

An Alternative to Remediation

As of Fall 2018, all incoming freshmen in the CSU system who need additional academic support to complete their GE writing or quantitative reasoning requirement must be allowed to do so in college-level courses that carry baccalaureate credit toward their degrees (for details, see **Executive Order 1110** and its accompanying **FAQ**). This change has the effect of shifting away from pre-baccalaureate developmental coursework which does not count toward a student's degree units; such courses have been shown to impede progress to the degree, especially for traditionally underserved students.

At CSUN, our GE writing courses were already using this baccalaureate credit model, with stretch writing (113A/B, 114A/B) for students who need additional support. In Fall 2018, our GE math courses moved to this model as well, switching from Developmental Math to co-requisite math courses. In this report, we share some preliminary results on the impact of this change for the Fall 2018 freshmen who required additional academic support in math.

There are 4 categories of math placement; here, we focus on the 2 categories that indicate that additional support is necessary, categories 3 and 4.

Category 4

MATH 092 → MATH 093 → GE-MATH

In Fall 2017, First-Time Freshmen placed in Category 4 needed 2 courses: typically MATH 092 and 093



Between the passing rate of Math 092 and Math 093, **35%** of students passed out of developmental math.

0 Units were earned after successful completion of these courses.

*Individually, 54% of Category 4 Fall 2017 First Time Freshmen passed Math 092, and 64% of those students then passed Math 093.

MATH 196QR → GE-MATH

In Fall 2018, First-Time Freshmen placed in Category 4 needed 1 course: typically MATH 196QR



Category 4 Fall 2018 First-Time Freshmen had a **55%** passage rate in Math 196QR

5 Units were earned after successful completion of this course.

*A smaller number of the Category 4 Fall 2018 First-Time Freshmen took Math 196S. 58% of those students passed the class.

Category 3

MATH 093 → GE-MATH

In Fall 2017, First-Time Freshmen placed in Category 3 usually took MATH 093.

MATH 196QR → GE-MATH

In Fall 2018, First-Time Freshmen placed in Category 3 usually took MATH 196QR



Category 3 Fall 2017 First-Time Freshmen had a **57%** passage rate in Math 093

0 Units were earned after successful completion of this course.

*A smaller number of the Category 3 students took MATH 097. 61% of those students passed the class.



Category 3 Fall 2018 First Time Freshmen had a **66%** passage rate in Math 196QR

5 Units were earned after successful completion of this course.

*A smaller number of the Category 3 students took MATH 196S. 62% of those students passed the class.

Preliminary Conclusions

Under this new model, more students in categories 3 and 4 are successfully completing their pre-GE math/quantitative reasoning coursework, and are receiving credit for this work. These early results are very promising and in line with other universities that have made similar changes. CSUN will continue to examine the impact of these changes on student success.

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