



Santiago Canyon College Progress through Math Course Sequence (Fall 2003 Cohort)

Prepared by the RSCCD Research Department, June 2006

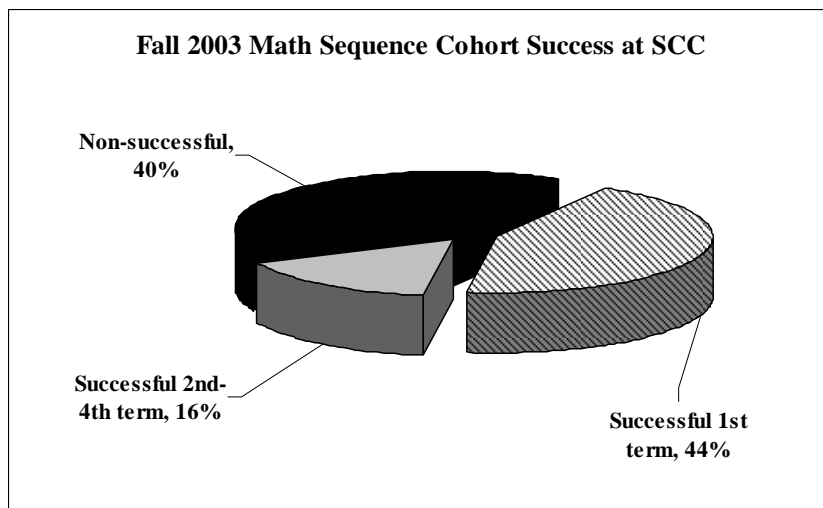
Background

Transcripts of students enrolled in Math courses at Santiago Canyon College in the Fall 2003 semester were analyzed to track the progress they made through the sequence courses. Course success (A,B,C,CR) for the current semester, as well as in coursework enrolled in through Fall 2005 (**not necessarily consecutive semesters**) was analyzed for the following courses:

- Math N05, N06, N48, 060, 070, 080, 105, 140, 145, 150, 160, 170, 180, 185, 219, 280, 290.

Summary of Findings

- Overall, 44% of Fall 2003 cohort students succeeded in their first attempt in that course.
 - Success rates in several courses varied sharply: Math 150 (33%), Math 070 (34%), Math 280 (81%), and Math 170 (75%).
- Overall, an additional 16% succeeded in their 2nd-4th attempts (a range of 0%-24%).
- Generally, one-quarter (25%) of the cohort's successful completers were also successful in coursework one level higher within 4 semesters; 8% went on to complete Math sequence coursework two levels higher.



Fall 2003 Course at SCC	Total # Enrolled	Summary of Math Sequence Course Completions at RSCCD within Four Semesters																		% Success in Fall 2003 Course		% Success at Higher Levels within 4 Semesters	
		N05	N06	N48	060	070	080	105	140	145	150	160	170	180	185	219	280	290	295	1st Attempt	2nd-4th Attempt	1 level higher	2 levels higher
		Math N06	143		78	43	17	0	2	1												44%	10%
Math N48	360			223	113		44	9	8			2				1				51%	11%	31%	12%
Math 060	574	1	1	4	329	9	170	48	28		4	6	3			11				39%	18%	31%	16%
Math 070	38					15	5		2			6	2							34%	5%	21%	0%
Math 080	481				7	5	298	98	78	3	10	15	5	3		24				40%	22%	45%	2%
Math 105	148						2	103	8		3	1	1			1				55%	15%	2%	1%
Math 140	326				1	3	2	24	177	1	29	7	6	3		25				37%	17%	9%	2%
Math 150	42							1	1		21	1	1			1	2			33%	17%	2%	2%
Math 160	55							3	3		2	36	14	7	1	5				53%	13%	4%	13%
Math 170	40							1	1		2		32	13	3	7				75%	5%	33%	n/a
Math 180	59							1	2		2		2	37	17	9	7	2		39%	24%	n/a	n/a
Math 185	69														54	8	25	3	2	64%	14%	n/a	n/a
Math 219	101				1			9	5		3	1		1	1	67				50%	16%	3%	0%
Math 280	21															1	17	2	6	81%	0%	n/a	n/a
Total	2457	1	79	270	468	32	523	298	313	4	76	75	66	64	77	161	49	7	8	44%	16%	25%	8%

1 level higher: Math N05/N06 (N48), Math N48 (060), Math 060 (070/080), Math 080 (105/140/145/160/219), Math 105/140/145/160/219 (150), Math 150 (170), Math 170 (180)

2 levels higher: Math N05/N06 (060), Math N48 (070/080), Math 060 (105/140/145/160/219), Math 070/080 (150), Math 105/140/145/160/219 (170)

Fall 2003 SCC Cohort			Success in Math Sequence Courses in Subsequent Semesters					
			2nd Semester		3rd Semester		4th Semester	
Course	Total # Enrolled	# success	Course	# success	Course	# success	Course	# success
N06	143	63	N06	11	N06	2	N06	1
					N48	2	N48	1
					N48	2	N48	2
					060	1	060	1
			N48	31	N06	1	N48	1
					N48	4	N48	1
					060	10	060	4
			060	0	N48	1	060	1
					060	1		
					080	0	105	1
N48	360	182	N06	0	060	1		
			N48	28	N48	9	N48	3
					060	8	060	2
					060	8	060	2
			060	69	N48	1		
					060	26	060	5
							080	5
					080	29	080	9
							105	8
							140	8
160	2							
219	1							
080	1	105	1					
060	574	225	N05	1	080	1		
			N48	3	60	2		
			060	75	N06	1		
					N48	1		
					060	20	060	7
					080	18	080	2
					080	11		
					105	3		
					140	3		
					219	2		
070	3	080	2	219	1			
080	103			105	1			
				140	1			
		070	6	160	1			
				219	1			

Fall 2003 SCC Cohort			Success in Math Sequence Courses in Subsequent Semesters						
			2nd Semester		3rd Semester		4th Semester		
Course	Total # Enrolled	# success	Course	# success	Course	# success	Course	# success	
					080	24	080	8	
							105	8	
							219	1	
					105	30	080	1	
							105	2	
							140	2	
							219	3	
					140	15	070	2	
							105	1	
							140	6	
							150	4	
					160	4	160	1	
							170	3	
					219	3	105	1	
140	1								
105	2								
140	1								
160	0	160	1						
070	38	13	070	2	080	1			
			080	4	140	0	140	1	
			140	0	160	0	160	1	
			160	3	160	1	140	1	
					160	1			
			170	2					
080	481	192	060	6	060	1			
					105	1			
					219	1			
			070	3	140	1	140		
					150	1			
			080	75	070	2	160	1	
					080	25	080	5	
							105	7	
							140	1	
							219	3	
					105	14	105	7	
					140	16	080	1	
			105	1					
140	5								
150	3								
160	1								

Fall 2003 SCC Cohort			Success in Math Sequence Courses in Subsequent Semesters									
			2nd Semester		3rd Semester		4th Semester					
Course	Total # Enrolled	# success	Course	# success	Course	# success	Course	# success				
					145	1						
					219	2	140	1	219	1		
			105	54	105	7	105	1				
					140	4	150	1				
			140	33	105	3						
					140	13	140	2	140	1		
							160	2	219	1		
							219	2	145	1		
					150	4	150	1	150	1		
							170	2	170	2		
					160	3	160	3	180	1		
			219	5								
			145	1								
			160	6	140	1	140	1				
					160	2	160	1	160	1		
							170	1	170	1		
					170	2	180	2				
			219	5	105	1	219	1				
					219	3	105	2				
							219	1				
			105	148	81	80	1					
						105	17	105	3			
								140	1			
140	5	080				1						
		105				2						
		140				2	150	1				
		150				1						
160	1	140				0	150	1				
		170				1						
		219	1									
140	326	122	070	2								
			080	2	105	1						
					140	1						

Fall 2003 SCC Cohort			Success in Math Sequence Courses in Subsequent Semesters							
			2nd Semester		3rd Semester		4th Semester			
Course	Total # Enrolled	# success	Course	# success	Course	# success	Course	# success		
			105	14	105	4				
					140	1				
					219	1				
			140	35	070	1				
					105	3				
					140	15			060	1
									105	1
									140	2
					150	3				
					150	4			150	4
					219	1	219	1		
			170	1						
			219	2						
			145	1			150	1		
			150	16			219	1		
							150	1		
			219	1						
			160	6			140	1	219	1
							160	1	170	1
							170	3		
							180	0	170	1
					219	1	219	1		
			170	0	180	1				
					219	1	180	1		
			180	1						
			219	14	105	1				
					219	1				
			150	42	14	105	0	105	1	219
140	1									
150	7	219				1				
160	1	170				1	185	1		
160	55	29	105	1						
			140	2	105	1				
					140	1				
					160	2				
			150	1						
			160	4		160	1	105	1	
						170	1	180	1	
			170	8		170	3	180	1	
180	3									

Fall 2003 SCC Cohort			Success in Math Sequence Courses in Subsequent Semesters						
			2nd Semester		3rd Semester		4th Semester		
Course	Total # Enrolled	# success	Course	# success	Course	# success	Course	# success	
					219	1			
			180	2	185	1	219	1	
			219	3	150	1			
					170	1	170	1	
170	40	30	150	2	219	1			
			170	2	180	0	180	1	
			180	7	140	1			
					180	4	185	1	
					185	2	105	1	
					219	5	180	1	
180	59	23	105	1					
			140	2					
			150	2					
			170	2	180	2	185	1	
			180	10	180	2	185	2	
					185	1	185	2	
					219	1	280	1	
			185	9	9	219	4	185	1
						280	4	280	2
						219	3	185	1
						219	1		
185	69	44	185	7	185	2	185	1	
					280	3	280	1	
					219	6	219	1	
			280	19	280	1			
					290	2	219	1	
					295	1	290	1	
					295	1	295	1	
219	101	51	060	1					
			105	6	105	1			
			140	4	150	0	150	1	
					219	2	140	1	
							219	1	

Fall 2003 SCC Cohort			Success in Math Sequence Courses in Subsequent Semesters								
			2nd Semester		3rd Semester		4th Semester				
Course	Total # Enrolled	# success	Course	# success	Course	# success	Course	# success			
			150	1	150	1					
			180	0	219	1					
			185	1							
						219	10	105	2	219	1
								160	1		
								180	1		
								219	1		
280	21	17	219	1							
			290	2	295	2					
			295	4							