

El Camino College
Math-23 Tracking
Fall 2007 & Spring 2008



At El Camino College, Math-23 is a Basic Skills Math course that is three levels below transfer-level Math. In this study, students who enrolled in Math-23 for the first time during the terms of Fall 2007 and Spring 2008 were tracked until Summer 2009 and Winter 2010, respectively, to find how many students enroll and successfully complete the Basic Skills Math Track. Students that pass a course in one or more attempts during the time frame are counted in the success rate, regardless of the amount of attempts in the course.

Basic Skills Math Courses		
<i>Course Number</i>	<i>Course Subject</i>	<i>Levels Below Transfer-Level Math</i>
Math-23 or 25	Pre-Algebra	3
Math-40 or 33/43	Elementary Algebra	2
Math-73 or 80 (<i>formally 70</i>)	Intermediate Algebra	1

Success Rates* for Math-25 Cohorts			
<i>Term</i>	<i>Math-23 or 25</i>	<i>Math-40</i>	<i>Math-73 or 80</i>
Fall 2007	68%	65%	66%
Spring 2008	63%	63%	61%

*Success Rate is the percentage of students enrolled in the course and passed in one or more attempts

Improvement Rates** from Math-23 or 25 to...		
<i>Term</i>	<i>Math-40</i>	<i>Math-73 or 80</i>
Fall 2007	54%	27%
Spring 2008	50%	25%

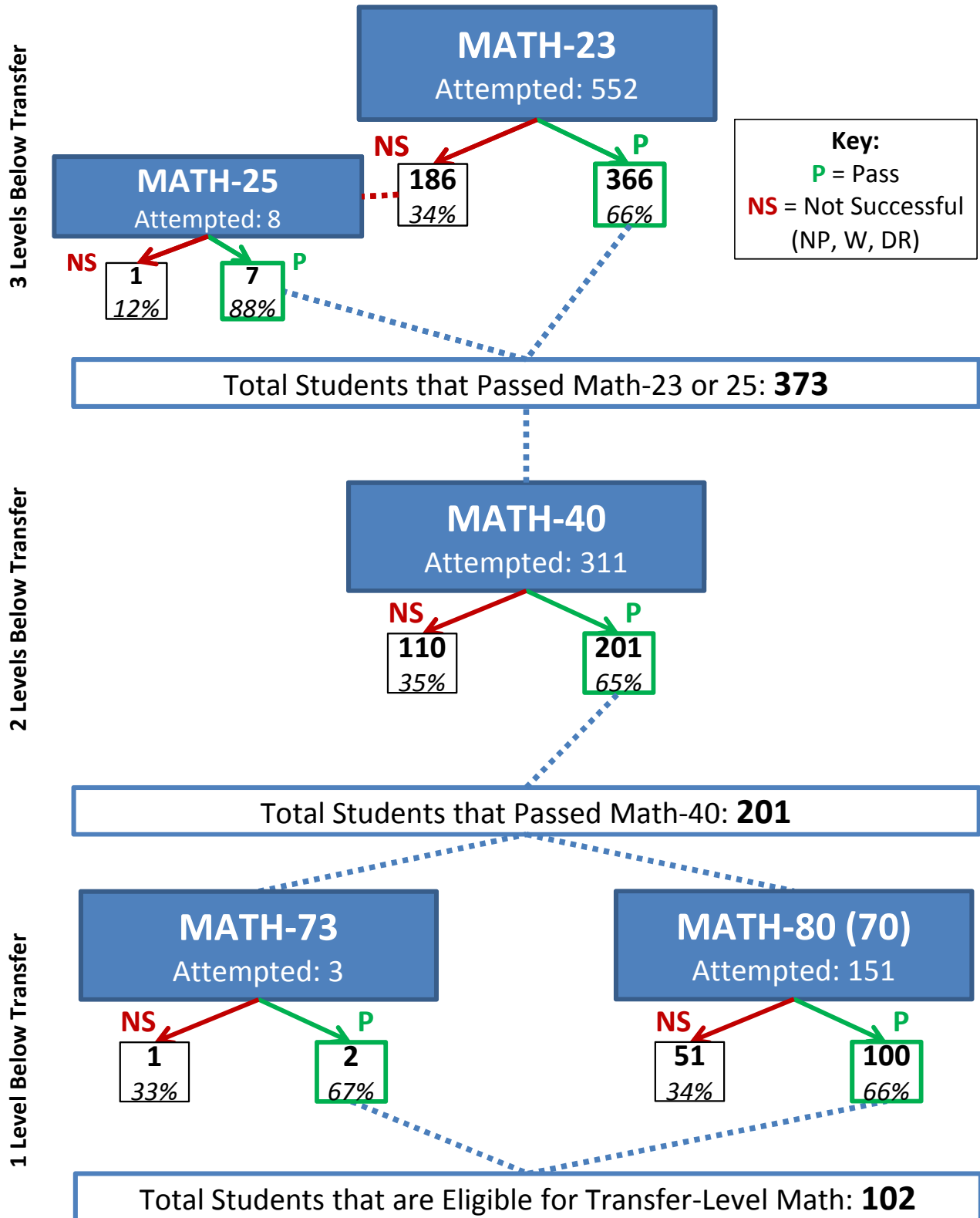
**Improvement Rate is the percentage of students that passed a subsequent Math course of those who passed Math-23 or 25

The Fall cohort had almost double the number of first time Math-23 or 25 students than the Spring cohort. The Fall cohort also had higher success rates in all the Basic Skills Math courses. For both cohorts, the success rates only dropped slightly across the courses on the track.

Students that enrolled and passed Math-23 or 25 in Fall 2007 or Spring 2008 were tracked to find how many students were successful in other courses on the Basic Skills Math courses. The Fall 2007 cohort had slightly higher improvement rates than did the Spring 2008 cohort. Both cohorts had similar improvement rates in the two-levels below and one-level below courses with almost half of the students who passed Math-23 or 25 passing Math-40 and a quarter of the students passing Math-73 or 80.

Tracking of El Camino College Students who First Attempted Math-23 in Fall 2007

Fall 2007 - Summer 2009 (8 Terms) n = 552 Students



Tracking of El Camino College Students who First Attempted Math-23 in Spring 2008

Spring 2008 - Winter 2010 (8 Terms) n = 301 Students

3 Levels Below Transfer

MATH-23
Attempted: 301

NS

112
37%

P

189
63%

Key:
P = Pass
NS = Not Successful
(NP, W, DR)

Total Students that Passed Math-23 or 25: **189**

2 Levels Below Transfer

MATH-40
Attempted: 152

NS

57
37%

P

95
63%

Total Students that Passed Math-40: **95**

1 Level Below Transfer

MATH-73
Attempted: 22

NS

7
32%

P

15
68%

MATH-80 (70)
Attempted: 45

NS

13
29%

P

32
71%

Total Students that are Eligible for Transfer-Level Math: **47**