

▪ **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 **fall 2011** and **spring 2012** terms. Data for the study were extracted from SARS-GRID (tutoring sessions) and the VCCCD Banner System (final grades).

• **Overview**

Summary data for fall 2011 and spring 2012 are presented in the table below.

Tutoring Category	Fall 2011	Spring 2012
A. Number of Disciplines in which Tutoring was Provided	38	35
B. Unduplicated Number of Tutored Students	1,051	1,058
C. Unduplicated Number of Basic-Skills Students	411	682
D. Number of Student-Tutoring Sessions	6,537	7,615
E. Number of Student-Discipline Sessions	6,538	7,673

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 fall 2011, the overall success rate for students who received tutoring in **basic skills** courses was **lower** than the corresponding rate for non-tutored students in the same sections. In spring 2012, the overall success rate for tutored students was **higher** than the rate for non-tutored students.

Basic Skills Tutoring Category	Success Rates	
	Fall 2011	Spring 2012
Tutored Students	65.8%	73.0%
Non-Tutored Student	71.4%	56.9%
Difference in Rates	- 5.6 pp	16.1 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 the fall 2011 and/or spring 2012 semesters are categorized by ethnicity and gender.

Demographic Characteristic	Fall 2011		Spring 2012	
	Number	Percent	Number	Percent
Ethnicity				
Asian / Pacific Islander	54	5.8%	67	6.4%
Black or African American	39	4.2%	42	4.1%
Hispanic	483	52.0%	512	49.5%
Native American	14	1.6%	13	1.3%
Two or More Ethnicities	28	3.0%	33	3.2%
White	299	32.2%	355	34.3%
Unreported or Not Available	11	1.2%	12	1.2%
Totals	928	100.0%	1,034	100.0%
Gender				
Female	587	63.3%	628	60.0%
Male	339	36.5%	404	39.1%
Unreported or Not Available	2	0.2%	2	0.2%
Totals	928	100.0%	1,034	100.0%

- **Ethnicity:** **Hispanic** students account for the greatest percentage of tutored students: **52% in fall 2011** and **50% in spring 2012**.
- **Gender:** The majority of students are **female: 63% in fall 2011** and **60% in spring 2012**.

▪ **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	Fall 2011	Spring 2012
A. Total Individual Students who Received Tutoring	1,051	1,058
B. Number of Students with <u>only</u> an AA* “Reason Code”	18	7
C. Number of Students by Subject Area (Discipline)	1,246	1,298
D. Number of Tutoring Records matched to a Banner <u>Final Grade</u> Record	928	1,034
E. Percentage of Tutoring Records with a <u>Final Grade</u> [(C ÷ B) x 100]	74%	80%

▪ **DATA TABLES**

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■ **SUCCESS RATES – BY SUBJECT AREA**

This table indicates the Subject Areas (Disciplines) in which students received tutoring. The “Num. of STS” reflects the Total Student-Tutoring Sessions per discipline. “Students with Grades” indicates the numbers of students for whom it was possible to obtain final grade records in Banner.

Subject Area (Discipline)	Fall 2011					Spring 2012				
	Num. STS	Num. of Students	Students with Grades			Num. STS	Num. of Students	Students with Grades		
			Count	Succ.	Succ%			Count	Succ.	Succ%
ACT						1	1			
AG	1	1				1	1			
ANAT	7	5	2	2	100.0%	27	13	9	9	100.0%
ANPH	1	1								
ANTH	4	4				18	4			
ARCH	1	1								
ART	1	1				5	5	1	1	100.0%
AST	1	1								
BES	2	2				8	8			
BIOL	204	69	56	31	55.4%	235	78	69	46	66.7%
BIS	8	5	2	1	50.0%	2	2	1	0	0.0%
BUS	167	28	25	19	76.0%	304	32	25	22	88.0%
CD	9	4	1	1	100.0%					
CHEM	730	127	97	67	69.1%	871	159	140	109	77.9%
CJ	1	1				2	2			
COMM	8	3	3	3	100.0%	31	7	5	4	80.0%
CT	1	1								
ECON	2	2	2	2	100.0%	55	25	15	14	93.3%
ENG	4	2								
ENGL	297	131	101	86	85.1%	316	105	70	64	91.4%
ESL	3	3				11	2			
FREN	8	2	2	1	50.0%	21	6	5	5	100.0%
GEOG	49	10	8	6	75.0%	36	12	12	8	66.7%
HED	7	5	1	1	100.0%	18	1	1	1	100.0%
HIST	76	16	13	8	61.5%	9	6	3	3	100.0%
JAPN	5	1	1	1	100.0%					
LS	20	9	1	1	100.0%	6	4			
MATH	4,294	671	508	320	63.0%	5,007	652	544	335	61.6%
MICR	87	30	22	21	95.5%	152	38	33	27	81.8%
MUS	111	12	11	11	100.0%	38	4	3	2	66.7%
NS	2	2	1	0	0.0%	4	2	1	1	100.0%
PE						1	1			
PHIL	3	3				2	1	1	1	100.0%
PHSC	1	1								
PHSO	7	4	4	4	100.0%	160	42	36	32	88.9%
PHYS	70	22	8	7	87.5%	47	17	6	4	66.7%
POLS	17	3	3	3	100.0%	33	5	4	4	100.0%
PSY	118	15	13	11	84.6%	63	14	14	11	78.6%
SI						2	1			
SL	30	5	1	1	100.0%	52	4	3	3	100.0%
SOC						5	4	3	3	100.0%
SPAN	181	43	42	33	78.6%	129	39	30	22	73.3%
THA						1	1			
Totals / Av. %	6,538	1,246	928	641	69.1%	7,673	1,298	1,034	731	70.7%

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■ **SUCCESS RATES IN BASIC SKILLS COURSES**

These tables compare the success rates of tutored and non-tutored students in basic-skills courses. The non-tutored students were enrolled in the **same** course sections as the tutored students.

Fall 2011 Course ID	Total Course Enrolls	Non-Tutored Students			Tutored Students		
		Count	Success- ful	Success Rate	Count	Success- ful	Success Rate
ENGL V03	199	189	155	82.0%	10	9	90.0%
ENGL V04A	33	31	27	87.1%	2	1	50.0%
ENGL V04B	---	---	---	---	---	---	---
ENGL V07	35	34	22	64.7%	1	1	100.0%
ENGL V08A	23	22	13	59.1%	1	0	0.0%
Subtotal: ENGL	290	276	217	78.6%	14	11	78.6%
Subtotal: ESL	---	---	---	---	---	---	---
MATH V09	155	144	94	65.3%	11	5	45.5%
MATH V10	226	213	141	66.2%	13	9	69.2%
Subtotal: MATH	381	357	235	65.8%	24	14	58.3%
Totals / Aver. Rates	671	633	452	71.4%	38	25	65.8%

Spring 2012 Course ID	Total Course Enrolls	Non-Tutored Students			Tutored Students		
		Count	Success- ful	Success Rate	Count	Success- ful	Success Rate
ENGL V03	140	135	93	68.9%	5	5	100.0%
ENGL V04B	---	---	---	---	---	---	---
ENGL V07	---	---	---	---	---	---	---
ENGL V08A	---	---	---	---	---	---	---
Subtotal: ENGL	140	135	93	68.9%	5	5	100.0%
Subtotal: ESL	---	---	---	---	---	---	---
MATH V09	192	179	88	49.2%	13	8	61.5%
MATH V10	285	266	149	56.0%	19	13	68.4%
Subtotal: MATH	477	445	237	53.3%	32	21	65.6%
Totals / Aver. Rates	617	580	330	56.9%	37	27	73.0%

Fall 2011/Spring 2012 Basic Skills by Discipline	Total Course Enrolls	Non-Tutored Students			Tutored Students		
		Count	Success- ful	Success Rate	Count	Success- ful	Success Rate
ENGL	430	411	310	75.4%	19	16	84.2%
ESL	---	---	---	---	---	---	---
MATH	858	802	472	58.9%	56	35	62.5%
Totals / Aver. Rates	1,288	1,213	782	64.5%	75	51	68.0%

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■ **FALL 2011 – SUCCESS RATES BY COURSE**

This table displays fall 2011 success rates for tutored and non-tutored students by *selected* courses in the **BIOL**, **CHEM**, **ENGL**, and **MATH** disciplines. **All** of the **basic skills** courses are included, plus several non-basic skills courses in which there were a relatively high enrollment of tutored students.

Fall 2011 Course ID	Total Enroll- ments	Non-Tutored Students			Tutored Students		
		Count	Success		Count	Success	
			Number	Rate		Number	Rate
BIOL V01	420	364	185	50.8%	56	31	55.4%
CHEM V01A	216	187	113	60.4%	29	22	75.9%
CHEM V01B	56	47	29	61.7%	9	4	44.4%
CHEM V20	207	168	115	68.5%	39	25	64.1%
CHEM V20L	48	46	39	84.8%	2	2	100.0%
CHEM V30	156	141	111	78.7%	15	11	73.3%
ENGL V01A	539	497	389	78.3%	42	39	92.9%
ENGL V01B	244	232	194	83.6%	12	11	91.7%
ENGL V02	449	417	304	72.9%	32	24	75.0%
ENGL V03 *	199	189	155	82.0%	10	9	90.0%
ENGL V04A *	33	31	27	87.1%	2	1	50.0%
ENGL V05	28	27	21	77.8%	1	1	100.0%
ENGL V07 *	35	34	22	64.7%	1	1	100.0%
ENGL V08A *	23	22	13	59.1%	1	0	0.0%
MATH V01	643	568	287	50.5%	75	48	64.0%
MATH V02	41	35	24	68.6%	6	6	100.0%
MATH V03	933	807	423	52.4%	126	73	57.9%
MATH V04	403	312	169	54.2%	91	59	64.8%
MATH V05	166	140	83	59.3%	26	13	50.0%
MATH V09 *	155	144	94	65.3%	11	5	45.5%
MATH V10 *	226	213	141	66.2%	13	9	69.2%
MATH V20	111	99	67	67.7%	12	8	66.7%
MATH V21A	196	156	70	44.9%	40	18	45.0%
MATH V21B	87	70	36	51.4%	17	10	58.8%
MATH V21C	51	45	36	80.0%	6	6	100.0%
MATH V24	38	36	32	88.9%	2	2	100.0%
MATH V30	29	27	14	51.9%	2	2	100.0%
MATH V35	74	58	37	63.8%	16	9	56.3%
MATH V38	36	32	25	78.1%	4	4	100.0%
MATH V40	78	74	51	68.9%	4	4	100.0%
MATH V44	514	457	256	56.0%	57	44	77.2%

* Basic skills courses

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■ **SPRING 2012 – SUCCESS RATES BY COURSE**

This table displays spring 2012 success rates for tutored and non-tutored students by *selected* courses in the **BIOL**, **CHEM**, **ENGL**, and **MATH** disciplines. **All basic skills** courses are included, plus several non-basic skills courses in which there were a relatively high enrollment of tutored students.

Spring 2012 Course ID	Total Enroll- ments	Non-Tutored Students			Tutored Students		
		Count	Success		Count	Success	
			Number	Rate		Number	Rate
BIOL V01	581	512	265	51.8%	69	46	66.7%
CHEM V01A	151	124	63	50.8%	27	15	55.6%
CHEM V01B	128	117	91	77.8%	11	10	90.9%
CHEM V20	219	179	120	67.0%	40	31	77.5%
CHEM V20L	28	24	17	70.8%	4	4	100.0%
CHEM V21	40	31	29	93.5%	9	9	100.0%
CHEM V30	143	96	71	74.0%	47	38	80.9%
CHEM V30L	54	52	43	82.7%	2	2	100.0%
ENGL V01A	483	439	308	70.2%	44	41	93.2%
ENGL V01B	378	364	281	77.2%	14	12	85.7%
ENGL V02	172	165	111	67.3%	7	6	85.7%
ENGL V03 *	140	135	93	68.9%	5	5	100.0%
MATH V01	670	589	286	48.6%	81	43	53.1%
MATH V02	35	29	16	55.2%	6	4	66.7%
MATH V03	920	792	360	45.5%	128	74	57.8%
MATH V04	406	325	150	46.2%	81	44	54.3%
MATH V05	168	127	66	52.0%	41	24	58.5%
MATH V09 *	192	179	88	49.2%	13	8	61.5%
MATH V10 *	285	266	149	56.0%	19	13	68.4%
MATH V20	90	71	35	49.3%	19	13	68.4%
MATH V21A	188	147	69	46.9%	41	24	58.5%
MATH V21B	80	66	36	54.5%	14	9	64.3%
MATH V21C	45	44	29	65.9%	1	1	100.0%
MATH V24	47	44	33	75.0%	3	3	100.0%
MATH V35	48	31	27	87.1%	17	11	64.7%
MATH V38	28	26	15	57.7%	2	1	50.0%
MATH V40	40	39	32	82.1%	1	1	100.0%
MATH V44	523	446	246	55.2%	77	62	80.5%

* Basic skills courses