## CNAS to CHASS SWIRL for Entering Freshmen Fall Quarters 2005-2011

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#### **Executive Summary**

- Approximately one-third of students who started in CNAS during the study period switched to a major in another college. This trend has been consistent over time.
  - Of the students who switched to a major within another college, almost 3% switched back to a CNAS major.
  - Students switched college majors more often in their second or third year at UCR.
  - A large percentage (25-35%) of students who switched to a major in another college switched to a major within CHASS.
- Approximately 30% of students who began in CNAS did not finish their degrees.
- More than one-quarter of students who began a major in CNAS withdrew from UCR at least once.
  - Students who withdrew typically withdrew from the university in their second or third year.
- About 5% of students who began a major in CNAS were dismissed from UCR due to poor grades.

#### Introduction

In each of his State of the Union messages over the past three years, President Barack Obama has focused on overhauling STEM education. He launched the "Educate to Innovate" program in 2009 to address America's increasing lag in STEM preparation in primary and secondary schools as a means to expand and strengthen the educational pipeline into STEM fields (Office of the Press Secretary 2009). A 2012 report by the President's Council of Advisors on Science and Technology (PCAST) forecasted a need for approximately 1 million more STEM professionals for the United States to retain leadership in mathematics and science innovation. This projection would necessitate a 34% increase annually in the number of students who receive undergraduate STEM degrees (PCAST 2012). Despite the large amount of funding spent on producing more STEM graduates, the percentage of students pursuing and obtaining STEM undergraduate degrees has remained virtually unchanged over recent years (NCES 2012). National research on the 2003-2004 cohort found that almost 30% of students who began in a STEM major earned a degree in that major. Another 35% earned a degree in a different STEM major, and another 30% earned a degree or were enrolled in a non-STEM major (PCAST 2012).

UC Riverside has historically graduated approximately 30% of students who begin in a major within the College of Natural and Agricultural Sciences (CNAS). The undergraduate college enrollment makes up approximately 15% of the university. Nationally, the graduation rates of students in science, technology, engineering, and mathematics (STEM) fields has also been low (approximately 41%). With fewer college graduates qualified to fill the increasing vacancies in this area across the United States, it is important that we find ways to support and graduate our students in STEM fields.

This report examines academic trends of students who began their careers at UC Riverside in a CNAS major from 2005 through 2011.

#### Persistence and Change in CNAS Majors

The tables in Appendix A summarize the percentage of students in various demographic groups who elected to stay within CNAS or change their major to another college at any time they were enrolled at UC Riverside. Each table represents a different cohort of first-time freshmen CNAS students. Tables 1 and 2 include six years of data for the 2005 and 2006 freshmen cohorts, 2007 includes five years (Table 3), and 2008 includes four years of data (Table 4). For the 2005 through 2008 cohorts (Tables 1-4), approximately one-third of students elected to change their major to another college. A majority of these students (30%) switched to a major in the College of Humanities, Arts, and Social Sciences (CHASS).

Tables 5-7 include less than four years of data for each cohort. Here, the trend toward one-third of students changing their major begins to develop. Table 5 displays the changes in major for the 2009 entering CNAS freshmen cohort. Within three years of starting at UCR, almost one-third of CNAS students changed to a major in CHASS by the end of spring 2012. Table 6 shows data for the 2010 freshmen CNAS cohort. After two years at UCR, almost 25% of CNAS students switched to a CHASS major. Table 7 shows the 2011 entering freshmen CNAS cohort after one year at UCR. Very few students in CNAS switched their major within their first year (~7%). This suggests that many of the changes in major occur within the second or third year of enrollment at UCR.

To better understand when students switched out of a CNAS major, we examined what year these changes took place for students in each cohort (see Table 8). As suspected, we found that most students elected to switch their major sometime during their second or third year at UCR.

It is possible – indeed probable – that changes in CNAS admissions will improve completion rates in the future. It will be important to track the connection between changes in admission policy and changes in completion rates.

### **Demographic Trends**

These data indicate that in most cohorts female, Hispanic, and especially African-American students were more likely to switch out of CNAS than other students. In the 2008 and 2009 cohorts, first-generation students were also more likely to switch out of CNAS. Students from these groups would appear to be at higher risk for non-completion in CNAS.

### **Dismissal and Withdrawal**

Tables 9 through 15 (see Appendix B) display the percentage of students in each cohort who withdrew or were dismissed at least once from UCR. Overall, relatively few students (~5%) are dismissed but 25-30% withdrew at least once. Less than one-percent of students were dismissed and re-enrolled while approximately 7% of students withdrew and re-enrolled. The tables in Appendix B include withdrawals and dismissals through fall 2012.

As of end of term fall 2012, less than 1% of the 2011 CNAS freshman cohort was dismissed. Only two individuals in the 2011 cohort were dismissed during the first year. The permanent withdrawal rate for the 2011 cohort was 9.1%. No student who withdrew has returned yet.

Tables 16 and 17 examine when students were dismissed or withdrew from UCR for each cohort of CNAS students. Students were typically dismissed early in their career at UCR. Students withdrew from UCR most frequently during their second or third year in the program.

## Four and Six-Year Graduation Rates

Tables 18 through 21 (Appendix C) show the four-year graduation rates of CNAS entering freshmen for the 2005, 2006, 2007, and 2008 cohorts respectively. The percentages displayed are out of the total number of CNAS students who had a major within each college. We see that approximately one-third of students who start in a CNAS major graduated from CNAS within four years. Approximately one-third of students who switched to a CHASS major graduated from CHASS within four years. We find the same trend for students who switched to a major within BCoE. It is possible the low graduation rates after four years are due to students having to take additional courses to succeed in a major within a new college.

Tables 22 and 23 (Appendix C) display the six-year graduation rates for the 2005 and 2006 cohorts of CNAS freshmen. Just over 55% of students who stay in CNAS graduate with a degree in CNAS after six years. Over three-quarters of students who switch to a CHASS major graduate with a degree in CHASS after six years. Students who switched to a major in SoBA or BCoE were able to graduate within six years.

#### REFERENCES

Office of the Press Secretary. 2009. "President Obama Launches 'Educate to Innovate' Campaign for Excellence in Science, Technology, Engineering and Math (STEM) Education. <u>www.whitehouse.gov</u>. <u>http://www.whitehouse.gov/the-press-office/president-obama-launches-</u> educate-innovate-campaign-excellence-science-technology-en. Retrieved February 28, 2013.

President's Council of Advisors on Science and Technology (PCAST). 2012. "Engage to Excel: Producing One Million Additional College Graduates with Degrees in Science, Technology, Engineering, and Mathematics." <u>www.whitehouse.gov</u>. <u>http://www.whitehouse.gov/sites/default/files/microsites/ostp/pcast-engage-to-excel-final\_feb.pdf</u>. Retrieved February 28, 2013.

Table 1. 2005 Changes in College Major for entering CNAS students by background characteristics							
	CNAS	CHASS	SoBA	BCoE	Ν		
Male	68.4%	24.5%	4.9%	2.2%	490		
Female	60.2%	36.0%	3.3%	0.5%	578		
Hispanic	53.7%	41.8%	2.0%	2.5%	244		
Asian	67.0%	26.4%	6.1%	0.5%	545		
White	73.7%	23.3%	1.8%	1.2%	167		
African American	55.6%	41.2%	0.0%	3.2%	63		
Native American	25.0%	75.0%	0.0%	0.0%	4		
Unknown/Other	62.3%	31.1%	4.4%	2.2%	45		
Low Income	60.9%	33.7%	3.6%	1.8%	335		
Non-Low Income	65.4%	29.3%	4.2%	1.1%	733		
First Generation	59.3%	35.6%	3.8%	1.3%	391		
Non-First Gen.	66.6%	27.9%	4.2%	1.3%	677		
Total	64.0%	30.7%	4.0%	1.3%	1,068		

## APPENDIX A Changes in College Major for CNAS Freshmen by Cohort

Table 2. 2006 Changes in College Major for entering CNAS students by background characteristics							
	CNAS	CHASS	SoBA	BCoE	N		
Male	66.5%	25.8%	3.1%	4.6%	546		
Female	62.6%	34.6%	2.6%	0.2%	696		
Hispanic	62.9%	35.5%	1.0%	0.6%	310		
Asian	65.2%	27.7%	4.2%	2.9%	592		
White	67.6%	29.8%	0.5%	2.1%	188		
African American	56.5%	40.0%	2.3%	1.2%	85		
Native American	100.0%	0.0%	0.0%	0.0%	2		
Unknown/Other	63.1%	27.7%	6.1%	3.1%	65		
Low Income	62.0%	32.9%	2.6%	2.5%	529		
Non-Low Income	66.1%	29.2%	3.0%	1.7%	713		
First Generation	64.7%	31.3%	2.4%	1.6%	616		
Non-First Gen.	64.0%	30.2%	3.2%	2.6%	626		
Total	64.3%	30.8%	2.8%	2.1%	1,242		

Table 3. 2007 Char	Table 3. 2007 Changes in College Major for entering CNAS students by background characteristics								
	CNAS	CHASS	SoBA	BCoE	Ν				
Male	66.9%	28.1%	2.5%	2.5%	592				
Female	60.0%	37.7%	1.4%	0.9%	701				
Hispanic	59.9%	37.2%	1.3%	1.6%	317				
Asian	64.6%	31.2%	2.7%	1.5%	675				
White	70.2%	26.4%	0.6%	2.8%	178				
African American	47.4%	51.3%	1.3%	0.0%	76				
Native American	50.0%	50.0%	0.0%	0.0%	8				
Unknown/Other	66.7%	28.2%	2.6%	2.5%	39				
Low Income	62.2%	34.2%	2.0%	1.6%	492				
Non-Low Income	63.8%	32.7%	1.9%	1.6%	801				
First Generation	63.1%	33.6%	1.6%	1.7%	631				
Non-First Gen.	63.3%	32.9%	2.3%	1.5%	662				
Total	63.2%	33.3%	1.9%	1.6%	1,293				

Table 4. 2008 Char	Table 4. 2008 Changes in College Major for entering CNAS students by background characteristics								
	CNAS	CHASS	SoBA	BCoE	Ν				
Male	69.0%	24.6%	2.6%	3.8%	659				
Female	55.4%	42.5%	1.6%	0.5%	828				
Hispanic	54.4%	43.9%	1.5%	0.2%	419				
Asian	65.5%	29.4%	2.8%	2.3%	693				
White	66.5%	27.8%	1.0%	4.7%	194				
African American	51.3%	46.1%	0.9%	1.7%	115				
Native American	0.0%	75.0%	25.0%	0.0%	4				
Unknown/Other	71.0%	25.8%	1.6%	1.6%	62				
Low Income	55.3%	41.3%	1.9%	1.5%	535				
Non-Low Income	64.9%	30.8%	2.1%	2.2%	952				
First Generation	55.6%	41.4%	1.7%	1.3%	752				
Non-First Gen.	67.5%	27.6%	2.3%	2.6%	735				
Total	61.5%	34.6%	2.0%	1.9%	1,487				

Table 5. 2009 Changes in College Major for entering CNAS students by background characteristics							
	CNAS	CHASS	SoBA	BCoE	Ν		
Male	67.1%	24.2%	4.1%	4.6%	699		
Female	58.5%	39.0%	1.1%	1.4%	901		
Hispanic	54.6%	41.6%	1.6%	2.2 %	445		
Asian	67.7%	25.8%	3.1%	3.4%	770		
White	69.3%	26.1%	2.3%	2.3%	215		
African American	48.0%	48.0%	2.4%	1.6%	125		
Native American	66.7%	33.3%	0.0%	0.0%	3		
Unknown/Other	50.0%	45.2%	0.0%	4.8%	42		
Low Income	58.7%	37.4%	1.7%	2.2%	629		
Non-Low Income	64.6%	29.3%	2.9%	3.2%	971		
First Generation	58.7%	37.1%	2.4%	1.8%	786		
Non-First Gen.	65.7%	28.0%	2.5%	3.8%	814		
Total	62.3%	32.5%	2.4%	2.8%	1,600		

Table 6. 2010 Changes in College Major for entering CNAS students by background characteristics								
	CNAS	CHASS	SoBA	BCoE	N			
Male	77.1%	17.9%	1.3%	3.7%	725			
Female	68.1%	29.6%	1.4%	0.9%	949			
Hispanic	65.6%	32.4%	0.7%	1.3%	543			
Asian	75.1%	20.5%	1.8%	2.6%	771			
White	76.7%	19.1%	0.9%	3.3%	210			
African American	75.8%	23.1%	1.1%	0.0%	91			
Native American	66.7%	33.3%	0.0%	0.0%	6			
Unknown/Other	67.9%	26.4%	1.9%	3.8%	53			
Low Income	70.1%	27.4%	1.1%	1.4%	931			
Non-Low Income	74.3%	21.0%	1.6%	3.1%	743			
First Generation	70.3%	27.1%	1.4%	1.2%	900			
Non-First Gen.	73.9%	21.6%	1.3%	3.2%	774			
Total	72.0%	24.6%	1.3%	2.1%	1,674			

Table 7. 2011 Changes in College Major for entering CNAS students by background characteristics								
	CNAS	CHASS	SoBA	BCoE	Ν			
Male	92.8%	6.1%	0.0%	1.1%	446			
Female	92.8%	6.6%	0.0%	0.6%	625			
Hispanic	89.6%	9.8%	0.0%	0.6%	357			
Asian	94.4%	4.6%	0.0%	1.0%	497			
White	93.0%	5.6%	0.0%	1.4%	142			
African American	96.3%	3.7%	0.0%	0.0%	54			
Native American	100.0%	0.0%	0.0%	0.0%	1			
Unknown/Other	100.0%	0.0%	0.0%	0.0%	20			
Low Income	92.4%	7.4%	0.0%	0.2%	596			
Non-Low Income	93.3%	5.0%	0.0%	1.7%	475			
First Generation	91.9%	7.3%	0.0%	0.8%	615			
Non-First Gen.	94.1%	5.0%	0.0%	0.9%	456			
Total	92.8%	6.4%	0.0%	0.8%	1,071			

	2005	2006	2007	2008	2009	2010	2011
Year 1	4.8%	4.9%	5.4%	8.4%	8.1%	8.6%	5.0%
Year 2	10.8%	11.6%	10.2%	12.4%	10.6%	13.6%	2.2%*
Year 3	11.4%	10.9%	15.0%	14.4%	18.6%	5.8%*	
Year 4	7.4%	7.0%	5.9%	5.2%	1.5%*		
Year 5	1.9%	2.5%	1.8%	1.0%*			
Year 6	0.8%	0.6%	0.6%*				
N	1,068	1,242	1,293	1,487	1,600	1,674	1,071

\*As of end of term fall 2012

Table 9. 2005 Disn	Table 9. 2005 Dismissal and Withdrawal by background characteristics									
	Dismissed and did not re-enroll	Dismissed and re-enrolled	Withdrew and did not re- enroll	Withdrew and re-enrolled	Ν					
Male	4.9%	0.8%	29.8%	7.3%	490					
Female	5.7%	0.9%	27.7%	7.3%	578					
Hispanic	6.6%	0.4%	28.7%	8.6%	244					
Asian	4.2%	1.3%	28.8%	7.5%	545					
White	5.4%	0.6%	29.3%	5.4%	167					
African American	11.1%	0.0%	28.6%	7.9%	63					
Native American			25.0%	0.0%	4					
Unknown/Other	4.4%	0.0%	24.5%	4.4%	45					
Low Income	4.2%	0.9%	27.2%	9.8%	335					
Non-Low Income	5.9%	0.8%	29.3%	6.1%	733					
First Generation	5.4%	0.5%	28.4%	7.7%	391					
Non-First Gen.	5.3%	1.0%	28.8%	7.1%	677					
Total	5.4%	0.8%	28.7%	7.3%	1,068					

## APPENDIX B Dismissal and Withdrawal by CNAS Freshmen Cohort

Table 10. 2006 Dismissal and Withdrawal by background characteristics									
	Dismissed and did not re-enroll	Dismissed and re-enrolled	Withdrew and did not re-	Withdrew and re-enrolled	Ν				
	ulu not re-em on	re-em oneu	enroll	re-em oneu					
Male	3.5%	0.9%	28.9%	7.9%	546				
Female	5.9%	0.7%	26.7%	8.5%	696				
Hispanic	8.4%	1.3%	34.8%	7.4%	310				
Asian	3.7%	0.5%	24.2%	8.9%	592				
White	3.2%	0.5%	28.7%	4.8%	188				
African American	4.7%	1.2%	29.4%	14.1%	85				
Native American			50.0%	50.0%	2				
Unknown/Other	3.1%	1.5%	20.0%	6.1%	65				
Low Income	6.2%	1.0%	27.6%	7.0%	529				
Non-Low Income	3.8%	0.7%	27.8%	9.1%	713				
First Generation	7.0%	1.1%	28.7%	7.3%	616				
Non-First Gen.	2.7%	0.5%	26.7%	9.1%	626				
Total	4.8%	0.8%	27.7%	8.2%	1,242				

Table 11. 2007 Dis	Table 11. 2007 Dismissal and Withdrawal by background characteristics									
	Dismissed and	Dismissed and	Withdrew and	Withdrew and	Ν					
	did not re-enroll	re-enrolled	did not re-	re-enrolled						
			enroll							
Male	6.8%	1.3%	26.7%	10.0%	592					
Female	5.6%	2.6%	28.3%	6.4%	701					
Hispanic	9.5%	1.9%	29.7%	6.6%	317					
Asian	5.3%	2.2%	25.2%	8.0%	675					
White	5.1%	1.7%	30.9%	10.1%	178					
African American	2.6%	0.0%	29.0%	10.5%	76					
Native American	0.0%	12.5%	50.0%	0.0%	8					
Unknown/Other	5.1%	2.6%	28.2%	7.7%	39					
Low Income	7.5%	2.4%	29.9%	6.7%	492					
Non-Low Income	5.2%	1.8%	26.1%	8.9%	801					
First Generation	7.0%	2.1%	30.0%	7.4%	631					
Non-First Gen.	5.3%	2.0%	25.2%	8.6%	662					
Total	6.1%	2.0%	27.5%	8.0%	1,293					

Table 12. 2008 Dis	Table 12. 2008 Dismissal and Withdrawal by background characteristics									
	Dismissed and did not re-enroll	Dismissed and re-enrolled	Withdrew and did not re-	Withdrew and re-enrolled	Ν					
		0.001	enroll	<b>7</b> .0-1	150					
Male	5.0%	0.8%	22.3%	5.0%	659					
Female	5.3%	0.9%	24.6%	5.9%	828					
Hispanic	7.9%	0.5%	27.0%	5.5%	419					
Asian	4.5%	1.2%	23.7%	6.2%	693					
White	2.6%	0.5%	20.1%	3.6%	194					
African American	4.4%	0.0%	15.6%	4.4%	115					
Native American			25.0%	25.0%	4					
Unknown/Other	4.8%	1.6%	25.8%	4.8%	62					
Low Income	6.9%	1.3%	24.3%	4.9%	535					
Non-Low Income	4.2%	0.5%	23.2%	5.9%	952					
First Generation	6.4%	0.8%	23.5%	6.0%	752					
Non-First Gen.	4.0%	0.8%	23.7%	5.0%	735					
Total	5.2%	0.8%	23.6%	5.5%	1,487					

Table 13. 2009 Dis	Table 13. 2009 Dismissal and Withdrawal by background characteristics							
	Dismissed and did not re-enroll	Dismissed and re-enrolled	Withdrew and did not re-	Withdrew and re-enrolled	Ν			
			enroll	re enreneu				
Male	4.7%	0.9%	19.5%	3.6%	699			
Female	5.3%	0.8%	19.1%	3.8%	901			
Hispanic	5.4%	0.7%	23.6%	2.9%	445			
Asian	5.2%	1.0%	15.7%	3.3%	770			
White	4.2%	0.0%	22.3%	3.7%	215			
African American	4.8%	1.6%	16.8%	8.0%	125			
Native American			66.7%	0.0%	3			
Unknown/Other	4.8%	0.0%	26.2%	7.1%	42			
Low Income	7.2%	0.8%	21.6%	3.3%	629			
Non-Low Income	3.7%	0.8%	17.7%	3.9%	971			
First Generation	6.4%	0.8%	20.2%	2.8%	786			
Non-First Gen.	3.8%	0.9%	18.3%	4.5%	814			
Total	5.1%	0.8%	19.2%	3.7%	1,600			

Table 14. 2010 Dis	Table 14. 2010 Dismissal and Withdrawal by background characteristics							
	Dismissed and did not re-enroll	Dismissed and re-enrolled	Withdrew and did not re- enroll	Withdrew and re-enrolled	Ν			
Male	4.7%	0.3%	14.8%	1.9%	725			
Female	5.6%	0.5%	16.9%	2.1%	949			
Hispanic	6.4%	0.2%	19.5%	1.7%	543			
Asian	5.6%	0.4%	14.1%	2.6%	771			
White	2.9%	0.5%	14.3%	0.5%	210			
African American	2.2%	0.0%	12.1%	3.3%	91			
Native American					6			
Unknown/Other	1.9%	1.9%	20.8%	1.9%	53			
Low Income	6.6%	0.5%	16.2%	2.2%	931			
Non-Low Income	3.5%	0.3%	15.6%	1.9%	743			
First Generation	6.2%	0.4%	18.8%	2.3%	900			
Non-First Gen.	4.0%	0.4%	12.7%	1.7%	774			
Total	5.2%	0.4%	16.0%	2.0%	1,674			

Table 15. 2011 Dis	Table 15. 2011 Dismissal and Withdrawal by background characteristics							
	Dismissed and did not re-enroll	Dismissed and re-enrolled	Withdrew and did not re- enroll	Withdrew and re-enrolled	N			
Male	0.5%	0.0%	8.7%	0.0%	446			
Female			9.3%	0.0%	625			
Hispanic			11.8%	0.0%	357			
Asian	0.4%	0.0%	7.0%	0.0%	497			
White			7.8%	0.0%	142			
African American			9.3%	0.0%	54			
Native American					1			
Unknown/Other			20.0%	0.0%	20			
Low Income	0.2%	0.0%	10.9%	0.0%	596			
Non-Low Income	0.2%	0.0%	6.7%	0.0%	475			
First Generation			10.7%	0.0%	615			
Non-First Gen.	0.4%	0.0%	6.8%	0.0%	456			
Total	0.2%	0.0%	9.1%	0.0%	1,071			

	2005	2006	2007	2008	2009	2010	2011
Year 1	3.4%	3.1%	3.0%	1.3%	3.4%	2.7%	0.2%
Year 2	1.7%	1.6%	2.5%	3.0%	0.9%	1.5%	0.0%*
Year 3	1.0%	0.6%	2.2%	0.6%	0.1%	1.4%*	
Year 4	0.1%	0.2%	0.1%	0.1%	1.4%*		
Year 5	0.0%	0.1%	0.0%	0.9%*			
Year 6	0.0%	0.0%	0.4%*				
N	1,068	1,242	1,293	1,487	1,600	1,674	1,071

\*As of end of term fall 2012

Table 17. When do students withdraw?								
	2005	2006	2007	2008	2009	2010	2011	
Year 1	4.8%	4.8%	5.6%	3.8%	3.6%	4.4%	3.6%	
Year 2	10.8%	13.4%	11.1%	10.3%	9.2%	9.3%	5.5%*	
Year 3	11.4%	7.6%	7.4%	9.5%	8.4%	4.4%*		
Year 4	7.4%	5.0%	5.6%	3.7%	1.7%*			
Year 5	1.9%	3.2%	4.6%	1.8%*				
Year 6	0.7%	1.8%	1.3%*					
Ν	1,068	1,242	1,293	1,487	1,600	1,674	1,071	

\*As of end of term fall 2012

Table 18. 2005 4-yea	Table 18. 2005 4-year Graduation Rates for Entering Freshmen who switched from CNAS							
	CNAS	CHASS	SoBA	BCoE	Ν			
4-year Grad Rate	34.6%	34.2%	72.1%	35.7%				
Male	33.7%	25.0%	58.3%	36.4%	490			
Female	35.3%	39.4%	89.5%	33.3%	578			
Hispanic	25.2%	29.4%	40.0%	0.0%	244			
Asian	37.5%	30.6%	72.7%	33.3%	545			
White	39.9%	51.3%	100.0%	100.0%	167			
African American	22.9%	38.5%		50.0%	63			
Native American	100.0%	66.7%			4			
Unknown/Other	28.6%	42.9%	100.0%	100.0%	45			
Low Income	33.3%	23.0%	83.3%	16.7%	335			
Non-Low Income	35.1%	40.0%	67.7%	50.0%	733			
First Generation	34.0%	32.4%	73.3%	0.0%	391			
Non-First Gen.	34.8%	35.4%	71.4%	55.6%	677			
Ν	683	328	43	14	1,068			

# APPENDIX C Four- and Six-year Graduation Rates for CNAS Freshmen by Cohort

Table 19. 2006 4-yea	Table 19. 2006 4-year Graduation Rates for Entering Freshmen who switched from CNAS							
	CNAS	CHASS	SoBA	BCoE	Ν			
4-year Grad Rate	35.2%	36.4%	74.3%	38.5%				
Male	33.6%	31.2%	58.8%	36.0%	546			
Female	36.5%	39.4%	88.9%	100.0%	696			
Hispanic	20.5%	31.8%	66.7%	50.0%	310			
Asian	39.9%	32.9%	76.0%	47.1%	592			
White	47.2%	57.1%	100.0%	25.0%	188			
African American	18.8%	32.4%	50.0%	0.0%	85			
Native American	0.0%				2			
Unknown/Other	43.9%	38.9%	75.0%	0.0%	65			
Low Income	27.1%	32.2%	85.7%	30.8%	529			
Non-Low Income	40.8%	39.9%	66.7%	46.2%	713			
First Generation	26.9%	34.2%	86.7%	40.0%	616			
Non-First Gen.	43.4%	38.6%	65.0%	37.5%	626			
Ν	799	382	35	26	1,242			

Table 20. 2007 4-year	Table 20. 2007 4-year Graduation Rates for Entering Freshmen who switched from CNAS							
	CNAS	CHASS	SoBA	BCoE	Ν			
4-year Grad Rate	37.6%	30.5%	76.0%	42.9%				
Male	37.9%	25.3%	73.3%	33.3%	592			
Female	37.3%	33.7%	80.0%	66.7%	701			
Hispanic	27.4%	32.2%	50.0%	60.0%	317			
Asian	42.0%	30.8%	77.8%	40.0%	675			
White	38.4%	29.8%	100.0%	40.0%	178			
African American	33.3%	28.2%	100.0%		76			
Native American	0.0%	25.0%			8			
Unknown/Other	46.2%	18.2%	100.0%	0.0%	39			
Low Income	29.4%	32.7%	70.0%	37.5%	492			
Non-Low Income	42.5%	29.0%	80.0%	46.2%	801			
First Generation	32.2%	33.5%	70.0%	27.3%	631			
Non-First Gen.	42.7%	27.5%	80.0%	60.0%	662			
N	817	430	25	21	1,293			

Table 21. 2008 4-yea	Table 21. 2008 4-year Graduation Rates for Entering Freshmen who switched from CNAS							
	CNAS	CHASS	SoBA	BCoE	Ν			
4-year Grad Rate	43.4%	42.0%	70.0%	27.6%				
Male	45.3%	34.0%	58.8%	32.0%	659			
Female	41.6%	45.7%	84.6%	0.0%	828			
Hispanic	24.1%	41.8%	50.0%	0.0%	419			
Asian	48.9%	43.6%	79.0%	31.2%	693			
White	56.6%	38.9%	100.0%	11.1%	194			
African American	44.1%	37.7%	0.0%	50.0%	115			
Native American		33.3%	0.0%		4			
Unknown/Other	47.7%	50.0%	100.0%	100.0%	62			
Low Income	34.1%	40.3%	70.0%	50.0%	535			
Non-Low Income	47.9%	43.3%	70.0%	19.0%	952			
First Generation	39.2%	41.2%	61.5%	40.0%	752			
Non-First Gen.	47.0%	43.4%	76.5%	21.0%	735			
Ν	914	514	30	29	1,487			

Table 22. 2005 6-yea	Table 22. 2005 6-year Graduation Rates for Entering Freshmen who switched from CNAS							
	CNAS	CHASS	SoBA	BCoE	N			
6-year Grad Rate	56.7%	77.4%	100.0%	100.0%				
Male	57.9%	72.5%	100.0%	100.0%	490			
Female	55.5%	80.3%	100.0%	100.0%	578			
Hispanic	49.6%	76.5%	100.0%	100.0%	244			
Asian	60.0%	74.3%	100.0%	100.0%	545			
White	57.7%	79.5%	100.0%	100.0%	167			
African American	45.7%	84.6%		100.0%	63			
Native American	100.0%	66.7%			4			
Unknown/Other	53.6%	100.0%	100.0%	100.0%	45			
Low Income	58.8%	76.1%	100.0%	100.0%	335			
Non-Low Income	55.7%	78.1%	100.0%	100.0%	733			
First Generation	53.4%	79.9%	100.0%	100.0%	391			
Non-First Gen.	58.3%	75.7%	100.0%	100.0%	677			
Ν	683	328	43	14	1,068			

Table 23. 2006 6-year Graduation Rates for Entering Freshmen who switched from CNAS							
-	CNAS	CHASS	SoBA	BCoE	Ν		
6-year Grad Rate	55.9%	81.9%	100.0%	92.3%			
Male	57.6%	77.3%	100.0%	92.0%	546		
Female	54.6%	84.7%	100.0%	100.0%	696		
Hispanic	39.0%	80.9%	100.0%	100.0%	310		
Asian	62.4%	82.3%	100.0%	94.1%	592		
White	59.8%	83.9%	100.0%	75.0%	188		
African American	52.1%	79.4%	100.0%	100.0%	85		
Native American	50.0%				2		
Unknown/Other	68.3%	83.3%	100.0%	100.0%	65		
Low Income	51.5%	85.6%	100.0%	92.3%	529		
Non-Low Income	59.0%	78.8%	100.0%	92.3%	713		
First Generation	50.0%	84.5%	100.0%	100.0%	616		
Non-First Gen.	61.9%	79.4%	100.0%	87.5%	626		
N	799	382	35	26	1,242		