

VENTURA COLLEGE
Office of Research and Evaluation
Fall 2010 and Spring 2011 – Tutoring and Student Success

▪ **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 2010** and **spring 2011** terms. Data for the study were extracted from SARS-GRID (tutoring sessions) and the VCCCD Banner System (final grades).

• **Overview**

Summary data for fall 2010 and spring 2011 are presented in the table below.

Tutoring Category	Fall 2010	Spring 2011
A. Number of Disciplines in which Tutoring was Provided	39	38
B. Unduplicated Number of Tutored Students	1,223	1,186
C. Number of Individual Basic-Skills Students	432	446
D. Number of Student-Tutoring Sessions	7,869	7,664

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 AABSKSKL (Basic Skills Appointment).

- (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 the records that have a "Reason Code" that is **either** coded as a Course ID (e.g., ENGL V03) or as a Discipline (e.g., MATH). For example, a student with **fifteen** ENGL V03 records and **ten** MATH records would be counted **twenty-five** times.

• **Success Rates in Basic Skills Courses**

In fall 2010 and spring 2011, overall success rates for students who received tutoring in **basic skills** courses were **higher** than the corresponding rates for non-tutored students in the same sections.

Basic Skills Tutoring Category	Success Rates	
	Fall 2010	Spring 2011
Tutored Students	72.2%	68.3%
Non-Tutored Student	63.4%	66.7%
Difference in Rates	8.8 pp	1.6 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 2010 and/or spring 2011 semesters are categorized by ethnicity and gender.

Demographic Characteristic	Fall 2010		Spring 2011	
	Number	Percent	Number	Percent
Ethnicity				
Asian / Pacific Islander	117	9.6%	101	8.5%
Black	42	3.4%	48	4.1%
Hispanic	554	45.3%	559	47.1%
Native American	8	0.6%	17	1.4%
White	374	30.6%	352	29.7%
Other	68	5.6%	53	4.5%
Unreported or Not Available	60	4.9%	56	4.7%
Totals	1,223	100.0%	1,186	100.0%
Gender				
Female	719	58.8%	697	58.8%
Male	448	36.6%	440	37.1%
Unreported or Not Available	56	4.6%	49	4.1%
Totals	1,223	100.0%	1,186	100.0%

- **Gender:** The majority of students are **female: 59%** in both **fall 2010** and **spring 2011**.
- **Ethnicity:** **Hispanic** students account for the greatest percentage of tutored students: **45%** in **fall 2010** and **47%** in **spring 2011**.

▪ **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. In the table below, the “Number of Students by Subject Area (Discipline)” is indicated as 1,582 in fall 2010. Of the 1,582, 1,196 (76%) were matched to grade records. 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 2010	Spring 2011
A. Total Individual Students who Received Tutoring	1,223	1,186
B. Number of Students by Subject Area (Discipline)	1,582	1,507
C. Number of Tutoring Records matched to a Banner <u>Final Grade</u> Record	1,196	1,055
D. Percentage of Tutoring Records with a <u>Final Grade</u> [(C ÷ B) x 100]	76%	70%

▪ **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 2010					Spring 2011				
	Num. STS	Num. of Students	Students with Grades			Num. STS	Num. of Students	Students with Grades		
			Count	Succ.	Succ%			Count	Succ.	Succ%
AAS	2	2	---	---	---	---	---	---	---	---
ACT	1	1	---	---	---	---	---	---	---	---
AES	3	3	---	---	---	---	---	---	---	---
AG	---	---	---	---	---	1	1	---	---	---
ANAT	34	15	8	7	87.5%	16	5	3	3	100.0%
ANPH	8	6	---	---	---	---	---	---	---	---
ANTH	14	3	---	---	---	6	4	---	---	---
ARCH	---	---	---	---	---	2	2	---	---	---
ART	6	4	2	1	50.0%	1	1	---	---	---
AST	7	1	---	---	---	5	3	2	2	100.0%
BIOL	272	69	60	49	81.7%	208	54	38	27	71.1%
BIS	14	4	3	1	33.3%	58	18	8	8	100.0%
BUS	124	30	27	21	77.8%	210	46	39	29	74.7%
CD	2	2	1	1	100.0%	2	1	1	0	0.0%
CHEM	1,105	178	147	98	66.7%	734	137	91	65	71.4%
CJ	---	---	---	---	---	1	1	---	---	---
COMM/SPCH	6	3	---	---	---	5	4	---	---	---
ECON	8	4	3	2	66.7%	8	8	2		
ENG	10	10	---	---	---	5	4	---	---	---
ENGL	834	267	209	183	87.6%	507	206	147	128	87.1%
ESL	72	14	1	1	100.0%	138	49	---	---	---
FREN	15	5	5	4	80.0%	127	24	20	15	75.0%
GEOG	6	4	5	1	20.0%	22	8	8	5	62.5%
GERM	---	---	---	---	---	11	8	7	7	100.0%
HEC	9	3	---	---	---	---	---	---	---	---
HED	1	1	1	1	100.0%	4	3	---	---	---
HIST	58	22	18	15	83.3%	22	7	6	5	83.3%
ITAL	4	2	2	0	0.0%	2	2	---	---	---
LS	7	5	1	1	100.0%	1	1	---	---	---
MATH	4,212	665	509	302	59.3%	4,410	688	515	331	64.3%
MICR	209	47	42	28	66.7%	78	36	25	20	80.0%
MUS	210	39	33	29	87.9%	589	51	39	29	74.4%
NS	6	4	3	3	100.0%	2	2	2	1	50.0%
PHIL	17	7	4	4	100.0%	27	11	11	10	90.9%
PHOT	82	28	23	18	78.3%	7	4	1	1	100.0%
PHSC	8	4	2	2	100.0%	2	1	---	---	---
PHSO	45	11	8	7	87.5%	29	7	6	5	83.3%
PHYS	95	29	16	12	75.0%	61	22	11	9	81.8%
POLS	19	9	9	8	88.9%	39	13	9	6	66.7%
PSY	44	20	17	15	88.2%	46	15	13	13	100.0%
SL	36	11	1	1	100.0%	90	11	6	4	66.7%
SOC	8	7	5	5	100.0%	23	6	5	5	100.0%
SPAN	256	43	31	22	71.0%	165	43	40	29	72.5%
Totals / Av. %	7,869	1,582	1,196	842	70.4%	7,664	1,507	1,055	758	71.8%

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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 2010 Course ID	Total Course Enrolls	Non-Tutored Students			Tutored Students		
		Count	Success- ful	Success Rate	Count	Success- ful	Success Rate
ENGL V03	234	216	147	68.1%	18	17	94.4%
ENGL V04A	23	20	14	70.0%	3	3	100.0%
ENGL V04B	18	17	12	70.6%	1	1	100.0%
ENGL V07	31	27	23	85.2%	4	4	100.0%
ENGL V08A	21	20	14	70.0%	1	0	0.0%
Subtotal: ENGL	327	300	210	70.0%	27	25	92.6%
ESL V34B	2	1	1	100.0%	1	1	100.0%
Subtotal: ESL	2	1	1	100.0%	1	1	100.0%
MATH V09	132	119	63	52.9%	13	6	46.2%
MATH V10	296	265	160	60.4%	31	20	64.5%
Subtotal: MATH	428	384	223	58.1%	44	26	59.1%
Totals / Aver. Rates	757	685	434	63.4%	72	52	72.2%

Spring 2011 Course ID	Total Course Enrolls	Non-Tutored Students			Tutored Students		
		Count	Success- ful	Success Rate	Count	Success- ful	Success Rate
ENGL V03	144	134	108	80.6%	10	8	80.0%
ENGL V04B	20	18	16	88.9%	2	2	100.0%
ENGL V07	27	25	15	60.0%	2	2	100.0%
ENGL V08A	22	20	13	65.0%	2	2	100.0%
Subtotal: ENGL	213	197	152	77.2%	16	14	87.5%
Subtotal: ESL	0	---	---	---	---	---	---
MATH V09	174	153	80	52.3%	21	10	47.6%
MATH V10	301	275	184	66.9%	26	19	73.1%
Subtotal: MATH	475	428	264	61.7%	47	29	61.7%
Totals / Aver. Rates	688	625	417	66.7%	63	43	68.3%

Fall 2010/Spring 2011 Basic Skills by Discipline	Total Course Enrolls	Non-Tutored Students			Tutored Students		
		Count	Success- ful	Success Rate	Count	Success- ful	Success Rate
ENGL	540	497	362	72.8%	43	39	90.7%
ESL	2	1	1	100.0%	1	1	100.0%
MATH	903	812	487	59.9%	91	54	59.3%
Totals / Aver. Rates	1,445	1,310	850	64.9%	135	94	69.6%

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■ **FALL 2010 – SUCCESS RATES BY COURSE**

This table displays fall 2010 success rates for tutored and non-tutored students by *selected* courses in the **CHEM**, **ENGL**, **ESL**, 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 2010 Course ID	Total Enroll- ments	Non-Tutored Students			Tutored Students		
		Count	Success		Count	Success	
			Number	Rate		Number	Rate
CHEM V01A	208	158	99	62.7%	50	31	62.0%
CHEM V01B	49	39	20	51.3%	10	5	50.0%
CHEM V20	209	149	100	67.1%	60	37	61.7%
CHEM V20L	73	69	49	71.0%	4	4	100.0%
CHEM V21	28	25	18	72.0%	3	2	66.7%
CHEM V30	156	136	109	80.1%	20	19	95.0%
ENGL V01A	629	538	400	74.3%	91	76	83.5%
ENGL V01B	420	395	311	78.7%	25	23	92.0%
ENGL V02	606	540	363	67.2%	66	59	89.4%
ENGL V03 *	234	216	147	68.1%	18	17	94.4%
ENGL V04A *	23	20	14	70.0%	3	3	100.0%
ENGL V04B *	18	17	12	70.6%	1	1	100.0%
ENGL V07 *	31	27	23	85.2%	4	4	100.0%
ENGL V08A *	21	20	14	70.0%	1	0	0.0%
ESL V34B *	2	1	1	100.0%	1	1	100.0%
MATH V01	610	533	235	44.1%	77	37	48.1%
MATH V02	82	74	48	64.9%	8	3	37.5%
MATH V03	836	729	394	54.0%	107	64	59.8%
MATH V04	359	289	139	48.1%	70	38	54.3%
MATH V05	161	131	71	54.2%	30	19	63.3%
MATH V09 *	132	119	63	52.9%	13	6	46.2%
MATH V10 *	296	265	160	60.4%	31	20	64.5%
MATH V11A	37	30	16	53.3%	7	1	14.3%
MATH V20	141	122	60	49.2%	19	11	57.9%
MATH V21A	196	149	81	54.4%	47	28	59.6%
MATH V21B	104	85	57	67.1%	19	13	68.4%
MATH V21C	54	50	35	70.0%	4	4	100.0%
MATH V24	24	23	12	52.2%	1	1	100.0%
MATH V35	66	60	46	76.7%	6	5	83.3%
MATH V38	31	30	21	70.0%	1	1	100.0%
MATH V40	40	37	18	48.6%	3	1	33.3%
MATH V44	504	452	280	61.9%	52	40	76.9%
MATH V46A	73	59	35	59.3%	14	10	71.4%

* Basic skills courses

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

This table displays spring 2011 success rates for tutored and non-tutored students by *selected* courses in the **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.

Spring 2011 Course ID	Total Enroll- ments	Non-Tutored Students			Tutored Students		
		Count	Success		Count	Success	
			Number	Rate		Number	Rate
CHEM V01A	160	137	68	49.6%	23	15	65.2%
CHEM V01B	124	115	92	80.0%	9	7	77.8%
CHEM V20	228	185	110	59.5%	43	34	79.1%
CHEM V21	35	33	22	66.7%	2	0	0.0%
CHEM V30	150	136	101	74.3%	14	9	64.3%
ENGL V01A	790	710	516	72.7%	80	69	86.3%
ENGL V01B	412	392	329	83.9%	20	18	90.0%
ENGL V02	318	287	178	62.0%	31	27	87.1%
ENGL V03 *	144	134	108	80.6%	10	8	80.0%
ENGL V04B *	20	18	16	88.9%	2	2	100.0%
ENGL V07 *	27	25	15	60.0%	2	2	100.0%
ENGL V08A *	22	20	13	65.0%	2	2	100.0%
MATH V01	665	585	264	45.1%	80	45	56.3%
MATH V03	702	590	273	46.3%	112	68	60.7%
MATH V04	381	317	157	49.5%	64	54	84.4%
MATH V05	162	116	57	49.1%	46	28	60.9%
MATH V09 *	174	153	80	52.3%	21	10	47.6%
MATH V10 *	301	275	184	66.9%	26	19	73.1%
MATH V11B	21	12	8	66.7%	9	8	88.9%
MATH V20	115	103	49	47.6%	12	7	58.3%
MATH V21A	155	125	59	47.2%	30	19	63.3%
MATH V21B	102	82	47	57.3%	20	10	50.0%
MATH V21C	36	28	18	64.3%	8	7	87.5%
MATH V24	44	41	25	61.0%	3	2	66.7%
MATH V30	38	35	22	62.9%	3	1	33.3%
MATH V35	60	47	28	59.6%	13	8	61.5%
MATH V38	29	27	20	74.1%	2	2	100.0%
MATH V40	36	32	15	46.9%	4	3	75.0%
MATH V44	434	389	230	59.1%	45	35	77.8%
MATH V46A	74	57	33	57.9%	17	5	29.4%

* Basic skills courses