

Transforming the Online Math Learning Experience

Since 2019, more than 50 institutions have used the new Carnegie Math Pathways learning platform to offer Quantway and Statway courses online. Serving over 11,000 students, these courses have demonstrated the same high success rates as our in-person courses.

By the Numbers: Online Pathways Course Success Rates

77%Statway
College**70%**Quantway
College**67%**Statway
Corequisite**70%**Quantway
Corequisite**68%**Quantway
Core

Success rates based on a C-grade or higher

At the college level, students enrolled online in Statway College and Quantway College have an average success rate of 77% and 70%, respectively. Students in the online corequisite versions of these courses achieved success rates of 67% and 75%, respectively.

Students taking Quantway Core online, a single course that replaces a sequence of developmental courses and prepares students for success in college-level mathematics, have shown a 68% success rate.

Keeping Students Connected Online

Based on survey data, educators and students alike reported that the collaborative component of the Pathways online design creates a more enriching online class experience that keeps students engaged and supports their success in the course.

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I was absolutely blown away by how much I enjoyed this course. I had no clue that it would be so engaging.

Kristin Haner

Quantway College Online Student
SUNY Corning Community College

A Design that Drives Success

In 2018, Carnegie Math Pathways partnered with educators and education technology experts to reimagine Quantway and Statway courses for the online space while maintaining an engaging and supportive learning experience that can increase student success.

Building on the evidence-based features of our in-person courses, we developed a custom learning platform that integrates both adaptive learning technology for individualized learning and video conferencing for small group collaboration with structured learning activities.

The learning platform incorporates design principles proven to foster engagement and a motivating learning experience that promotes persistence throughout the course.

It also includes built-in data analytics tools to help instructors understand the student experience and intervene in key areas of student learning and engagement.



We've been able to facilitate collaborative learning just as well online as we have in-person with this platform and achieve some of our strongest course outcomes.

Eric Hagedorn
Mathematics Faculty
Milwaukee Area Technical College

Getting Started

We support educators in the online delivery of Carnegie Math Pathways course solutions through specialized instructional training and peer mentorship.



To learn more about Carnegie Math Pathways course solutions and our educator supports, visit www.carnegiemathpathways.org.

Carnegie Math Pathways Online Design Principles

Always Welcoming

Feel like you belong, right from the start

Coherent

How everything fits together is clear

Adaptive

A learning system that meets you where you are

Collaborative

Teach others and learn from them

Intentional

A controlled structure and flow, where there is always an explicit next step

Supportive

Help is there when you need it

Interactive

Rich, meaningful, and productive communication

