

Data Analysis Based on Past Course Completion Rates – Developmental Math Courses

- The current remedial math program is not designed to help students complete the gatekeeper math during the freshman year.
- Most of our students (67% of first-time freshmen) need to take remedial math from the very basic, and it will typically require at least three semesters for them to complete the gatekeeper Math course at earliest.
- More than a half of the students in Basic Math failed to pass the course.

As a result, only 8 percent of freshmen completed both English and Math gatekeeper courses during the freshman year for the most recent cohort (Fall 2012 freshmen). 50% of them could not pass either.

The 3-year graduation rate is substantially lower for students not completing gatekeeper math during freshman year than those who completed them (28% to 3%, according to our analysis). CCA would love this analysis, as their Math Pathway will require students to complete the gatekeeper math during freshman year.

That being said, two major challenges in math at UDC-CC are summarized below.

1. Many students are not college ready at all in math and need to improve the Basic Math Course Passing rate
2. The current math curriculum typically requires three semesters to complete the gatekeeper math, instead of two. So even if a student survived from Basic math, he/she would not be able to complete the gatekeeper math during the freshman year and need to develop a curriculum that would allow students to complete the gatekeeper course in two semesters regardless of where they started.

Copy and paste the link in your browser to run the simulation -

<http://www.postsecondaryanalytics.com/wp-content/uploads/2014/01/ATD-Simulation-Dashboard1.swf>