

Increasing Student Success with Corequisite Solutions

Carnegie Math Pathways Quantway and Statway corequisite solutions are seeing students **succeed at 3 to 4 times the rate** of students in traditional math sequences. Designed with a focus on relevant content, collaborative learning, and tailored supports, these corequisite course solutions are helping more students earn college math credit in less time and with less expense.

A thoughtful and flexible corequisite solution

Building on the proven Quantway and Statway 2-term course solutions, Carnegie Math Pathways created Quantway College with Corequisite and Statway College with Corequisite. Each is designed as a one-term course set—a college-level course and corresponding corequisite support materials.

Designed to meet multiple implementation models and give educators the flexibility to provide students with the level of support needed, these course solutions can be applied to cohort and non-cohort models and to support corequisites of various credit sizes.

SAMPLE IMPLEMENTATIONS

Pathways corequisites have supported a variety of implementation models

Credit Hours	Contact Hours	Delivery of Corequisite
4-6 credits 1-3 dev math credits 3-4 college math credits	4-6 contact hours* *schools with higher contact hours have seen the highest course success rates	Integrating support and college content throughout each class period Separating and delivering coreq and college content on alternating days

Attention to student engagement and instructor support

Beyond structural considerations, a critical factor in successful corequisite implementation is relevant curriculum and engaging instruction. Carnegie Math Pathways corequisite course solutions incorporate evidence-based design principles focused on creating an engaging and supportive learning experience.

Alongside these solutions are rich resources to support instructors with delivery, including in-depth preparation training, user guides, and peer mentorship from faculty deeply familiar with corequisite instruction and Carnegie Math Pathways materials.

CARNEGIE MATH PATHWAYS DESIGN PRINCIPLES

Each Carnegie Math Pathways course solution engages students with:



active, collaborative learning



problem solving around authentic and relevant contexts



social emotional supports that build confidence and a sense of belonging

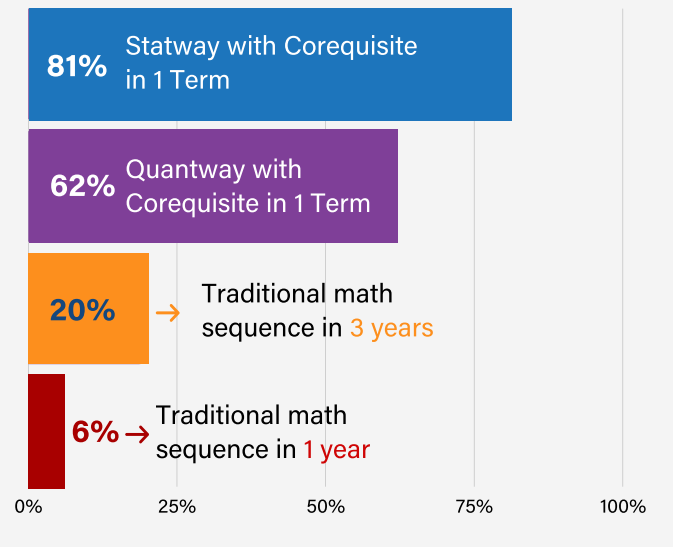
Results

Students enrolled in Carnegie Math Pathways corequisite course solutions are earning their gateway college math credit at **3 to 4 times the rate** of their peers in the traditional math sequence, and in a fraction of the time.

With an average success rate (C or better) of 72%, Carnegie Math Pathways corequisite solutions are dramatically increasing student success. By comparison, only 6% of students in the traditional approach, developmental courses followed by a credit course, earn college-level credit within a year, and only 20% earn college credit within 3 years.

Since fall 2017, over 4,000 students at 27 institutions have enrolled in Statway or Quantway corequisite courses. These courses are helping substantially more students earn college level credit in less time and continue toward their college and career goals.

Student Success in Quantway and Statway with Corequisite Fall 2017 through Fall 2020



How to Implement

To learn more about Carnegie Math Pathways corequisite course solutions, visit www.carnegiemathpathways.org and sign up to try a lesson in our course platform.

Contact us to learn more about how we can support you and your institution to bring these course solutions to your students: info@carnegiemathpathways.org.

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The class came together as a learning community in ways I have not seen in classes taught using a lecture model. Students were more engaged with the material and in each other's success.

*Earle Crosswait
Math Faculty
Saginaw Chippewa Tribal College*

About Carnegie Math Pathways

We believe that math should be a gateway, not a gatekeeper for college graduation. Together with a nationwide community of educators, we're fundamentally reimagining math teaching and learning to create course solutions that meet the diverse needs of students and ensure that every student — regardless of their race, ethnicity, zip code, or income — can access high-quality math learning opportunities that prepare them for college and career success.