

■ **Summary**

This report presents course outcomes related to students enrolled in **fall 2015** sections that provided supplemental instruction (SI). **SI in fall 2015** was funded through the college’s **BSI Grant, Title V Velocidad Grant, and other sources**.

- SI was offered in **19** sections (**13** courses).
- Of the **809** graded students in SI sections, **463 (57%)** received SI services.

**Three methods** for assessing the success of SI are discussed in this report. All of the metrics are based on final grades, with **successful** or **non-successful** completion as the outcome variable. A successful completion is defined as a final grade of **A, B, C or P**.

● **Success in SI Sections versus Success in Non-SI Sections** (Pages 2 and 3)

This measure compares the overall success rate in **all SI** sections of a course to the overall success rate in **all non-SI** sections of the course. A chart and a data table appear on pages 2 & 3.

● **Success Rates within SI Sections** (Page 4)

Students in SI sections are afforded the opportunity to receive academic assistance from an SI Leader. This metric compares success rates of students who received SI assistance to success rates of students who did not receive SI assistance. Data tables are presented on pages 4 and 5.

● **Success Rates in SI Sections – By Number of SI Contacts** (Pages 5 and 6)

In this assessment, success rates in SI sections are computed as a function of the number of contacts that students have with an SI Leader (SI contacts). Of the three metrics presented in this report, this one provides the best evidence that SI is contributing to successful course completions.

**Student Demographics:** Success rates by student demographics are presented on page 5.

**Success Rates by Number of SI Contacts**

The tables below show success rate data for **fall 2015** and **fall 2014**. In both terms, students who had **six or more** contacts with SI Leaders had significantly higher success rates than students with **five or less** SI contacts. Unfortunately, only **21%** of the students in **fall 2015** SI classes had **six or more** contacts with SI Leaders (in fall 2014, it was **11%**). Additional data appear on pages 5 and 6.

Fall 2015

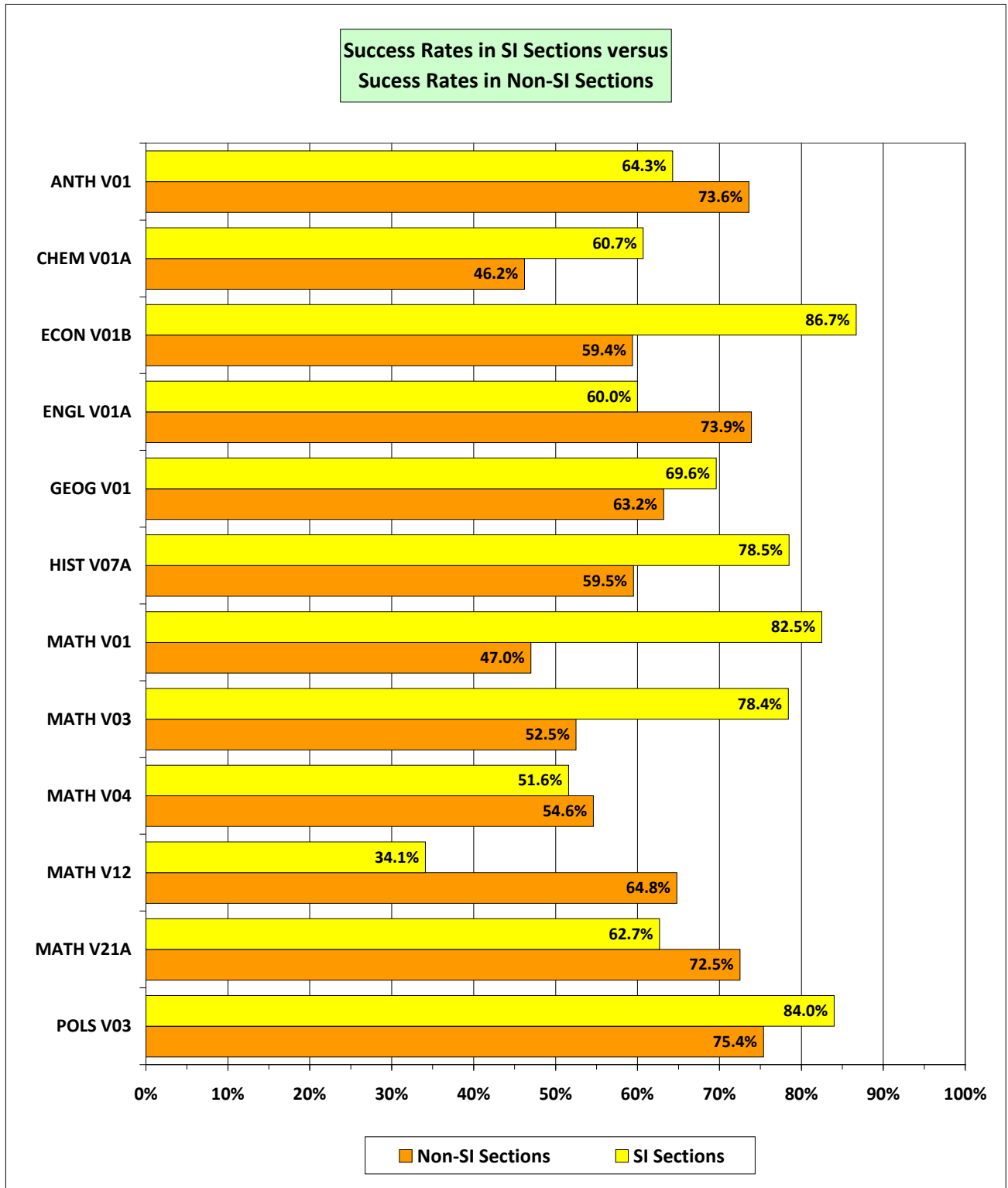
Number of SI Contacts	Students		Success Rate
	Total	Success	
0	346	191	55.2%
1 to 5	296	216	73.0%
6 to 10	79	66	83.5%
11 to 15	40	37	92.5%
16 to 20	23	21	91.3%
21 to 29	20	18	90.0%
30 or more	5	4	80.0%
<b>Totals</b>	<b>809</b>	<b>553</b>	<b>68.4%</b>
0 to 5	642	407	<b>63.4%</b>
6 or more	167	146	<b>87.4%</b>
<b>Difference in percentage points</b>			<b>24.0</b>

Fall 2014

Number of SI Contacts	Students		Success Rate
	Total	Success	
0	1,212	700	57.8%
1 to 5	499	339	67.9%
6 to 10	98	76	77.6%
11 to 15	40	34	85.0%
16 to 20	43	37	86.0%
21 to 29	28	25	89.3%
30 or more	10	7	70.0%
<b>Totals</b>	<b>1,930</b>	<b>1,218</b>	<b>63.1%</b>
0 to 5	1,711	1,039	<b>60.7%</b>
6 or more	219	179	<b>81.7%</b>
<b>Difference in percentage points</b>			<b>21.0</b>

■ **Success in SI Sections versus Success in Non-SI Sections**

The chart below and table (on page 3) present **success rates** and **grades distributions** for two sets of courses: **SI Sections** (sections in which SI was offered) and **Non-SI Sections** (sections in which SI was *not* offered). Differences between success rates are rendered in percentage points.



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SI Sections versus Non-SI Sections – Success Rates and Grades Distributions

Course ID	SI Status	Total Cnt	Successful		Grades Distributions							
			Num.	Rate	A	B	C	P	D	F	NP	W
ANTH V01	Yes	70	45	64.3%	7	20	18		6	4		15
ANTH V01	No	212	156	73.6%	55	50	51		17	9	1	29
Difference: SI minus Non-SI				<b>-9.3</b>								
CHEM V01A	Yes	84	51	60.7%	18	15	18		9	11		13
CHEM V01A	No	199	92	46.2%	31	44	17		21	26		60
Difference: SI minus Non-SI				<b>14.5</b>								
ECON V01B	Yes	45	39	86.7%	11	11	17		4			2
ECON V01B	No	187	111	59.4%	31	40	40		34	4		38
Difference: SI minus Non-SI				<b>27.3</b>								
ENGL V01A	Yes	50	30	60.0%	13	8	9		1	3		16
ENGL V01A	No	1,133	837	73.9%	310	337	190		49	80		167
Difference: SI minus Non-SI				<b>-13.9</b>								
GEOG V01	Yes	69	48	69.6%	8	21	19		4	13		4
GEOG V01	No	315	199	63.2%	62	69	68		35	38		43
Difference: SI minus Non-SI				<b>6.4</b>								
HIST V07A	Yes	79	62	78.5%	7	31	24		4	4		9
HIST V07A	No	449	267	59.5%	104	90	73		23	53		106
Difference: SI minus Non-SI				<b>19.0</b>								
MATH V01	Yes	40	33	82.5%	22	6	4	1	2	4		1
MATH V01	No	742	349	47.0%	92	121	135	1	104	135	1	153
Difference: SI minus Non-SI				<b>35.5</b>								
MATH V03	Yes	37	29	78.4%	15	9	5		2	4	1	1
MATH V03	No	790	415	52.5%	143	147	124	1	98	107	2	168
Difference: SI minus Non-SI				<b>25.9</b>								
MATH V04	Yes	62	32	51.6%	13	9	10		7	8		15
MATH V04	No	339	185	54.6%	65	66	54		48	46		60
Difference: SI minus Non-SI				<b>-3.0</b>								
MATH V12	Yes	41	14	34.1%	4	3	7		3	7		17
MATH V12	No	91	59	64.8%	8	21	30		13	10		9
Difference: SI minus Non-SI				<b>-30.7</b>								
MATH V21A	Yes	83	52	62.7%	16	14	22		5	7		19
MATH V21A	No	131	95	72.5%	36	28	31		14	5		17
Difference: SI minus Non-SI				<b>-9.8</b>								
MATH V13A	Yes	49	34	69.4%	11	10	13		1	8		6
	--											
Difference: SI minus Non-SI				<b>--</b>								
POLS V03	Yes	100	84	84.0%	43	26	15		6	5		5
POLS V03	No	252	190	75.4%	81	79	30		15	14		33
Difference: SI minus Non-SI				<b>8.6</b>								
<b>Total SI *</b>	Yes	760	519	68.3%	177	173	168	1	53	70	1	117
<b>Total Non-SI</b>	No	4,840	2,955	61.1%	1,018	1,092	843	2	471	527	4	883
Difference: SI minus Non-SI				<b>7.2</b>								

\* Total SI excludes MATH V13A (49 students), since this course was offered only as SI.

Fall 2015 grades were extracted from Banner on **February 9, 2016**.

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■ **Success Rates within SI Sections**

Students in SI sections have the opportunity to receive academic assistance from the SI Leader assigned to their class. In the table below, the success rates of students receiving SI services are compared to the students who did not participate in SI (Non-SI students).

In **SI sections**, the **overall** success rate for **SI** students was **42%** higher than that of **Non-SI** students.

	Group	Success Rate	Percent Difference	Computation
	Students participating in <b>SI</b>	78%	---	---
	Students <b>not</b> participating in <b>SI</b>	55%	---	---
	<b>Difference</b>	<b>23 points</b>	<b>42%</b>	<b>(23 ÷ 55) x 100</b>

Course Information				Total Students		Non-SI Students			SI Students		
				N	S/R*	Total N	Successful N	Rate	Total N	Successful N	Rate
ANTH V01		3.0		34	74%	2	0	0%	32	25	78%
ANTH V01		3.0		36	56%	9	0	0%	27	20	74%
Totals & Overall Success Rates				<b>70</b>	<b>64%</b>	<b>11</b>	<b>0</b>	<b>0%</b>	<b>59</b>	<b>45</b>	<b>76%</b>
CHEM V01A		3.0		<b>84</b>	<b>61%</b>	<b>68</b>	<b>41</b>	<b>60%</b>	<b>16</b>	<b>10</b>	<b>63%</b>
ECON V01B		3.0		<b>45</b>	<b>87%</b>	<b>26</b>	<b>20</b>	<b>77%</b>	<b>19</b>	<b>19</b>	<b>100%</b>
ENGL V01A		5.0		23	52%	9	0	0%	14	12	86%
ENGL V01A		5.0		27	67%	7	0	0%	20	18	90%
Totals & Overall Success Rates				<b>50</b>	<b>60%</b>	<b>16</b>	<b>0</b>	<b>0%</b>	<b>34</b>	<b>30</b>	<b>88%</b>
GEOG V01		3.0		<b>69</b>	<b>70%</b>	<b>52</b>	<b>34</b>	<b>65%</b>	<b>17</b>	<b>14</b>	<b>82%</b>
HIST V07A		3.0		45	73%	24	15	63%	21	18	86%
HIST V07A		3.0		34	85%	1	0	0%	33	29	88%
Totals & Overall Success Rates				<b>79</b>	<b>78%</b>	<b>25</b>	<b>15</b>	<b>60%</b>	<b>54</b>	<b>47</b>	<b>87%</b>
MATH V01		5.0		<b>40</b>	<b>83%</b>	<b>24</b>	<b>18</b>	<b>75%</b>	<b>16</b>	<b>15</b>	<b>94%</b>
MATH V03		5.0		<b>37</b>	<b>78%</b>	<b>11</b>	<b>9</b>	<b>82%</b>	<b>26</b>	<b>20</b>	<b>77%</b>
MATH V04		4.0		30	73%	24	17	71%	6	5	83%
MATH V04		4.0		32	31%	8	0	0%	24	10	42%
Totals & Overall Success Rates				<b>62</b>	<b>52%</b>	<b>32</b>	<b>17</b>	<b>53%</b>	<b>30</b>	<b>15</b>	<b>50%</b>
MATH V12		3.0		<b>41</b>	<b>34%</b>	<b>11</b>	<b>0</b>	<b>0%</b>	<b>30</b>	<b>14</b>	<b>47%</b>
MATH V13A		3.0		<b>49</b>	<b>69%</b>	<b>6</b>	<b>0</b>	<b>0%</b>	<b>43</b>	<b>34</b>	<b>79%</b>
MATH V21A		5.0		47	64%	30	15	50%	17	15	88%
MATH V21A		5.0		36	61%	14	8	57%	22	14	64%
Totals & Overall Success Rates				<b>83</b>	<b>63%</b>	<b>44</b>	<b>23</b>	<b>52%</b>	<b>39</b>	<b>29</b>	<b>74%</b>
POLS V03		3.0		58	86%	18	14	78%	40	36	90%
POLS V03		3.0		42	81%	2	0	0%	40	34	85%
Totals & Overall Success Rates				<b>100</b>	<b>84%</b>	<b>20</b>	<b>14</b>	<b>70%</b>	<b>80</b>	<b>70</b>	<b>88%</b>
<b>Totals &amp; Overall Success Rates</b>				<b>809</b>	<b>68%</b>	<b>346</b>	<b>191</b>	<b>55%</b>	<b>463</b>	<b>362</b>	<b>78%</b>

\* S/R = Success Rate for a specific course section (CRN) or group of courses.

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■ **Success Rates in SI Sections – By Demographics**

Student Demographics	Total Student Enrollments		Non-SI Participants			SI Participants		
	Num.	Percnt	Total Num.	Successful		Total Num.	Successful	
				Number	Rate		Number	Rate
<b>Ethnicity</b>								
Asian	61	7%	37	22	59%	24	22	92%
Black	19	2%	7	2	29%	12	9	75%
Hispanic	466	58%	199	108	54%	267	202	76%
Native American	2	0%	0	0		2	2	100%
Pacific Islander	0	--	--	--	--	--	--	--
Multi- Ethnic	29	4%	12	6	50%	17	12	71%
White	226	28%	89	51	57%	137	112	82%
Unreported	6	1%	2	2	100%	4	3	75%
<b>Totals and Rates</b>	<b>809</b>	<b>100%</b>	<b>346</b>	<b>191</b>	<b>55%</b>	<b>463</b>	<b>362</b>	<b>78%</b>
<b>Gender</b>								
Female	405	50%	173	97	56%	232	180	78%
Male	397	49%	172	94	55%	225	178	79%
Unreported	7	1%	1	0	0%	6	4	67%
<b>Totals and Rates</b>	<b>809</b>	<b>100%</b>	<b>346</b>	<b>191</b>	<b>55%</b>	<b>463</b>	<b>362</b>	<b>78%</b>
<b>Age (in years)</b>								
17 or younger	22	3%	7	3	43%	15	14	93%
18 – 22	585	72%	267	146	55%	318	255	80%
23 – 29	146	18%	54	30	56%	92	66	72%
30 – 39	38	5%	16	10	63%	22	17	77%
40 or older	18	2%	2	2	100%	16	10	63%
<b>Totals and Rates</b>	<b>809</b>	<b>100%</b>	<b>346</b>	<b>191</b>	<b>55%</b>	<b>463</b>	<b>362</b>	<b>78%</b>

■ **Success Rates in SI Sections – By Number of SI Contacts**

The tables in this section present data related to success rates **based** on the number of SI contacts. Tables A – B display summary data for all sections in which SI was offered. Table C (page 6) provides success rates by course and number of SI contacts (i.e., **0 to 5** contacts versus **6 or more** contacts).

**Table A. All Students in SI sections**

Number of SI Contacts	Students		Success Rate
	Total	Success	
0	346	191	55.2%
1 to 5	296	216	73.0%
6 to 10	79	66	83.5%
11 to 15	40	37	92.5%
16 to 20	23	21	91.3%
21 to 29	20	18	90.0%
30 or more	5	4	80.0%
<b>Totals</b>	<b>809</b>	<b>553</b>	<b>68.4%</b>

0 to 5	642	407	<b>63.4%</b>
6 or more	167	146	<b>87.4%</b>
<b>Difference in percentage points</b>			<b>24.0</b>

**Table B. Hispanic Students in SI Sections**

Number of SI Contacts	Students		Success Rate
	Total	Success	
0	199	108	54.3%
1 to 5	177	124	70.1%
6 to 10	47	38	80.9%
11 to 15	21	20	95.2%
16 to 20	11	9	81.8%
21 to 29	8	8	100.0%
30 or more	3	3	100.0%
<b>Totals</b>	<b>466</b>	<b>310</b>	<b>66.5%</b>

0 to 5	376	232	<b>61.7%</b>
6 or more	90	78	<b>86.7%</b>
<b>Difference in percentage points</b>			<b>25.0</b>

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**Table C. Students in SI Sections: Summary of Success by Course and Number of SI Contacts**

Courses	All Students			0 to 5 SI Contacts		6/more SI Contacts		Difference	
	Total Studnts	Successful		Total Studnts	<u>A</u>	Total Studnts	<u>B</u>	<u>B minus A</u>	Percent Differ*
		Count	Rate		Success Rate		Success Rate		
ANTH V01	70	45	64.3%	60	58.3%	10	100.0%	41.7	71.4%
CHEM V01A	84	51	60.7%	80	60.0%	4	75.0%	15.0	25.0%
ECON V01B	45	39	86.7%	34	82.4%	11	100.0%	17.6	21.4%
ENGL V01A	50	30	60.0%	33	39.4%	17	100.0%	60.6	153.8%
GEOG V01	69	48	69.6%	65	67.7%	4	100.0%	32.3	47.7%
HIST V07A	79	62	78.5%	40	70.0%	39	87.2%	17.2	24.5%
MATH V01	40	33	82.5%	38	81.6%	2	100.0%	18.4	22.6%
MATH V03	37	29	78.4%	24	79.2%	13	76.9%	-2.2	-2.8%
MATH V04	62	32	51.6%	49	49.0%	13	61.5%	12.6	25.6%
MATH V12	41	14	34.1%	33	24.2%	8	75.0%	50.8	209.4%
MATH V13A	49	34	69.4%	43	69.8%	6	66.7%	-3.1	-4.4%
MATH V21A	83	52	62.7%	66	57.6%	17	82.4%	24.8	43.0%
POLS V03	100	84	84.0%	77	79.2%	23	100.0%	20.8	26.2%
<b>Totals</b>	<b>809</b>	<b>553</b>	<b>68.4%</b>	<b>642</b>	<b>63.4%</b>	<b>167</b>	<b>87.4%</b>	<b>24.0</b>	<b>37.9%</b>

\* Percent Differ: ((B minus A) divided by A) times 100

**Notes Related to Success by Course and Number of SI Contacts (Table C)**

1. Except for MATH V03 and MATH V13A, success rates for students with “6/more SI Contacts” were **higher** than the success rates for students with “0 to 5 SI Contacts.”
2. Three courses (in light yellow) had **four or less** students in the “6/more SI Contacts” category.
3. Of the **809** students in SI classes, only **167** received six or more SI contacts (**21%** of students).
4. The overall difference in success rates between students with “0 to 5 SI Contacts” and students with “6/more SI Contacts” is **24.0** percentage points or **37.9%**.