

▪ **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 2013** term. Data for the study were extracted from SARS-GRID (tutoring sessions) on June 21, 2013 and the VCCCD Banner System (final grades) on June 3, 2013.

• **Overview**

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

Tutoring Category	Spring 2013
A. Number of Disciplines in which Tutoring was Provided	37
B. Unduplicated Number of Tutored Students	908
C. Unduplicated Number of Basic-Skills Students	326
D. Number of Student-Tutoring Sessions	6,902
E. Number of Student-Discipline Sessions	6,917

Explanations of Tutoring Categories:

SARS-GRID creates multiple records for each tutoring session. For example, a student who received tutoring on November 1, 2010 at 10:30 am in ENGL V03 would have one record for that date with a "Reason Code" of ENGL V03 (or ENGL) and possibly another record with a "Reason Code" of AADROP IN.

- (A) "Number of Disciplines in which Tutoring was Provided" is a count of the Disciplines (Subject Codes) in which tutoring services were rendered.
- (B) "Unduplicated Number of Students" is the count of individual students who received tutoring services (many students received tutoring in more than one discipline).
- (C) "Number of Individual Basic-Skills Students" is a count of students who were coded **AABSKSKL** one/more times; even if there were **no** associated records with "Reason Codes" identifying specific basic skills courses.
- (D) "Number of Student-Tutoring Sessions" is a 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., one "History ID" number had five "Reason Codes" associated with it: AA/RW, ENGL, ENGL V03 71473, ENGL V03 7296, and ENGL V08A 70820.
- (E) "Number of Student-Discipline Sessions" counts all "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 2013**, 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 / V11B / V10.)

Basic Skills Tutoring Category	Success Rates Spring 2013
Tutored Students	66.0%
Non-Tutored Student	61.2%
Difference in Rates	4.8 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

VENTURA COLLEGE  
Office of Research and Evaluation  
Spring 2013 – Tutoring and Student Success

• **Demographics of Tutored Students**

In the table below, students who received tutoring in **spring 2013** 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 discipline in which they received tutoring (i.e., for each tutoring/discipline record that was matched to a Banner record).

Demographic Characteristic	Students		Successful	
	Number	Percent	Number	Rate
<b>Ethnicity</b>				
Asian / Pacific Islander	61	7.2%	44	72.1%
Black or African American	41	4.9%	30	73.2%
Hispanic	480	56.9%	329	68.5%
Native American	8	0.9%	4	50.0%
Two or More Ethnicities	25	3.0%	15	60.0%
White	221	26.2%	162	73.3%
Unreported or Not Available	8	0.9%	6	75.0%
<b>Totals</b>	<b>844</b>	<b>100.0%</b>	<b>590</b>	<b>69.9%</b>
<b>Gender</b>				
Female	490	58.0%	339	69.2%
Male	351	41.6%	248	70.7%
Unreported or Not Available	3	0.4%	3	100.0%
<b>Totals</b>	<b>844</b>	<b>100.0%</b>	<b>590</b>	<b>69.9%</b>

▪ **Ethnicity:** **Hispanic** students account for the greatest percentage of tutored students: **57%**

▪ **Gender:** The majority of students are **female: 58%**

▪ **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 2013
<b>A. Total Individual Students who Received Tutoring</b>	<b>908</b>
<b>B. Number of Students with <u>only</u> an AA* “Reason Code”</b>	<b>4</b>
<b>C. Number of Students by Subject Area (Discipline)</b>	<b>1,121</b>
<b>D. Number of Tutoring Records matched to a Banner <u>Final Grade</u> Record</b>	<b>844</b>
<b>E. Percentage of Tutoring Records with a <u>Final Grade</u></b> [(D ÷ C) x 100]	<b>75%</b>

▪ **DATA TABLES**

<u>Item</u>	<u>Page</u>
Success Rates by Subject Area	3
Spring 2013 – Success Rates by Course	4

**VENTURA COLLEGE**  
**Office of Research and Evaluation**  
**Spring 2013 – Tutoring and Student Success**

■ **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 30 students received tutoring services.

Subject Area (Discipline)	Number of Student-Tutoring Sessions	Number of Students	Students with Grades		
			Number of Students	Successful (A, B, C, or P)	Success Rate
ACT	2	2			
AES	2	1			
ANAT	2	2	1	1	100.0%
ANTH	3	2			
ART	2	2			
BIOL	21	9	9	4	44.4%
BIS	1	1			
<b>BUS</b>	<b>372</b>	<b>52</b>	<b>43</b>	<b>37</b>	<b>86.0%</b>
CD	20	4			
<b>CHEM</b>	<b>506</b>	<b>123</b>	<b>104</b>	<b>63</b>	<b>60.6%</b>
CJ	4	2	1	1	100.0%
COMM	10	5	5	5	100.0%
CS	5	2			
CT	3	1			
DANC	2	2			
ECON	19	11	8	6	75.0%
<b>ENGL</b>	<b>626</b>	<b>189</b>	<b>122</b>	<b>108</b>	<b>88.5%</b>
ESL	6	4			
FREN	25	9	6	6	100.0%
GERM	1	1			
HED	6	1			
HIST	9	7	6	6	100.0%
HS	2	1	1	1	100.0%
LS	16	7	2	1	50.0%
<b>MATH</b>	<b>4,885</b>	<b>570</b>	<b>461</b>	<b>288</b>	<b>62.5%</b>
MICR	15	9	6	4	66.7%
MUS	22	7	7	7	100.0%
NS	11	5	3	3	100.0%
PHIL	8	3	2	2	100.0%
PHSC	5	2			
PHSO	17	5	4	4	100.0%
PHYS	34	10	6	3	50.0%
POLS	10	9	6	6	100.0%
PSY	35	13	7	7	100.0%
SL	56	13	2	2	100.0%
SOC	4	3	3	1	33.3%
<b>SPAN</b>	<b>150</b>	<b>32</b>	<b>29</b>	<b>24</b>	<b>82.8%</b>
<b>Totals / Av. %</b>	<b>6,917</b>	<b>1,121</b>	<b>844</b>	<b>590</b>	<b>69.9%</b>

**VENTURA COLLEGE**  
**Office of Research and Evaluation**  
**Spring 2013 – Tutoring and Student Success**

■ **SPRING 2013 – SUCCESS RATES BY COURSE**

This table displays **SPRING 2013** success rates for tutored and non-tutored students by *selected* courses in the **BIOL**, **BUS**, **CHEM**, **ECON**, **ENGL**, **MATH**, and **SPAN** disciplines.

Comparisons are between tutored and non-tutored students who were enrolled in the same course CRNs. For example, in spring 2013, eight sections of BIOL V01 were offered. The nine students who received tutoring in BIOL V01 were enrolled in one of five sections of BIOL V01. Only students who were enrolled in those five sections of BIOL V01 are represented in the table below.

Spring 2013 Course ID	Total Enroll- ments	Non-Tutored Students			Tutored Students		
		Count	Success		Count	Success	
			Number	Rate		Number	Rate
BIOL V01	407	398	196	49.2%	9	4	44.4%
BUS V01A	92	80	63	78.8%	12	12	100.0%
BUS V01B	73	56	49	87.5%	17	15	88.2%
BUS V03	114	106	78	73.6%	8	6	75.0%
BUS V33	33	28	18	64.3%	5	4	80.0%
CHEM V01A	161	125	52	41.6%	36	14	38.9%
CHEM V01B	125	111	74	66.7%	14	10	71.4%
CHEM V20	208	176	110	62.5%	32	22	68.8%
CHEM V30	147	128	89	69.5%	19	15	78.9%
ECON V01B	150	142	94	66.2%	8	6	75.0%
ENGL V01A	657	605	409	67.6%	52	45	86.5%
ENGL V01B	468	441	358	81.2%	27	26	96.3%
ENGL V02 *	435	405	290	71.6%	30	29	96.7%
ENGL V03 *	143	131	90	68.7%	12	8	66.7%
ENGL V07 *	21	20	9	45.0%	1	0	0.0%
MATH V01 *	622	554	284	51.3%	68	42	61.8%
MATH V02	31	27	15	55.6%	4	2	50.0%
MATH V03	936	832	400	48.1%	104	57	54.8%
MATH V04	404	354	200	56.5%	50	32	64.0%
MATH V05	194	148	72	48.6%	46	34	73.9%
MATH V10 *	362	332	207	62.3%	30	14	46.7%
MATH V11B *	19	13	10	76.9%	6	4	66.7%
MATH V20	93	83	38	45.8%	10	6	60.0%
MATH V21A	169	141	75	53.2%	28	17	60.7%
MATH V21B	85	67	44	65.7%	18	10	55.6%
MATH V21C	43	38	32	84.2%	5	5	100.0%
MATH V24	40	37	31	83.8%	3	2	66.7%
MATH V35	58	44	23	52.3%	14	9	64.3%
MATH V38	29	25	18	72.0%	4	4	100.0%
SPAN V01	205	198	134	67.7%	7	4	57.1%
SPAN V02	156	139	99	71.2%	17	15	88.2%
SPAN V03	22	18	14	77.8%	4	4	100.0%

\* Basic skills courses