conclusions.

Outcome Measure: Pass rates on certification exams.

Criteria for Success:
By the end of their 4th term:
- 80% of the students will be at or above 90% of the score needed to pass the CompTIA A+ exam.
- 80% of the students will be at or above 90% of the score needed to pass one additional CompTIA certification exam.

70% of the students will be marginal or proficient at Level 2 Reading/Critical Thinking.

Longitudinal Data:

	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Percentage at or Above 90% of CompTIA A+ Exam Passing Score	87%	68%	73%	71%	88%	71%
Percentage at or Above 90% for at Least One of CompTIA Network+, Security+ or Project+ Exam Passing Score	94%	86%	85%	87%	93%	77%

Conclusions Drawn from Data: The students have been consistently meeting our criteria on their second certification exam. The students have been inconsistent in meeting the criteria on the A+ exam but are generally close to our target. Some of our 2023-24 students had general challenges with certification exams and that can be seen in this year's results.

Changes to be Made Based on Data: The A+ certification has two component exams. After some analysis, we have changed the class that supports preparation for these two exams from one to two units to help the students prepare more effectively. This change began in the fall of 2023. It seems to be providing students with more time to prepare for the exams, we will continue to monitor if it improves the student's scores over time.

Rubric: Since these are online exams provided by CompTIA, there is no rubric.