

2024 Annual Report of Program Data

Co-Req Math



1. Program or Unit Mission

Hawaii CC has STEM and non-STEM mathematics pathways. We teach a variety of first-year math courses and offer a single level of remediation for those students that do not place into college-level math courses. Math 78C is targeted for incoming students with math skills below that of a general college-level course but who do not want to spend an extra semester in remediation. Instead, students are able to take a college-level course (e.g., Math 100 or Math 115) with Math 78C as a co-requisite. As a co-requisite course, Math 78C is not a program and has no specific PLOs. Instead, it follows the SLOs for the individual math courses for which it is co-req'd and the PLOs for the program they belong to (Liberal Arts, Natural Science, etc.).

Math 78C serves as a co-requisite for Math 100 or Math 115 students who do not place into that course but require remediation. Students are able to take Math 78C/Math 100 or Math 78C/Math 115 instead of having to take Math 75X (first semester) and then Math 100 or Math 115 (second semester), thus fast-tracking students towards completion of a college math course within the first year and fulfilling the UH-System Initiative.

2. Program Student Learning Outcomes or Unit/Service Outcomes

As a co-requisite course, there are no Program Learning Outcomes for Math 78C. This course is linked with the Liberal Arts PLOs (#2 - Think Critically and #3 Reason Quantitatively) and the math courses for which it is co-req'd. Therefore, there is no separate assessment of the Math 78C course; assessment only takes place within a co-req'd Math 100 or Math 115 course. Math 78C was not offered in AY 2023/2024. In the future, we will include results for Math 78C when Math 100 or Math 115 is assessed - if a co-req'd section of Math 100 or Math 115 is scheduled.

Since the implementation of Multiple Measures for placement into Math courses, it has become increasingly difficult to identify those students who would be placed into the Co-req course model. Previously, students were identified by their Math placement scores using Accuplacer or EdReady but the number of students taking these placement tests has significantly decreased as they are being placed using an alternate measure, such as, high school GPA or high school Algebra II course grade, etc.

3. Analysis of the Program/Unit

The following data discussion is based on the new UH-System measures regarding achievement in college-level math courses. Fifty-eight percent (n = 231) of first year Hawai'i CC students enrolled in a math class in their first two semesters. This does not meet the UH System enrollment goal of 100% enrollment in a math class during the first year of study.

The efficiency goal for 2025 is to have 70% of students placed at one-level below college ready to pass college-level math within a year of enrolling. In 2023-2024, 75% (n = 173) of students enrolled in college-level math courses, passed in their first semester. This is above the goal of 70% but also a slight decline from the previous year (80%). The completion rate of ALL first-time freshmen completion rate has increased to 39% compared to the previous year of 34%.

ARPD data (see table below) no longer segregates the placement of students by college-level, one-level below, and two-levels below. UH-System is only looking at first-time freshmen, their enrollment, and completion of college level math within the first academic year of enrollment.

Many of our students are enrolled part-time, adjust their schedules without the input of an academic advisor, and complete certificates that do not require a math course. The UH System enrollment goal of 100% during the first year of study continues to be unachievable without a system in place that is built into Banner/STAR that requires students to enroll in Math courses their first year.

Campus	Fall Semester	First-Time Freshmen (FTF)	Enrolled in College-Level Math	College-Level Math Enrollment Rate	Completed College-Level Math (C or higher)	Completed College-Level Math with a D	Completion Rate of College-Level Enrollees	Completion Rate of all FTF
Hawaii CC	2023	401	231	58%	158	15	68%	39%
	2022	378	185	49%	128	20	69%	34%
	2021	385	174	45%	116	13	67%	30%
	2020	435	208	48%	162	15	78%	37%
	2019	521	242	46%	163	26	67%	31%

4. Action Plan

We plan to attempt to offer Math 78C as a co-requisite to Math 100 and Math 115. In the past, we have had successful enrollment and outcomes for Math 78C when it was taught face-to-face. The COVID-19 pandemic, the switch to distance education, and the use of Multiple-Measures as our placement tool continues to make it difficult to run the course due to low enrollment. Many of the other UHCCs have also limited or stopped their co-req offering due to similar struggles with enrollment and being able to properly identify appropriate students for the courses. We hope to continue to try to offer Math 78C as an option for Math 100 and Math 115 to further the goal of the college and the UH System to have all students complete their college-level math courses within the first year of enrollment.

5. Resource Implications- Special Resource Requests

I am NOT requesting additional resources for my program/unit.

I AM requesting additional resource(s) for my program/unit.

Total number of items being requested: 1 (4 items max.)

- **Item Description:** [Texas Instruments TI-84 Plus](#)
- **Justification:** To support students in their college math courses. The purchase of calculators will create uniform syntax entry, applications, and learning opportunities within all courses. These calculators have the capability to complete all calculations necessary for the Math 78C, Math 75X, Math 82X, Math 100, Math 115, Math 135, Math 140, Math 241, and Math 242. If our students are given uniform calculators to use in their developmental courses, they will have the opportunity to build skills and confidence in the use of the calculators and can take those skills to their college level courses and ultimately be more successful in them.
- **Alignment to the [Ka‘ao Ka‘ika‘i Strategic Plan AY2023 - AY2029](#):**

Each resource request must align with one or more of our Strategic Plan Core Commitments:

Ka‘ika‘i Haumāna	Develop successful students for a better future.
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ALLOWED CATEGORIES	Category-Specific Information Needed			
Equipment	Aug 1st 2025	20 units / \$120	\$2500 (with S&H, tax)	On Inventory List (N?A)