

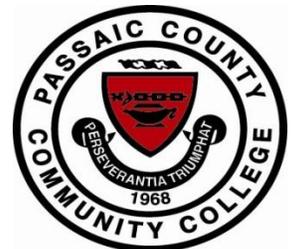
**Developmental Math Customized
Acceleration Options**

**Using Boot Camps to Promote
Acceleration and Completion**

Passaic County Community College

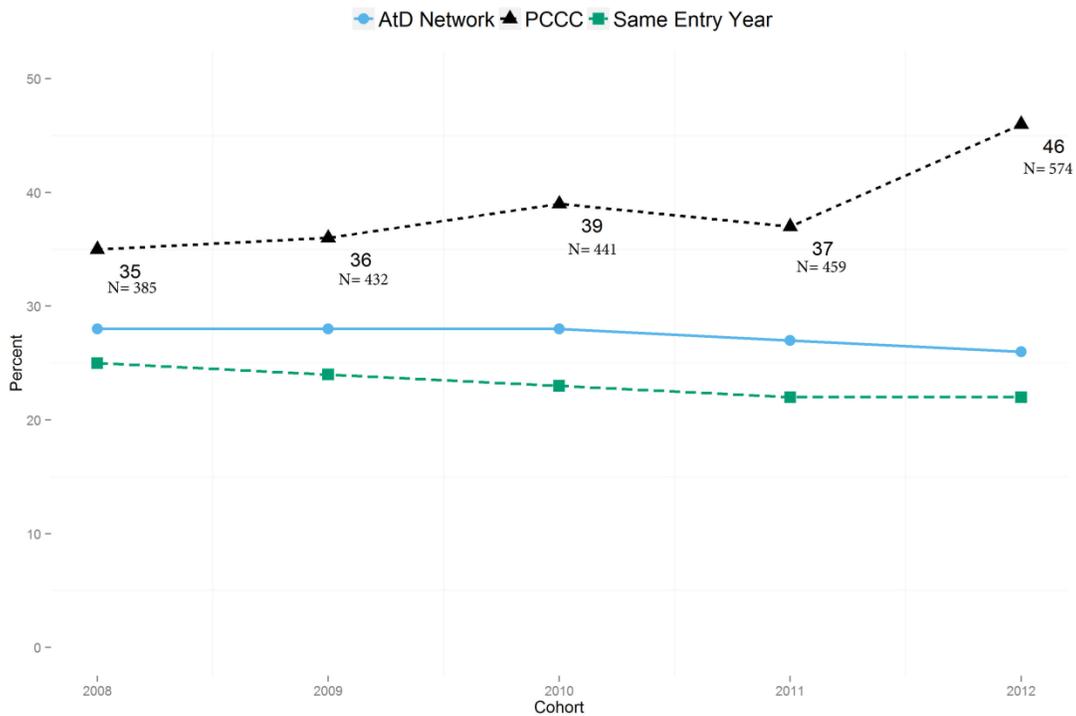
DREAM

February 24, 2016



Since the inception of Achieving the Dream at Passaic County Community College in 2011, PCCC has made substantial changes to the developmental math program. These changes include creating a MA-PREP course for students who test below the lowest course offered, instituting two boot camps (MA-INT and MA-INT2) which allow select students to skip a level, and instituting a third boot camp (MA-INT3) as a second chance opportunity for students at the highest levels of developmental math. These changes, some of which were instituted prior to joining AtD in 2011, have contributed to an increase in the two year completion of the developmental math sequence at PCCC. Since the 2009 cohort, there has been a ten percent increase in these students, and at 46 percent for the 2012 cohort, PCCC outpaces its peers.

Completed Developmental Math Sequence in Two years



Students who test below the lowest level of developmental math are placed into a non-credit prep course. These non-credit courses last three weeks and at their culmination, students who pass a department exam move into the college’s developmental math program. MA-PREP students typically outperform their peers who take the same basic mathematics course in the same term. Of the 267 students who completed the MA-PREP course between fall 2012 and spring 2015, about 56 percent of them passed the basic mathematics course, compared to about 54 percent of their peers.

**Performance of MA-PREP Students Developmental Math,
Fall 2012 – Spring 2015**

Successfully Completed PREP	Successfully Completed 1 st Level Developmental Math Course	
	PREP	Non-PREP
267	55.8	53.9

Students who pass MA-010A (Basic Mathematics A) with an A are offered the chance to enroll in an intensive boot camp (MA-INT) offered between semesters. Upon successful completion of the boot camp, these students are able to skip MA-010B (Basic Mathematics B) and enroll in MA-025 (Accelerated Algebra), saving them a semester. Since the spring of 2011, 253 students have gone through the MA-INT boot camp, with nearly two thirds of them skipping a level. Of those students, about 60 percent complete Accelerated Algebra.

Success Rate of MA-INT Students, Spring 2011 – Spring 2015

Enrolled in MA-INT Boot Camp	Successfully Completed MA-INT Boot Camp & Registered for the Next Level Math Class	Successfully Completed Next Sequence Course
253	167	58.7

Students who pass either MA-010B (Basic Mathematics B) or MA-025A (Algebra A) with a B or higher also offered the chance to enroll in an intensive boot camp (MA-INT2). Students who successfully complete MA-INT2 are placed into college-level math, saving them 1-2 semesters. Since the spring of 2011, 283 students have gone through the MA-INT2 boot camp, with 120 of them moving to college level math. Of those students, nearly 85 percent passed their college-level math course.

Success Rate of MA-INT2 Students, Spring 2011 – Spring 2015

Enrolled in MA-INT2 Boot Camp	Successfully Completed MA-INT2 Boot Camp & Registered for the Next Level Math Class	Successfully Completed Next Sequence Course
283	120	84.2

At the highest levels of developmental math, students who pass the course but do not pass the exit exam are given the opportunity to retake the test after participating in a boot camp (MA-INT3). These students, who previously would have had to take the entire course over again, can save a semester by being refreshed on the topics covered throughout the semester. Of the 259 students who enrolled in the MA-INT3 boot camp, 117 enrolled in college-level math the following semester. Of those 117 students, over 60 percent passed their college-level math course. It should be noted that some students who successfully completed the boot camp either were not required to take college-level math or choose not to enroll in Math the subsequent semester.

Success Rate of MA-INT3 Students, Spring 2011 – Spring 2015

Enrolled in MA-INT3 Boot Camp	Successfully Completed MA-INT3 Boot Camp & Registered for the Next Level Math Class	Successfully Completed Next Sequence Course
259	117	62.4

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