



Guided Pathways and the Carnegie Math Pathways

Mathematics reform can be the anchor grounding larger Guided Pathways reform. Establishing appropriate math pathways aligned to degrees, is an essential part in creating complete pathways.

“Creating a streamlined set of math pathways was the first step in our strategic initiative. We created a Quantitative Reasoning pathway, a Statistics pathway, a STEM pathway, and a career-technical pathway. We used the Carnegie Math Pathways Quantway and Statway courses because of their proven effectiveness, the rich faculty professional development provided, and the administrative support for change management.”

— Margo Keys, Vice President of Student Services, Chippewa Valley Technical College

The Carnegie Math Pathways program helps streamline math pathway options by providing both quantitative reasoning and statistics courses.

Our administrative coaches help institutional leaders manage the process creating math pathways aligned to degrees, including systematic planning, engaging campus stakeholders, leveraging resources and facilitating communication with advisors and articulation partners.

Carnegie Math Pathways

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

“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)

Co-Requisites and Stretch Courses

Carnegie Math Pathways offers two suites of courses – both as co-requisites and stretch 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. Learning outcomes for both courses are endorsed by the Mathematical Association of America, American Mathematical Association of Two-Year Colleges, National Numeracy Network, and American Statistical Association.

Student materials for Statway and Quantway are available to network members and are only \$35 per student per course, for access to the online learning platform and e-text. Printed workbooks can be purchased at a reduced cost from our publishing partner XanEdu.

Network Membership

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

The cost of joining the Carnegie Math Pathways Network, complete with faculty professional development, administrative coaching, and analytics, varies by size of institutional enrollment. Institutional commitment ranges from \$10,000 to \$20,000 per year in years 1 and 2 and from \$5,000 to \$10,000 per year thereafter.

For more detailed information, please contact Lisa Savcak at lsavcak@wested.org.

or connect with us

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