

■ **SUMMARY**

● **Introduction**

All students at Ventura College are provided the opportunity to receive no-cost tutoring in a wide variety of subject areas. To access tutoring services, a student must be enrolled at VC during the term in which tutoring is requested and he/she must also enroll in IDS N100, a non-credit, no-fee lab class.

The objective of this study is to calculate the success rates of students who have received tutoring in **credit basic-skills** courses and to compare them to the success rates of non-tutored students in the same sections. Additionally, this report presents (a) summary data related to **all** Subject Areas (Disciplines) in which tutoring services were provided and (b) success rate comparisons in those non-basic skills courses which experienced a high demand for tutoring services.

The study period consists of the **spring 2014** term. Data for the study were extracted from SARS-GRID (tutoring sessions) on June 19, 2014 and the VCCCD Banner System (final grades) on June 19, 2014.

● **Overview**

Summary data for **spring 2014** and **spring 2013** are presented in the table below.

Tutoring Category	Spring 2014	Spring 2013	Change	
A. Number of Disciplines in which Tutoring was Provided	24	37	- 13	- 35%
B. Unduplicated Number of Tutored Students	748	884	- 136	- 15%
C. Unduplicated Number of Basic-Skills Students	404	320	84	26%
D. Number of Student-Tutoring Sessions	7,235	6,777	458	7%
E. Number of Student-Discipline Sessions	7,037	6,793	244	4%

Explanations of Tutoring Categories:

SARS-GRID creates multiple records for each tutoring session. For example, a student who received tutoring in ENGL V03 would have a “History Code” record for that date plus a “Reason Code” record of ENGL V03 and possibly another record with a “Reason Code” of AABSKSKL (basic skills student).

- (A) “Number of Disciplines in which Tutoring was Provided”: Count of the Disciplines (Subject Codes) in which tutoring services were rendered.
- (B) “Unduplicated Number of Tutored Students”: Count of individual students who received tutoring services (note that many students received tutoring in more than one discipline).
- (C) “Unduplicated Number of Individual Basic-Skills Students”: Count of students who were coded **AABSKSKL** one/more times; even if there were no associated records with “Reason Codes” identifying specific basic skills.
- (D) “Number of Student-Tutoring Sessions”: Count of individual “History ID” numbers. A “History ID” number is created for every student-tutoring session. The “History ID” number may have more than one “Reason Code” associated with it, e.g., ENGL V03, AABSKSKL, and AAWEKLY.
- (E) “Number of Student-Discipline Sessions”: Count of “Reason Codes” that are either a discipline (e.g., ENGL) or a Course ID (e.g., ENGL V03).

● **Success Rates in Basic Skills Courses**

In **spring 2014**, the overall success rate for students who received tutoring in **basic skills** courses was **higher** than the corresponding rate for non-tutored students in the same sections. (Basic skills courses in which tutoring was provided: ENGL V02 / V03 / V07, and MATH V01 / V11A / V11B / V10.)

Basic Skills Tutoring Category	Spring 2014 Success Rates
Tutored Students	47.9%
Non-Tutored Student	45.6%
Difference in Rates	2.3 pp

Success Rate Formula  
(Number of A, B, C or P grades *divided by*  
(Number of A through W grades) *times* 100

Note: pp = percentage points

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• **Demographics of Tutored Students**

In the table below, students who received tutoring in **spring 2014** are categorized by ethnicity and gender. Ethnicity and gender information are obtained from final grades records in the VCCCD Banner System. Demographic data are **not** presented for students whose tutoring records could **not** be matched to a final grade record in Banner. Students are counted for each course in which they received tutoring (i.e., for each tutoring/course record in SARS that was matched to a Banner record).

Demographic Characteristic	Students		Successful	
	Number	Percent	Number	Rate
<b>Ethnicity</b>				
Asian / Pacific Islander	35	5.2%	29	82.9%
Black or African American	24	3.6%	12	50.0%
Hispanic	400	59.4%	270	67.5%
Native American	4	0.6%	3	75.0%
Pacific Islander	3	0.5%	3	100.0%
Two or More Ethnicities	27	4.0%	18	66.7%
White	171	25.4%	127	74.3%
Unreported or Not Available	9	1.3%	7	77.8%
<b>Totals</b>	<b>673</b>	<b>100.0%</b>	<b>469</b>	<b>69.7%</b>
<b>Gender</b>				
Female	402	59.7%	282	70.1%
Male	264	39.2%	183	69.3%
Unreported or Not Available	7	1.1%	4	57.1%
<b>Totals</b>	<b>673</b>	<b>100.0%</b>	<b>469</b>	<b>69.7%</b>

- **Ethnicity:** **Hispanic** students account for the greatest percentage of tutored students: **59%**.
- **Gender:** The majority of students are **female: 60%**.

▪ **FINAL GRADES**

To obtain a final grade for a course in which a student was tutored, the **Student ID** (900 Number) and the **Course ID** are required. The SARS “Reason Code” is the data element in which the Course ID can be entered. In many cases, however, only the Subject Area (e.g., ENGL) was entered and therefore a definitive match could not be attempted. Most of the Tutoring Records which were not matched to grade records are probably related to courses that students dropped during the first four weeks of the term.

Category	Spring 2014
<b>A. Total Individual Students who Received Tutoring</b>	<b>748</b>
<b>B. Number of Students with <u>only</u> an AA* “Reason Code”</b>	<b>8</b>
<b>C. Number of Tutoring Records by Subject Area (Discipline)</b>	<b>881</b>
<b>D. Number of Tutoring Records matched to a Banner <u>Final Grade</u> Record</b>	<b>673</b>
<b>E. Percentage of Tutoring Records with a <u>Final Grade</u></b> [(D ÷ C) x 100]	<b>76.4%</b>

▪ **DATA TABLES**

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■ **SUCCESS RATES BY SUBJECT AREA**

This table indicates the Subject Areas (Disciplines) in which students received tutoring. “Students with Grades” indicates the numbers of students for whom it was possible to match their Student IDs to final grades records in Banner. **Highlighted** disciplines are those in which more than 10 students received a **final grade**.

Spring 2014 Subject Area (Discipline)	Number of Student-Tutoring Sessions	Number of Students by Discipline	Students with Grades		
			Number of Students	Successful (A, B, C, or P)	Success Rate
ANAT	1	1	1	0	0.0%
ANTH	55	6	--	--	--
ART	10	2	1	1	100.0%
BIOL	44	17	14	10	71.4%
BUS	29	14	14	13	92.9%
CD	37	3	1	1	100.0%
CHEM	747	96	88	67	76.1%
COMM	33	3	2	2	100.0%
ECON	4	4	--	--	--
ENGL	367	113	70	64	91.4%
GEOG	101	7	5	5	100.0%
HIST	2	2	--	--	--
LS	21	5	--	--	--
MATH	5,345	550	443	277	62.5%
MT	8	1	1	1	100.0%
MUS	24	5	3	1	33.3%
NS	9	3	--	--	--
PHIL	2	1	1	1	100.0%
PHSO	35	6	4	4	100.0%
PHYS	19	6	1	1	100.0%
POLS	1	1	1	1	100.0%
PSY	22	9	4	4	100.0%
SL	56	7	2	2	100.0%
SPAN	65	19	17	14	82.4%
<b>Totals / Av. %</b>	<b>7,037</b>	<b>881</b>	<b>673</b>	<b>469</b>	<b>69.7%</b>

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■ **SUCCESS RATES BY COURSE**

This table displays **spring 2014** success rates for tutored and non-tutored students by *selected* courses in the **BIOL**, **BUS**, **CHEM**, **ENGL**, **MATH**, and **SPAN** disciplines.

Comparisons are between tutored and non-tutored students who were enrolled in the same course sections (CRNs). Additionally, for a section to be included in the comparison, there had to be **at least three** tutored students in the section.

Spring 2014 Course ID	Total Enroll- ments	Non-Tutored Students			Tutored Students			Diff. in Succ. Rates (B) minus (A)	
		Count	Success		Count	Success		Points	Percent
			Num.	Rate (A)		Num.	Rate (B)		
BIOL V01	74	69	25	36.2%	5	3	60.0%	23.8	65.6%
BUS V03	80	67	41	61.2%	13	13	100.0%	38.8	63.4%
CHEM V01A	169	146	80	54.8%	23	18	78.3%	23.5	42.8%
CHEM V01B	122	109	88	80.7%	13	9	69.2%	-11.5	-14.2%
CHEM V20	221	184	116	63.0%	37	26	70.3%	7.2	11.5%
CHEM V21	42	39	29	74.4%	3	3	100.0%	25.6	34.5%
CHEM V30	79	70	51	72.9%	9	9	100.0%	27.1	37.3%
ENGL V01A	56	43	28	65.1%	13	13	100.0%	34.9	53.6%
ENGL V02 *	29	24	16	66.7%	5	5	100.0%	33.3	50.0%
ENGL V03 *	88	79	37	46.8%	9	8	88.9%	42.1	89.8%
MATH V01 *	473	407	163	40.0%	66	28	42.4%	2.4	5.9%
MATH V03	693	571	280	49.0%	122	97	79.5%	30.5	62.1%
MATH V04	149	130	71	54.6%	19	17	89.5%	34.9	63.8%
MATH V05	127	106	56	52.8%	21	14	66.7%	13.8	26.2%
MATH V10 *	319	282	139	49.3%	37	15	40.5%	-8.8	-17.8%
MATH V11B *	30	24	17	70.8%	6	3	50.0%	-20.8	-29.4%
MATH V20	37	32	8	25.0%	5	2	40.0%	15.0	60.0%
MATH V21A	134	104	57	54.8%	30	16	53.3%	-1.5	-2.7%
MATH V21B	119	101	49	48.5%	18	8	44.4%	-4.1	-8.4%
MATH V35	12	9	8	88.9%	3	2	66.7%	-22.2	-25.0%
MATH V38	31	28	19	67.9%	3	2	66.7%	-1.2	-1.8%
MATH V40	32	29	15	51.7%	3	2	66.7%	14.9	28.9%
MATH V44	478	422	252	59.7%	56	40	71.4%	11.7	19.6%
MATH V46	74	64	32	50.0%	10	8	80.0%	30.0	60.0%
SPAN V01	61	53	37	69.8%	8	8	100.0%	30.2	43.2%

Percent Diff. in Succ. Rates = (Points ÷ (A)) x 100

\* Basic Skills Classes

Data related to Basic Skills Classes are aggregated below.

<u>Category</u>	<u>All Students</u>	<u>Successful Students</u>	<u>Success Rate</u>
Tutored	123	59	47.9%
Non-Tutored	816	372	45.6%
Difference in Success Rates		2.3 percentage points	

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■ **SUCCESS RATES BY NUMBER OF TUTORING SESSSIONS**

This table displays **spring 2014** success rates for tutored students by number of tutoring sessions attended. Unfortunately, success rates do not necessarily increase with the number of tutoring sessions. In fall 2013, course success among SI students increased with the number of SI sessions attended.

Spring 2014 Course ID	Tutored Students		Success Rates by Number of Tutoring Sessions Attended					
	Total	Successful	1 – 5	6 – 10	11 – 15	16 – 20	21 – 30	31 / More
ANAT V01	1	0	0%					
ART V01	1	1	100%					
BIOL V01	14	10	67%		100%			
BUS V03	14	13	92%	100%				
CD V61	1	1					100%	
CHEM V01A	23	18	78%	100%	100%	100%	0%	
CHEM V01B	13	9	88%	50%	50%			0%
CHEM V20	37	26	73%	50%	50%	100%	50%	75%
CHEM V21	3	3	100%				100%	
CHEM V30	11	10	86%	100%			100%	100%
CHEM V30L	1	1	100%					
COMM V01	2	2	100%		100%			
ENGL V01A	30	26	91%	50%	100%		100%	
ENGL V01B	9	9	100%					
ENGL V02	18	17	92%	100%				
ENGL V03	13	12	90%		100%		100%	
GEOG V01	5	5	100%		100%		100%	
MATH V01	77	35	44%	33%	50%	100%	63%	43%
MATH V02	2	0	0%	0%				
MATH V03	133	102	75%	83%	67%	75%	89%	77%
MATH V04	25	18	64%	100%	60%	100%	100%	100%
MATH V05	25	16	50%	100%	50%	0%	50%	100%
MATH V10	39	16	40%	40%	100%	100%	33%	0%
MATH V11B	6	3	50%		100%	0%		
MATH V20	8	4	20%		100%		100%	
MATH V21A	31	17	45%	100%	50%	0%	67%	100%
MATH V21B	18	8	46%	100%	50%	0%	0%	
MATH V21C	2	2	100%					
MATH V35	5	4	75%				100%	
MATH V38	3	2	50%	100%				
MATH V40	3	2	67%					
MATH V44	56	40	73%	80%	57%	50%	100%	
MATH V46	10	8	71%	100%			100%	
MT V04	1	1		100%				
MUS V01	2	1	50%					
MUS V24C	1	0				0%		
PHIL V01	1	1	100%					
PHSO V01	4	4	100%	100%	100%			
PHYS V01	1	1	100%					
POLS V01	1	1	100%					
PSY V01	3	3	100%	100%				
PSY V05	1	1	100%					
SL V10A	1	1			100%			
SL V10B	1	1			100%			
SPAN V01	12	11	91%	100%				
SPAN V02	4	2	33%		100%			
SPAN V04	1	1		100%				
<b>Total/Av Rates</b>	<b>673</b>	<b>469</b>	<b>69%</b>	<b>75%</b>	<b>68%</b>	<b>64%</b>	<b>73%</b>	<b>69%</b>