

Developmental Mathematics Crisis

<https://www.carnegiefoundation.org/in-action/carnegie-math-pathways>



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“Statway has changed my life. I’m now a leader in class and I am confident for the first time in my life that I can learn math.”

Rikki Vick, Pathways Student

“If you do not get out of developmental mathematics, you cannot acquire credits to transfer to a four-year institution, and you often cannot get access to vocational and technical training programs. The bumper sticker for this problem is, ‘developmental mathematics is where aspirations go to die.’” Tony Bryk, President of the Carnegie Foundation for the Advancement of Teaching

Traditionally, only 5% of the 13 million community college students enrolled in developmental mathematics courses earn college level credit within one year. This high rate of failure cannot simply be attributed to a single source, such as poor curriculum materials or disengaged students, but the entire system. After analyzing the entire system that produces the traditional results and recognizing the key drivers of failure, the network created a system to address the problems across the system.

Pathways Instructional System

With an emphasis on the whole system producing the developmental mathematics crisis, the network outlined a range of changes based on research and practitioner knowledge to design an instructional system geared toward student success. This new system draws heavily on five areas:

- **Advancing Quality Teaching**
- **Network Engagement**
- **Productive Persistence**
- **Rapid Analytics**
- **Relevant Content**

Explore the key aspects of our instructional system.

Questions?

Contact us at pathways@carnegiefoundation.org