



CARNEGIE MATH
PATHWAYS
WestEd



Solving the Developmental Math Problem


FOR YOU AND YOUR STUDENTS

What if students who test two to three levels below college-level math could complete a college-level math course in a single year, or even a single semester?

Six years of classroom data show that they can.

More than 70 colleges and universities across the country, their faculty, and the students they serve are already experiencing this success as members of the growing Carnegie Math Pathways network.

Join us.

A photograph of three students in a classroom setting. On the left, a young woman with dark hair is smiling. In the center, a young woman with brown hair tied back is looking down at a book. On the right, an older woman with glasses and braided hair is also looking at the book, appearing to be explaining something. They are all focused on their work.

Success in the Carnegie Math Pathways Network

Since its launch in 2010, Carnegie Math Pathways has been transforming the math learning experience. That focus is paying off both for students and for their colleges and universities.

Freed from continuous cycles of remediation, Carnegie Math Pathways students are saving time and money. Compared to their peers in traditional remediation programs, Carnegie Math Pathways students are:

- * Earning college-level math credit at triple the rate, and in half the time
- * Performing better in upper-level quantitative courses
- * Transferring to four-year colleges at significantly higher rates

Institutions in the Carnegie Math Pathways network find that institutional dollars spent on recruitment and admission go further because students who succeed in college-level math are more likely to enroll in additional college-level courses.

“It’s not an exaggeration to say that the program saved my education. Statway was hard but there was so much support. I learned that I was fully capable of succeeding in College Statistics. Statway did more than speed up my college career – it was the reason I graduated.”

— Jacquelyn Lowe, former Statway student at Pierce College (Woodland Hills, CA)
and recent graduate of California State University, Humboldt

The Carnegie Math Pathways Approach

Carnegie Math Pathways unites

practitioners, higher education administrators, researchers, and, increasingly, high school educators in a national network focused on collectively changing the status quo.

The Carnegie Math Pathways program consists of:

- * **A robust professional learning program** for faculty, including online training, regional work-shops, and mentorship based on a tailored plan for each faculty member
- * **Rigorous, innovative curricula** that are relevant to students' lives and areas of study, and that engage students in active and collaborative learning
- * **Social-emotional student supports** that address math anxiety, promote a growth mindset, and generate a sense of belonging
- * **Institution- and classroom-level analytics** on student performance
- * **Instructional materials** that include
 - in-class workbooks with richly annotated instructor materials
 - online student platform
 - assessments and item banks
- * **Structured coaching by experienced administrators** from campuses already using Statway and Quantway who assist with strategic planning for adopting and scaling these math pathways, and with the institutional coordination essential to the effective launch and continuous improvement of Carnegie Math Pathways on any campus



To learn how your institution can join the Carnegie Math Pathways network, and the fee for associated supports, email us at info@carnegiemathpathways.org.

“Quantway opened up my world to math and made it exciting and reachable. It changed my life. My confidence skyrocketed and not just in my math, but in every other aspect of my life.”

— Michelle Gay, former Quantway student at Ridgewater College (Wilmar, MN), currently pursuing a BA degree at a state university



We spend a lot of time talking about equity, including the need to really reach all students through teaching and learning that engage them. Carnegie Math Pathways is one of the few initiatives that has shown real promise for actually moving the needle on equity. With Statway, our completion rates have been so much higher for the student populations we've been trying to better support and for whom we've wanted to see greater success.

— Matt Judd, Dean of Natural Sciences, Mt San Antonio College (Walnut, CA)

The Carnegie Math Pathways Courses

Carnegie Math Pathways offers two suites of courses: Quantway (quantitative reasoning) and Statway (statistical reasoning). All courses are designed to develop the mathematical reasoning and problem-solving skills that are essential in a growing number of occupations, and that support everyday decision-making. For students in the humanities, social sciences, communications, or allied health fields, the courses offer an alternative pathway to earning credit in introductory college math.

The one- to two-term courses are available in stretch pathways, co-requisite, and college versions.

FOR A DESCRIPTION OF ALL COURSES, VISIT

carnegiemathpathways.org/quantway

carnegiemathpathways.org/statway



Carnegie Math Pathways courses are endorsed by the Mathematical Association of America, American Mathematical Association of Two-Year Colleges, National Numeracy Network, and American Statistical Association.



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Carnegie Math Pathways



WestEd is a nonpartisan, nonprofit research, development, and service agency that works with education and other communities throughout the United States and abroad to promote excellence, achieve equity, and improve learning for children, youth, and adults. WestEd has more than a dozen offices nationwide, from Massachusetts, Georgia, Vermont, and Washington, D.C. to Arizona and California, with headquarters in San Francisco.

More information about WestEd is available at WestEd.org.