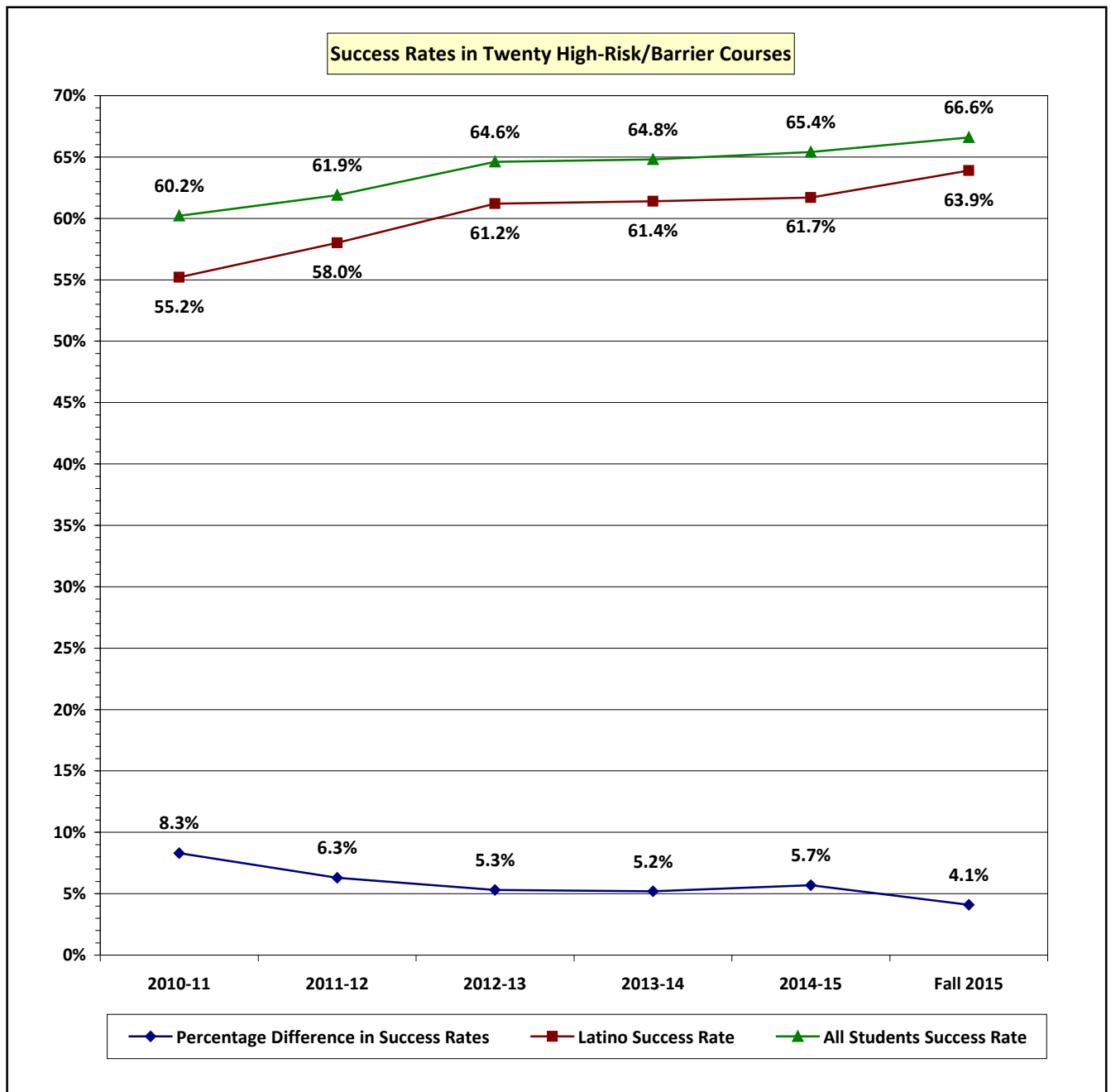


Summary

Objective 5 of the *Velocidad* Grant addresses the success rate **gap** between Hispanic students and all VC students in twenty high-risk/barrier courses. The goal is to **decrease** the **overall gap** from **8.3%** to **5.6%** by September 2017.

- Over the last four years:
- a) Overall success rates have **increased** for both groups
 - b) The overall **gap** has **decreased** from **8.3%** to **4.1%** in fall 2015
 - c) The overall **gap** was below **5.6%** in 2012-13, 2013-14, and fall 2015

The chart depicts overall success rates in the twenty courses for All Students (**green line**) and for Hispanic Students (**red line**). The Percentage Difference (**gap**) in Success Rates is rendered in **blue**.



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Introduction

The Title V – Velocidad Grant lists **20 High-Risk or Barrier Courses** at VC which are impeding the progress of students with educational goals of transfer and/or degree (pages 9 –10, Velocidad Grant). Additionally, success rates for Hispanic students in these courses are **lower** than success rates for all students in the courses. The twenty high-risk/barrier courses were identified using success data for the fall 2010 and spring 2011 terms. The 2010-2011 success rates serve as grant’s baseline data.

Tables on pages 2 – 5 provide success rate data for 2010-2011 through fall 2015

Success Rate Comparisons

Success in a course is defined as a final grade of A, B, IB, C, IC, P, or IPP. Data in **Table A** are used to determine whether the gap between the success rates of Hispanic Students and All Students has **narrowed** or **widened** in **fall 2015** as compared to **2010-2011**. **Positive** numbers in the “Change in Gap” column mean that the gap has **narrowed**; **negative** numbers mean that the gap has **widened**.

On average, the gap between success rates of Hispanic and All Students has **narrowed** by **51%**.

Table A. Success Rates of Hispanic Students Compared to Success Rates for All Students (2010–2011 and fall 2015)

20 High-Risk or Transfer Barrier Courses		Differences Between the Success Rates of Hispanic and All Students		Change in Gap 2010–2011 to fall 2015	
		2010 – 2011	Fall 2015	Percentage Points	Percentage Change
Course	Course Title				
ENGL V01A	English Composition	-4.3%	-2.5%	1.8	42.7%
MATH V03	Intermediate Algebra	-10.4%	-5.4%	4.9	47.5%
BIOL V01	Principles of Biology	-17.9%	-5.4%	12.5	69.9%
ENGL V02	Fundamentals of English Composition	-4.4%	-1.2%	3.1	71.4%
ART V01	Art Appreciation	-12.6%	-4.0%	8.6	68.2%
POLS V01	American Government	-5.6%	-3.4%	2.1	38.3%
PHIL V01	Introduction to Philosophy	-5.1%	-6.0%	-0.9	-17.8%
MATH V44	Elementary Statistics	-8.5%	-5.0%	3.5	41.3%
GEOG V01	Elements of Physical Geography	-12.8%	-8.7%	4.1	31.8%
HIST V07A	United States History I	-6.3%	-2.8%	3.5	55.5%
MATH V04	College Algebra	-9.6%	-16.3%	-6.7	-69.4%
ECON V01A	Principles of Macro-Economics	-14.1%	-3.6%	10.5	74.8%
ANTH V01	Physical Anthropology	-9.2%	-5.6%	3.6	39.4%
AST V01	Elementary Astronomy	-25.5%	-7.7%	17.9	69.9%
POLS V03	Introduction to Political Science	-2.0%	-3.3%	-1.3	-66.7%
MUS V08	Music Appreciation	-3.3%	-7.3%	-4.0	-121.8%
BUS V30	Introduction to Business	-10.3%	-4.2%	6.1	59.0%
CHEM V20	Elementary Chemistry	-9.8%	-2.2%	7.6	78.0%
CJ V01	Introduction to Criminal Justice	-3.9%	2.0%	6.0	151.5%
MATH V21A	Calculus and Analytic Geometry I	-11.8%	-1.6%	10.2	86.2%
Average Differences		- 8.3%	- 4.1%	4.2	50.6%

Change in Gap – Formulae:

Percentage Points: (Success Rate Difference fall 2015) **minus** (Success Rate Difference 2010–2011)
Indicates the extent of the Change in Gap: **Positive** points show that the gap has **narrowed**

Percentage Change: [(Percentage Points) **divided by** (Success Rate Difference 2010–2011)] **times** 100
Degree of change between “Success Rate Diff. 2010–2011” and “Success Rate Diff. fall 2015”

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Table B. Fall 2010 and Spring 2011 (BASELINE) – Success Rates: All VC Students versus Hispanic Students

20 High-Risk or Transfer Barrier Courses Fall 2010 and Spring 2011		All VC Students			VC Hispanic Students			Difference in Success Rates			
		Course	Course Title	Count	Success		Count	Success		Points	Prcnt
					Count	Rate		Count	Rate		
ENGL V01A	English Composition	1,683	1,239	73.6%	816	575	70.5%	-3.2	-4.3%		
MATH V03	Intermediate Algebra	1,607	827	51.5%	839	387	46.1%	-5.3	-10.4%		
BIOL V01	Principles of Biology	1,209	619	51.2%	559	235	42.0%	-9.2	-17.9%		
ENGL V02	Fundamentals of English Comp	1,208	821	68.0%	760	494	65.0%	-3.0	-4.4%		
ART V01	Art Appreciation	1,121	639	57.0%	554	276	49.8%	-7.2	-12.6%		
POLS V01	American Government	1,111	670	60.3%	504	287	56.9%	-3.4	-5.6%		
PHIL V01	Introduction to Philosophy	1,083	646	59.6%	470	266	56.6%	-3.1	-5.1%		
MATH V44	Elementary Statistics	962	577	60.0%	428	235	54.9%	-5.1	-8.5%		
GEOG V01	Elements - Physical Geography	946	588	62.2%	520	282	54.2%	-7.9	-12.8%		
HIST V07A	United States History I	775	526	67.9%	291	185	63.6%	-4.3	-6.3%		
MATH V04	College Algebra	740	387	52.3%	311	147	47.3%	-5.0	-9.6%		
ECON V01A	Principles of Macro-Economics	723	390	53.9%	274	127	46.4%	-7.6	-14.1%		
ANTH V01	Physical Anthropology	678	422	62.2%	276	156	56.5%	-5.7	-9.2%		
AST V01	Elementary Astronomy	630	292	46.3%	284	98	34.5%	-11.8	-25.5%		
POLS V03	Intro to Political Science	569	370	65.0%	262	167	63.7%	-1.3	-2.0%		
MUS V08	Music Appreciation	561	368	65.6%	238	151	63.4%	-2.2	-3.3%		
BUS V30	Introduction to Business	441	242	54.9%	189	93	49.2%	-5.7	-10.3%		
CHEM V20	Elementary Chemistry	436	279	64.0%	194	112	57.7%	-6.3	-9.8%		
CJ V01	Intro to Criminal Justice	391	273	69.8%	243	163	67.1%	-2.7	-3.9%		
MATH V21A	Calculus/Analytic Geometry I	351	187	53.3%	149	70	47.0%	-6.3	-11.8%		
Totals / Av. Success Rates / Av. Differences		17,225	10,362	60.2%	8,161	4,506	55.2%	- 5.0	- 8.3%		

Table C. Fall 2011 and Spring 2012 – Success Rates: All VC Students versus Hispanic Students

20 High-Risk or Barrier Courses Fall 2011 and Spring 2012		All VC Students			VC Hispanic Students			Difference in Success Rates			
		Course	Course Title	Count	Success		Count	Success		Points	Prcnt
					Count	Rate		Count	Rate		
ENGL V01A	English Composition	1,690	1,276	75.5%	912	667	73.1%	-2.4	-3.1%		
MATH V03	Intermediate Algebra	1,888	948	50.2%	1,095	511	46.7%	-3.5	-7.1%		
BIOL V01	Principles of Biology	1,074	576	53.6%	568	262	46.1%	-7.5	-14.0%		
ENGL V02	Fundamentals of English Comp	1,277	873	68.4%	903	609	67.4%	-0.9	-1.3%		
ART V01	Art Appreciation	1,045	667	63.8%	609	365	59.9%	-3.9	-6.1%		
POLS V01	American Government	1,006	628	62.4%	485	298	61.4%	-1.0	-1.6%		
PHIL V01	Introduction to Philosophy	1,315	824	62.7%	633	356	56.2%	-6.4	-10.2%		
MATH V44	Elementary Statistics	1,037	608	58.6%	539	302	56.0%	-2.6	-4.4%		
GEOG V01	Elements - Physical Geography	944	618	65.5%	549	320	58.3%	-7.2	-11.0%		
HIST V07A	United States History I	829	535	64.5%	409	232	56.7%	-7.8	-12.1%		
MATH V04	College Algebra	809	422	52.2%	405	199	49.1%	-3.0	-5.8%		
ECON V01A	Principles of Macroeconomics	695	437	62.9%	344	199	57.8%	-5.0	-8.0%		
ANTH V01	Biological Anthropology	708	454	64.1%	369	213	57.7%	-6.4	-10.0%		
AST V01	Elementary Astronomy	647	288	44.5%	321	116	36.1%	-8.4	-18.8%		
POLS V03	Intro to Political Science	496	351	70.8%	249	174	69.9%	-0.9	-1.3%		
MUS V08	Music Appreciation	568	411	72.4%	250	179	71.6%	-0.8	-1.0%		
BUS V30	Introduction to Business	411	248	60.3%	211	122	57.8%	-2.5	-4.2%		
CHEM V20	Elementary Chemistry	426	291	68.3%	210	130	61.9%	-6.4	-9.4%		
CJ V01	Intro to Criminal Justice	396	278	70.2%	270	182	67.4%	-2.8	-4.0%		
MATH V21A	Calculus/Analytic Geometry I	384	181	47.1%	183	79	43.2%	-4.0	-8.4%		
Totals / Av. Success Rates / Av. Differences		17,645	10,914	61.9%	9,514	5,515	58.0%	- 3.9	- 6.3%		

Points: (Success Rate for Hispanic Students) *minus* (Success Rate for All VC Students)
Negative points indicate extent to which success rate of Hispanic students is lower than the rate for All Students.
Prcnt: [(Points) *divided by* (Success Rate for All VC Students)] *times* 100
The percentage (Prcnt) indicates the degree of difference between success rates.

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Table D. Fall 2012 and Spring 2013 – Success Rates: All VC Students versus Hispanic Students

20 High-Risk or Transfer Barrier Courses Fall 2012 and Spring 2013		All VC Students			VC Hispanic Students			Difference in Success Rates			
		Course	Course Title	Count	Success		Count	Success		Points	Prcnt
					Count	Rate		Count	Rate		
ENGL V01A	English Composition	1,872	1,311	70.0%	1,077	717	66.6%	-3.5	-4.9%		
MATH V03	Intermediate Algebra	2,005	999	49.8%	1,256	575	45.8%	-4.0	-8.1%		
BIOL V01	Principles of Biology	1,126	681	60.5%	623	344	55.2%	-5.3	-8.7%		
ENGL V02	Fundamentals of English Comp	1,361	931	68.4%	976	651	66.7%	-1.7	-2.5%		
ART V01	Art Appreciation	914	602	65.9%	555	350	63.1%	-2.8	-4.3%		
POLS V01	American Government	723	586	81.1%	433	346	79.9%	-1.1	-1.4%		
PHIL V01	Introduction to Philosophy	1,153	752	65.2%	635	392	61.7%	-3.5	-5.3%		
MATH V44	Elementary Statistics	1,110	691	62.3%	608	363	59.7%	-2.5	-4.1%		
GEOG V01	Elements - Physical Geography	925	629	68.0%	551	341	61.9%	-6.1	-9.0%		
HIST V07A	United States History I	844	544	64.5%	441	261	59.2%	-5.3	-8.2%		
MATH V04	College Algebra	889	512	57.6%	501	275	54.9%	-2.7	-4.7%		
ECON V01A	Principles of Macroeconomics	622	428	68.8%	327	215	65.7%	-3.1	-4.4%		
ANTH V01	Biological Anthropology	886	553	62.4%	490	284	58.0%	-4.5	-7.1%		
AST V01	Elementary Astronomy	461	345	74.8%	236	170	72.0%	-2.8	-3.7%		
POLS V03	Intro to Political Science	441	344	78.0%	219	163	74.4%	-3.6	-4.6%		
MUS V08	Music Appreciation	646	436	67.5%	325	218	67.1%	-0.4	-0.6%		
BUS V30	Introduction to Business	560	344	61.4%	295	170	57.6%	-3.8	-6.2%		
CHEM V20	Elementary Chemistry	414	267	64.5%	219	131	59.8%	-4.7	-7.2%		
CJ V01	Intro to Criminal Justice	367	288	78.5%	256	197	77.0%	-1.5	-1.9%		
MATH V21A	Calculus/Analytic Geometry I	369	187	50.7%	170	76	44.7%	-6.0	-11.8%		
Totals / Av. Success Rates / Av. Differences		17,688	11,430	64.6%	10,193	6,239	61.2%	- 3.4	- 5.3%		

Table E. Fall 2013 and Spring 2014 – Success Rates: All VC Students versus Hispanic Students

20 High-Risk or Transfer Barrier Courses Fall 2013 and Spring 2014		All VC Students			VC Hispanic Students			Difference in Success Rates			
		Course	Course Title	Count	Success		Count	Success		Points	Prcnt
					Count	Rate		Count	Rate		
ENGL V01A	English Composition	2,122	1,490.0	70.2%	1,238	859	69.4%	-0.8	-1.2%		
MATH V03	Intermediate Algebra	1,958	996.0	50.9%	1,251	606	48.4%	-2.4	-4.8%		
BIOL V01	Principles of Biology	1,292	696.0	53.9%	763	371	48.6%	-5.2	-9.7%		
ENGL V02	Fundamentals of English Comp	1,246	889.0	71.3%	898	638	71.0%	-0.3	-0.4%		
ART V01	Art Appreciation	1,058	675.0	63.8%	663	408	61.5%	-2.3	-3.5%		
POLS V01	American Government	912	709.0	77.7%	506	395	78.1%	0.3	0.4%		
PHIL V01	Introduction to Philosophy	1,148	796.0	69.3%	621	394	63.4%	-5.9	-8.5%		
MATH V44	Elementary Statistics	1,146	682.0	59.5%	675	363	53.8%	-5.7	-9.6%		
GEOG V01	Elements - Physical Geography	881	622.0	70.6%	542	346	63.8%	-6.8	-9.6%		
HIST V07A	United States History I	865	633.0	73.2%	451	307	68.1%	-5.1	-7.0%		
MATH V04	College Algebra	896	474.0	52.9%	526	266	50.6%	-2.3	-4.4%		
ECON V01A	Principles of Macroeconomics	846	547.0	64.7%	462	278	60.2%	-4.5	-6.9%		
ANTH V01	Biological Anthropology	767	470.0	61.3%	413	230	55.7%	-5.6	-9.1%		
AST V01	Elementary Astronomy	484	342.0	70.7%	224	147	65.6%	-5.0	-7.1%		
POLS V03	Intro to Political Science	500	401.0	80.2%	275	218	79.3%	-0.9	-1.2%		
MUS V08	Music Appreciation	569	423.0	74.3%	279	203	72.8%	-1.6	-2.1%		
BUS V30	Introduction to Business	577	320.0	55.5%	304	164	53.9%	-1.5	-2.7%		
CHEM V20	Elementary Chemistry	423	282.0	66.7%	254	156	61.4%	-5.2	-7.9%		
CJ V01	Intro to Criminal Justice	380	280.0	73.7%	269	190	70.6%	-3.1	-4.1%		
MATH V21A	Calculus/Analytic Geometry I	365	211.0	57.8%	184	96	52.2%	-5.6	-9.7%		
Totals / Av. Success Rates / Av. Differences		18,435	11,938	64.8%	10,798	6,635	61.4%	-3.4	-5.2%		

Points: (Success Rate for Hispanic Students) *minus* (Success Rate for All VC Students)
Negative points indicate extent to which success rate of Hispanic students is lower than the rate for All Students.
Prcnt: [(Points) *divided by* (Success Rate for All VC Students)] *times* 100
The percentage (Prcnt) indicates the degree of difference between success rates.

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Table F. Fall 2014 and Spring 2015 – Success Rates: All VC Students versus Hispanic Students

20 High-Risk or Transfer Barrier Courses Fall 2014 and Spring 2015		All VC Students			VC Hispanic Students			Difference in Success Rates			
		Course	Course Title	Count	Success		Count	Success		Points	Prct
					Count	Rate		Count	Rate		
ENGL V01A	English Composition	2,120	1,542	72.7%	1,241	871	70.2%	-2.6	-3.5%		
MATH V03	Intermediate Algebra	1,576	875	55.5%	1,004	529	52.7%	-2.8	-5.1%		
BIOL V01	Principles of Biology	1,622	867	53.5%	976	454	46.5%	-6.9	-13.0%		
ENGL V02	Fundamentals of English Comp	1,328	985	74.2%	977	715	73.2%	-1.0	-1.3%		
ART V01	Art Appreciation	1,250	747	59.8%	780	437	56.0%	-3.7	-6.2%		
POLS V01	American Government	1,016	753	74.1%	609	444	72.9%	-1.2	-1.6%		
PHIL V01	Introduction to Philosophy	1,187	791	66.6%	648	405	62.5%	-4.1	-6.2%		
MATH V44	Elementary Statistics	1,276	794	62.2%	777	462	59.5%	-2.8	-4.4%		
GEOG V01	Elements - Physical Geography	914	589	64.4%	605	363	60.0%	-4.4	-6.9%		
HIST V07A	United States History I	976	702	71.9%	529	351	66.4%	-5.6	-7.8%		
MATH V04	College Algebra	744	382	51.3%	420	190	45.2%	-6.1	-11.9%		
ECON V01A	Principles of Macroeconomics	805	530	65.8%	411	232	56.4%	-9.4	-14.3%		
ANTH V01	Biological Anthropology	668	482	72.2%	364	247	67.9%	-4.3	-6.0%		
AST V01	Elementary Astronomy	545	401	73.6%	280	192	68.6%	-5.0	-6.8%		
POLS V03	Intro to Political Science	498	382	76.7%	292	224	76.7%	0.0	0.0%		
MUS V08	Music Appreciation	504	336	66.7%	237	155	65.4%	-1.3	-1.9%		
BUS V30	Introduction to Business	714	455	63.7%	421	262	62.2%	-1.5	-2.3%		
CHEM V20	Elementary Chemistry	411	267	65.0%	252	145	57.5%	-7.4	-11.4%		
CJ V01	Intro to Criminal Justice	497	348	70.0%	382	256	67.0%	-3.0	-4.3%		
MATH V21A	Calculus/Analytic Geometry I	390	225	57.7%	191	96	50.3%	-7.4	-12.9%		
Totals / Av. Success Rates / Av. Differences		19,041	12,453	65.4%	11,396	7,030	61.7%	-3.7	-5.7%		

Table F. Fall 2015 – Success Rates: All VC Students versus Hispanic Students

20 High-Risk or Transfer Barrier Courses Fall 2015		All VC Students			VC Hispanic Students			Difference in Success Rates			
		Course	Course Title	Count	Success		Count	Success		Points	Prct
					Count	Rate		Count	Rate		
ENGL V01A	English Composition	1,183	867	73.3%	698	499	71.5%	-1.8	-2.5%		
MATH V03	Intermediate Algebra	827	444	53.7%	524	266	50.8%	-2.9	-5.4%		
BIOL V01	Principles of Biology	723	418	57.8%	457	250	54.7%	-3.1	-5.4%		
ENGL V02	Fundamentals of English Comp	739	584	79.0%	551	430	78.0%	-1.0	-1.2%		
ART V01	Art Appreciation	641	393	61.3%	401	236	58.9%	-2.5	-4.0%		
POLS V01	American Government	485	368	75.9%	303	222	73.3%	-2.6	-3.4%		
PHIL V01	Introduction to Philosophy	627	419	66.8%	336	211	62.8%	-4.0	-6.0%		
MATH V44	Elementary Statistics	710	460	64.8%	432	266	61.6%	-3.2	-5.0%		
GEOG V01	Elements - Physical Geography	384	247	64.3%	252	148	58.7%	-5.6	-8.7%		
HIST V07A	United States History I	528	329	62.3%	289	175	60.6%	-1.8	-2.8%		
MATH V04	College Algebra	401	217	54.1%	234	106	45.3%	-8.8	-16.3%		
ECON V01A	Principles of Macroeconomics	415	279	67.2%	219	142	64.8%	-2.4	-3.6%		
ANTH V01	Biological Anthropology	282	201	71.3%	156	105	67.3%	-4.0	-5.6%		
AST V01	Elementary Astronomy	225	156	69.3%	100	64	64.0%	-5.3	-7.7%		
POLS V03	Intro to Political Science	352	274	77.8%	182	137	75.3%	-2.6	-3.3%		
MUS V08	Music Appreciation	187	122	65.2%	81	49	60.5%	-4.7	-7.3%		
BUS V30	Introduction to Business	357	233	65.3%	184	115	62.5%	-2.8	-4.2%		
CHEM V20	Elementary Chemistry	221	169	76.5%	143	107	74.8%	-1.6	-2.2%		
CJ V01	Intro to Criminal Justice	242	161	66.5%	193	131	67.9%	1.3	2.0%		
MATH V21A	Calculus/Analytic Geometry I	214	147	68.7%	111	75	67.6%	-1.1	-1.6%		
Totals / Av. Success Rates / Av. Differences		9,743	6,488	66.6%	5,846	3,734	63.9%	-2.7	-4.1%		

Points: (Success Rate for Hispanic Students) *minus* (Success Rate for All VC Students)
Negative points indicate extent to which success rate of Hispanic students is lower than the rate for All Students.
Prct: [(Points) *divided by* (Success Rate for All VC Students)] *times* 100
The percentage (Prct) indicates the degree of difference between success rates.