



Santa Ana College
Distance Education: Participation, Demographics and Course Success

Compiled by the RSCCD Research Department, March 2012

Santa Ana College offers over 100 distance education sections each semester, predominately via online delivery. As this type of learning gains in popularity, it is important to continually assess enrollments and outcomes so that we may remain current with the course variety and content needs of our community and the students we serve. This publication offers five semesters (Fall 2009 to Fall 2011) of online course offering at SAC as compared to the traditional classroom delivery, including number of sections offered, student demographics, course success and retention.

Summary of Findings

Distance Education Offerings

Overall, the number of sections offered in distance education has remained steady since Fall 2009 (111 to 118). Starting in Fall 2010, distance education classes were more defined as to the type of delivery (web based, hybrid or televiaion); therefore, data is broken down even further for this purpose.

Santa Ana College
Distance Education Sections Offered, Headcount, and Enrollments

Semester	# Sections Offered				Headcount (unduplicated)			Enrollments in classes			
	WEB	HYBRID	TV	TOTAL	WEB	HYBRID	TV	WEB	HYBRID	TV	TOTAL
Fall 2011	60	49	9	118	1657	1167	725	2196	1351	865	4412
Spring 2011	59	45	9	113	1575	1181	569	2067	1340	665	4072
Fall 2010	52	53	9	113	1484	1326	687	1964	1497	859	4320
Spring 2010	103		10	113	2655		678	3519		848	4367
Fall 2009	100		11	111	2538		651	3358		710	4068

Demographics

- Although the number of television courses slightly decreased, the enrollment increased 22% since Fall 2009.
- The largest group of students who enroll in television and web-based classes are young; more than half of all distance education students at SAC are 25 years of age or younger.
- More than half (54% to 59%) of the students who enroll in distance education classes are female.
- Distance education students at SAC are ethnically representative of the student body at large.

**Santa Ana College
Demographics of Distance Education Students (Headcount)**

	Web Delivery					Hybrid Delivery					Television Delivery					Total Distance Education				
	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011
	n=2538	n=2655	n=1484	n=1575	n=1657	n=0	n=0	n=1326	n=1181	n=1167	n=651	n=678	n=687	n=569	n=725	n=3189	n=3333	n=3497	n=3325	n=3549
Age																				
17-21	36%	29%	32%	31%	29%			31%	24%	26%	43%	28%	34%	28%	32%	37%	29%	32%	28%	29%
22-25	24%	25%	27%	26%	26%			27%	28%	28%	26%	28%	24%	28%	28%	24%	25%	26%	27%	27%
26-29	13%	16%	16%	17%	16%			15%	17%	15%	11%	15%	14%	16%	18%	13%	16%	16%	17%	16%
30-39	15%	18%	15%	14%	17%			16%	18%	19%	13%	17%	17%	15%	13%	15%	18%	15%	16%	17%
40-49	8%	8%	7%	8%	8%			8%	9%	8%	5%	8%	8%	8%	6%	8%	8%	7%	8%	8%
50+	3%	4%	4%	3%	4%			4%	4%	4%	2%	4%	3%	4%	3%	3%	4%	3%	4%	3%
Ethnicity																				
Native-American	1%	1%	1%	1%	1%			1%	1%	1%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%
African-American	4%	3%	5%	5%	4%			3%	4%	4%	5%	5%	6%	5%	4%	4%	4%	4%	4%	4%
Latino	41%	40%	42%	40%	41%			49%	48%	49%	53%	49%	55%	52%	53%	44%	42%	48%	45%	46%
Asian	15%	15%	12%	11%	13%			16%	18%	16%	14%	11%	10%	12%	10%	15%	14%	13%	14%	14%
Pacific Islander	1%	1%	1%	1%	1%			1%	1%	1%	1%	1%	1%	1%	2%	1%	1%	1%	1%	1%
White	27%	28%	31%	30%	28%			21%	20%	19%	17%	22%	20%	19%	21%	25%	26%	25%	25%	24%
Filipino	3%	3%	2%	2%	2%			3%	1%	2%	2%	2%	1%	2%	2%	2%	2%	2%	2%	2%
Other/Not reported	8%	10%	6%	9%	10%			7%	8%	8%	7%	10%	6%	7%	6%	7%	10%	7%	8%	8%
Gender																				
Female	53%	56%	51%	53%	55%			59%	60%	60%	65%	62%	63%	69%	64%	56%	57%	56%	58%	59%
Male	47%	44%	49%	47%	44%			41%	40%	40%	35%	38%	37%	31%	36%	44%	43%	44%	42%	41%

Enrollments, Course Success, Retention

Distance Education “program,” at best, is an offering of a variety of sections in a variety of subject areas. Therefore, it is challenging to compare one mode of teaching to another based on the grades given by one teacher, one section.

- Across all semesters of study (Fall 2011, Spring 2011, Fall 2010, Spring 2010 and Fall 2009), success rates in distance education classes are lower than those in traditional classrooms (34% to 58% vs. 60% to 63%).
- Television classes have very low success rates (34% to 40%) and retention rates (63% to 70%) versus traditional delivery mode (60% to 63% and 79% to 82% respectively).
- Detailed success and retention rates (by subject/course by semester) are included below.

**Fall 2011 Comparison of SAC Web, Hybrid, Television vs. Traditional Delivery
(Enrollment/Success/Retention)**

Division	Web Delivery						Hybrid Delivery				Television Delivery				Traditional Delivery		
	Subject Area	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention
Business	Accounting	035	48725	33	64%	64%											
			48726	23	48%	70%											
			Total	56	57%	66%										23	57%
		101	48756	46	54%	61%	48730	30	50%	60%					260	55%	72%
		104	48784	44	68%	70%									34	76%	79%
	Business Applications	179	48953	33	73%	88%									63	65%	86%
		188	48962	33	64%	85%									32	63%	81%
		189	48964	37	27%	38%									25	84%	88%
		190	48969	30	60%	73%									0		
		191	48970	24	58%	67%									0		
	Business	100	48302	35	40%	57%	48319	32	47%	56%					123	65%	81%
		105	48880	32	69%	75%									241	67%	84%
		106					48334	30	50%	63%					0		
		130	50419	35	37%	51%									0		
		150	47811	39	67%	69%									105	72%	80%
	Computer Science	100	47809	38	66%	66%											
			47810	36	72%	72%											
			Total	74	69%	69%										539	66%
	Engineering	012					48628	26	50%	69%					0		
		100B					49082	22	73%	86%					0		
		110	49135	2	100%	100%									0		
		122					49120	16	56%	69%					0		
		124					49125	6	100%	100%					0		
142						48626	12	75%	83%					0			
183		49106	32	22%	66%									45	73%	89%	
186						49131	17	71%	82%					0			
187						49132	2	100%	100%					0			

Division	Web Delivery						Hybrid Delivery				Television Delivery				Traditional Delivery		
	Subject Area	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention
Business	Entrepreneurship	100	48636	32	44%	53%	49217	25	48%	60%					35	49%	69%
		105					48615	32	44%	88%					0		
	Marketing	113					48621	30	73%	73%					41	66%	83%
	Paralegal	101	48847	37	70%	78%									0		
		105	51648	9	56%	56%									0		
		121	48860	43	51%	77%									0		
		299	51649	6	83%	83%									0		
Counseling	Counseling	116	47538	41	56%	78%											
		47540	48	50%	65%												
		47541	39	44%	54%												
		47542	40	50%	75%												
		Total	168	50%	68%	47543	40	43%	68%						463	81%	88%
Exercise Science	Exercise Science Activities	123	49124	34	71%	71%									0		
	Exercise Science Health Education	101	49041	37	62%	86%											
		49043	44	59%	84%												
		Total	81	60%	85%										172	51%	78%
	102	49122	34	53%	71%												
		49202	42	67%	86%												
		Total	76	61%	79%										0		
	104	49034	32	59%	69%										82	65%	76%
	Exercise Science Professional	125	49123	32	28%	53%									0		
		150	49119	36	67%	78%											
			50546	50	48%	68%										0	
Total		86	56%	72%										0			
160	49246	19	37%	79%										0			
Fine and Performing Arts	Art	100	47833	33	64%	70%											
		47835	37	68%	81%												
		Total	70	66%	76%										525	67%	86%
	Music	101	51953	45	47%	78%									241	66%	83%
		211	50163	16	6%	63%									0		
	Speech Comm	101					48167	32	59%	75%					398	76%	88%
	Theatre Arts	100	49749	32	44%	53%											
			49752	29	41%	52%											
			Total	61	43%	52%										48	58%
		131					49774	6	50%	83%					0		
		166A					50736	8	100%	100%					0		
	167					50742	8	100%	100%					0			

Division	Web Delivery						Hybrid Delivery				Television Delivery				Traditional Delivery			
	Subject Area	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention	
Human Services & Technology	Criminal Justice	103	50823	29	48%	52%									78	58%	77%	
	Education						50970	10	60%	60%					0			
								50981	15	67%	67%					0		
	Fire Technology	101	47045	53	68%	92%									254	74%	86%	
		102	47050	49	63%	80%									264	79%	90%	
		103	47055	67	58%	73%									229	76%	90%	
		104	47059	64	41%	67%									173	70%	92%	
		105	47063	57	60%	93%									132	93%	99%	
		106	47067	63	67%	97%									164	76%	91%	
	Human Development	107	50985	40	78%	85%					50990	104	29%	50%	213	75%	92%	
		112						51048	30	93%	93%				0			
	Nutrition and Food	115	50723	57	74%	75%									73	85%	88%	
	Occupational Therapy Assistant	100	50785	38	92%	95%									0			
		101	50786	33	91%	94%									0			
		103	50790	33	91%	100%									0			
		110	50797	42	93%	98%									0			
		201						50792	29	97%	100%					0		
	Pharmacy	048						50949	32	41%	56%					66	41%	53%
		052						50955	34	26%	41%					105	49%	75%
		054						50958	33	33%	58%					57	61%	74%
Humanities and Social Sciences	Economics	120					47902	38	58%	63%					197	72%	83%	
		121					47898	42	52%	67%					106	74%	83%	
	English	061						47291	30	40%	47%					759	64%	83%
		101						47334	29	55%	83%							
									47338	35	34%	60%						
									47346	29	45%	55%						
									47348	29	76%	76%						
									47349	31	39%	61%						
									57294	30	73%	73%						
									Total	183	53%	68%					873	68%
	102						47916	24	46%	63%					65	69%	78%	
	103						47377	25	20%	20%					114	60%	79%	
	270	47396	33	70%	79%										24	75%	79%	
	History	120						47934	38	68%	84%	47938	141	37%	82%	252	54%	75%
		121						47944	37	41%	62%	47945	62	10%	52%	118	59%	79%
Philosophy	110						48276	60	78%	90%				112	89%	95%		
Political Science	101						47508	42	55%	76%				957	59%	82%		
Psychology	100										47548	141	33%	74%	885	55%	77%	

Division	Web Delivery						Hybrid Delivery				Television Delivery				Traditional Delivery		
	Subject Area	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention
Humanities and Social Sciences	Sociology	100									47710	143	57%	76%			
												56881	27	48%	48%		
												Total	170	56%	71%	261	60%
	112	47711	25	60%	80%						47712	138	48%	79%	0		
	Spanish	101					47720	35	83%	89%					184	74%	90%
102						47723	37	59%	68%					97	80%	94%	
Library Services	Library Science	053				49333	4	100%	100%					0			
Science, Math and Health Science	Biology	109	48249	42	40%	60%											
			48251	40	28%	35%											
			Total	82	34%	48%									914	48%	74%
	239					48269	33	52%	61%					227	49%	63%	
	Chemistry	109				48327	26	54%	81%					150	63%	73%	
	Geology	209								48368	50	22%	70%	157	55%	78%	
	Mathematics	060					49221	35	43%	60%					960	52%	74%
		080					49626	44	34%	57%					97	74%	87%
		105					49226	25	32%	72%					254	71%	87%
140						49227	33	36%	55%					313	47%	72%	
Special Services	Study Skills	109	50824	26	46%	58%								185	63%	84%	
IDS	Interdisciplinary Studies	121								50843	59	53%	68%	0			
SEMESTER TOTAL				2196	58%	73%		1351	55%	69%		865	39%	70%	13564	63%	81%

**Spring 2011 Comparison of SAC Web, Hybrid, Television vs. Traditional Delivery
(Enrollment/Success/Retention)**

Division	Web Delivery						Hybrid Delivery				Television Delivery				Traditional Delivery				
	Subject Area	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention		
Business	Accounting	035					39446	18	61%	83%									
							39447	21	81%	86%									
							Total	39	72%	85%						27	59%	74%	
		101						39449	27	41%	67%								
								39457	27	70%	74%								
			39460	39	49%	59%	Total	54	56%	70%						229	55%	66%	
	104	39468	28	46%	57%										21	67%	71%		
	Business Applications	179	41396	33	45%	76%									113	65%	83%		
		180	41405	18	72%	78%									0				
		185	41409	16	50%	63%									0				
		190	41419	20	75%	80%									0				
		191	41422	24	38%	46%									0				
	Business	100	41008	34	47%	65%	41007	27	41%	63%					113	45%	63%		
		105	41019	35	51%	66%	41016	17	53%	65%					146	71%	80%		
		125					41590	24	42%	63%					0				
		130	39478	41	41%	63%									0				
		143					41612	38	76%	87%					0				
		150	39125	36	78%	83%									101	82%	85%		
		160	39479	36	31%	31%									0				
	Computer Science	100	39126	36	67%	67%													
			44019	35	57%	66%													
			Total	71	62%	66%										492	63%	78%	
	Engineering	110	41788	10	40%	100%									0				
		112	44167	12	42%	67%									0				
		122					41687	17	47%	65%					0				
		125					41692	8	75%	88%					0				
		154					41774	17	35%	76%					0				
	Entrepreneurship	100	44092	36	42%	56%									42	36%	60%		
		109					41671	27	74%	81%					0				
	Marketing	113					41678	27	41%	48%					31	68%	84%		
Paralegal	101	39544	39	56%	74%									0					
	121	39548	41	49%	71%									0					
	130					45686	42	81%	90%					0					

Division	Web Delivery						Hybrid Delivery				Television Delivery				Traditional Delivery				
	Subject Area	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention		
Counseling	Counseling	116	38716	36	61%	61%													
			39389	38	50%	68%													
			39391	39	54%	72%													
			39392	35	71%	80%													
			Total	148	59%	70%	38717	33	24%	52%							938	70%	83%
Exercise Science	Exercise Science Health Education	101	41139	30	40%	53%													
			41140	33	48%	73%													
			Total	63	44%	63%										147	46%	71%	
		102	43808	34	50%	74%													
			44124	43	49%	79%													
			Total	77	49%	77%										0			
	104	40941	27	56%	85%										0				
	Exercise Science Professional	125	41014	34	24%	38%									0				
		150	41079	39	54%	64%													
			41081	39	31%	62%													
			Total	78	42%	63%										0			
160		41181	27	41%	78%										0				
Fine and Performing Arts	Art	100	39913	37	65%	68%													
			39916	47	57%	72%													
			Total	84	61%	70%										517	70%	85%	
	Music	101	41263	30	37%	47%									223	57%	78%		
		103	48627	31	48%	55%									149	63%	83%		
		211	42589	7	43%	43%									0				
	Speech Comm.	101					39735	42	71%	90%					624	72%	85%		
	Theatre Arts	100	42707	33	45%	52%													
			42710	31	45%	48%													
			Total	64	45%	50%										51	55%	69%	
		165	42802	10	60%	60%									0				
		166A	42814	1	0%	0%									0				
	166B	42817	4	100%	100%									0					
Human Services & Technology	Criminal Justice	101					40524	35	66%	77%					550	48%	75%		
	Fire Technology	101	40547	60	70%	77%									242	65%	89%		
		102	40564	62	68%	82%									232	74%	86%		
		103	40573	69	62%	75%									230	67%	90%		
		104	40593	70	49%	64%									212	63%	79%		
		105	40597	73	71%	84%									172	88%	95%		
		106	40623	81	65%	85%									171	63%	81%		

Division	Web Delivery						Hybrid Delivery				Television Delivery				Traditional Delivery		
	Subject Area	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention
Human Services & Technology (cont.)	Human Development	107	43903	44	59%	80%					43909	90	41%	76%	411	65%	84%
		112					43921	37	78%	78%					0		
		120					43925	23	70%	96%					0		
	Nutrition	115	43596	46	83%	91%									73	71%	79%
	Occupational Therapy Assistant	098	43565	32	91%	94%									0		
		102	43569	35	94%	97%									0		
	Pharmacy	048					43597	39	33%	44%					86	40%	69%
		051					43603	33	42%	52%					109	39%	66%
054						43606	41	34%	61%					66	35%	70%	
Humanities and Social Sciences	Anthropology	100									38753	57	51%	53%	250	54%	77%
	Economics	120					38824	24	58%	63%					187	73%	81%
		121					38831	27	67%	74%					135	72%	80%
	English	061					39093	29	52%	55%					603	55%	78%
		101					39133	26	62%	65%							
							39156	31	77%	77%							
							39157	28	54%	71%							
							39158	37	68%	76%							
						Total	122	66%	73%							979	63%
	102					39166	22	36%	55%					52	77%	87%	
	103					39169	32	47%	63%					205	77%	85%	
	History	120										38877	75	28%	67%		
												46775	26	42%	65%		
			38865	30	73%	83%						Total	101	32%	66%	197	68%
	121	38884	32	53%	78%						38886	43	26%	65%	276	50%	73%
	Philosophy	110					38914	56	84%	88%					204	81%	95%
	Political Science	101					38971	42	50%	67%					994	60%	82%
Psychology	100									38990	107	30%	64%	546	56%	80%	
Sociology	100					39016	41	56%	68%	39018	126	48%	56%	341	57%	82%	
	112	39020	37	30%	68%					39021	103	42%	56%	42	81%	86%	
Spanish	101					39744	36	61%	72%					321	73%	84%	
	102					39298	31	71%	77%					74	61%	84%	
Library Services	Library Science	053				41578	8	88%	88%					0			
Science, Math and Health Science	Biology	109	42668	42	26%	55%											
			42677	38	16%	42%											
			42683	33	24%	36%											
			Total	113	22%	45%									945	55%	76%
	239						42785	31	23%	48%							
							42795	28	43%	54%							
							Total	59	32%	51%					202	38%	51%
	249					42820	30	73%	83%					57	75%	89%	
Chemistry	209				42879	29	72%	86%					198	51%	71%		

Division	Web Delivery						Hybrid Delivery				Television Delivery				Traditional Delivery		
	Subject Area	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention
Science, Math and Health Science (cont.)	Mathematics	060					42972	33	48%	52%					901	46%	72%
		081					42986	41	27%	59%					901	50%	73%
		105					42988	30	80%	93%					235	69%	82%
		140					42989	28	43%	54%					343	50%	77%
Special Services	Study Skills	109	41631	29	41%	52%								132	60%	82%	
IDS	Interdisciplinary Studies	121									41230	38	47%	68%	0		
SEMESTER TOTAL				2067	54%	69%		1340	57%	70%		665	39%	63%	15838	60%	79%

**Fall 2010 Comparison of SAC Web, Hybrid, Television vs. Traditional Delivery
(Enrollment/Success/Retention)**

Division	Web Delivery						Hybrid Delivery				Television Delivery				Traditional Delivery			
	Subject	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention	
Business	Accounting	035					34052	24	71%	75%								
							34056	22	73%	86%								
							Total	46	72%	80%						35	46%	63%
		101						34078	36	39%	50%							
								34087	30	57%	73%							
			36866	39	56%	64%	Total	66	47%	61%						269	47%	63%
	104	34088	34	50%	59%										41	76%	83%	
	Business Applications	179	34619	37	43%	78%										77	57%	65%
		190	35359	28	61%	64%										0		
		191	35363	28	46%	71%										0		
	Business	100	34107	39	36%	64%	34108	30	37%	50%						84	62%	77%
		105	34117	45	40%	78%	34118	21	43%	48%						156	73%	86%
		106					34124	31	68%	81%						0		
		130	34105	39	33%	46%										0		
		150	34076	39	90%	95%										99	84%	91%
	Computer Science	100	34074	39	82%	87%												
			34075	33	61%	79%												
			Total	72	72%	83%											527	65%
	Engineering	100A					34171	19	84%	84%						0		
		100B					34173	20	85%	85%						0		
		122					34184	26	77%	92%						0		
		124					34185	7	71%	71%						0		
		183					34196	10	50%	80%						30	60%	73%
		184					34198	11	55%	73%						9	56%	78%
	Entrepreneurship	105					34159	38	68%	79%						0		
	Marketing	113					34168	30	47%	53%						41	63%	76%
Paralegal	105	36017	8	63%	88%										0			
	121	36013	31	68%	84%										0			
	130					34348	27	41%	52%						0			
	138					34355	31	42%	74%						0			
	299	36020	2	0%	50%										0			

Division	Web Delivery						Hybrid Delivery				Television Delivery				Traditional Delivery			
	Subject	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention	
Counseling	Counseling	116	34669	35	54%	66%												
			34673	34	38%	71%												
			34674	32	63%	81%												
			34676	35	60%	83%												
			Total	136	54%	75%	34678	40	40%	48%						499	73%	91%
Exercise Science	Exercise Sci. Activ.	123	36342	34	53%	56%												
	Exercise Science Health Education	101	35394	29	59%	83%												
			35395	28	43%	61%												
			Total	57	51%	72%									157	48%	77%	
		102	35594	40	73%	80%												
			36538	38	68%	68%												
			Total	78	71%	74%										0		
		104	36536	38	50%	74%									73	55%	74%	
	Exercise Science Professional	125	35491	38	50%	61%									0			
		150	35535	44	50%	93%												
			36380	41	51%	90%												
			Total	85	51%	92%										0		
160		35558	26	50%	85%										0			
Fine and Performing Arts	Art	100	34313	47	70%	83%												
			34326	35	66%	74%												
			Total	82	68%	79%										536	74%	88%
	Music	101	35619	38	37%	53%									216	63%	77%	
		211	35811	15	20%	27%									0			
	Speech Comm	101	35183	43	63%	81%									455	75%	88%	
	Theatre Arts	100	35603	38	50%	66%												
			35607	36	17%	36%												
			Total	74	34%	51%										50	78%	92%
		131					35644	11	36%	45%					0			

Division	Web Delivery						Hybrid Delivery				Television Delivery				Traditional Delivery			
	Subject	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention	
Human Services & Technology	Criminal Justice	103	35721	31	65%	94%									86	59%	85%	
	Education	204					36372	16	69%	81%					0			
		205					36373	9	78%	89%					0			
	Fire Technology	101	34467	61	67%	74%									304	74%	94%	
		102	34487	53	74%	89%									318	80%	95%	
		103	34494	67	69%	78%									252	72%	90%	
		104	34953	60	52%	77%									208	72%	90%	
		105	34960	59	66%	90%									164	93%	97%	
106	34964	62	73%	90%									177	61%	97%			
Human Services & Technology	Human Development	107	35890	51	59%	84%					35903	108	27%	56%	189	75%	86%	
		112					35938	33	52%	73%					0			
	Nutrition	115					37557	48	75%	83%					0			
	Occupational Therapy Assistant	098	43330	43	91%	100%									0			
		100	36010	39	87%	95%									0			
		101	36011	35	89%	97%									0			
		103	36019	30	77%	97%									0			
		111	36022	38	84%	97%									0			
	Pharmacy	201					36023	29	97%	97%					0			
		048					36268	33	39%	58%					84	43%	70%	
		052					36272	34	24%	35%					101	41%	59%	
054					36275	30	33%	60%					64	36%	64%			
Humanities and Social Sciences	Economics	120					33996	35	43%	80%					195	71%	84%	
		121					33998	32	50%	72%					77	81%	87%	
	English	061					33457	31	19%	23%					768	61%	82%	
		101					33677	32	69%	78%								
							33708	28	54%	71%								
							33716	29	28%	31%								
							33718	29	79%	83%								
							33719	29	72%	76%								
						Total	147	61%	68%							859	65%	83%
	102					33729	27	52%	56%					63	86%	92%		
	103					33736	24	63%	79%					119	73%	87%		
	History	120					33279	26	54%	69%	33284	97	37%	80%	254	43%	67%	
		121					33294	41	54%	80%	33295	78	24%	58%	117	62%	83%	
	Philosophy	110					33331	57	75%	88%					119	90%	97%	
Political Science	101					33389	39	59%	77%					1011	59%	85%		

Division	Web Delivery						Hybrid Delivery				Television Delivery				Traditional Delivery		
	Subject	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention
Humanities and Social Sciences	Psychology	100									33420	132	19%	67%	865	60%	80%
	Sociology	100					33496	35	31%	49%	33505	162	50%	59%	263	56%	82%
		112									33508	138	42%	58%			
												39600	15	60%	67%		
				33506	32	38%	47%				Total	153	44%	59%	0		
	Spanish	101						33555	37	59%	78%						
								33563	31	94%	94%						
							Total	68	75%	85%					188	78%	92%
Library Services	Library Science	053				35355	4	75%	75%					0			
Science, Math and Health Science	Biology	109	34390	38	21%	53%											
			34668	33	27%	48%											
			Total	71	24%	51%									873	57%	81%
		239					35009	32	25%	44%					255	46%	63%
	Chemistry	109					35453	18	83%	83%					0		
			209				35474	28	54%	82%					159	64%	83%
	Geology	101									35309	87	24%	39%	137	49%	84%
	Mathematics	060					34354	26	42%	50%					948	45%	73%
							34418	42	38%	55%					927	53%	75%
							34432	23	70%	78%					266	78%	90%
						34510	34	26%	35%					295	42%	74%	
Special Services	Study Skills	109				36130	27	63%	78%					199	59%	82%	
IDS	Interdisciplinary Studies	121								37340	37	35%	49%				
SEMESTER TOTAL				1964	58%	76%		1484	55%	68%		859	34%	59%	14258	62%	82%

**Spring 2010 Comparison of SAC Web, Television vs. Traditional Delivery
(Enrollment/Success/Retention)**

Division	Web Delivery						Television Delivery				Traditional Delivery			
	Subject	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention	
Business	Accounting	035	27781	33	82%	91%								
			27782	33	64%	67%								
			Total	66	73%	79%				50	60%	70%		
		101	27783	31	29%	48%								
			30842	31	55%	61%								
			Total	62	42%	55%				267	44%	60%		
	104	27937	34	50%	68%									
		30841	31	61%	74%									
		Total	65	55%	71%				19	84%	84%			
	Business Applications	110	30902	41	41%	56%					55	64%	82%	
		179	28553	35	40%	77%					135	53%	82%	
		180	30915	19	68%	74%					0			
		185	28575	16	38%	44%					0			
		190	28630	17	59%	65%					0			
		191	28631	21	38%	38%					0			
	Business	100	27908	37	46%	54%								
			27909	34	29%	41%								
			Total	71	38%	48%				115	49%	65%		
		105	27912	34	47%	56%								
			27918	23	61%	70%								
			Total	57	53%	61%				160	73%	82%		
		125	27917	31	90%	97%					0			
		130	27920	37	35%	43%					0			
		150	26315	41	80%	83%					111	86%	87%	
		160	27862	30	13%	30%					0			
	Computer Science	100	26335	42	67%	74%					537	63%	78%	
		167	26338	35	43%	49%					0			
Engineering	154	28080	28	54%	75%					0				
	183	28078	26	19%	50%					21	67%	90%		
	184	28069	5	20%	60%					25	72%	80%		
	186	28085	16	69%	81%					0				
	201	28075	12	75%	100%					0				

Division	Web Delivery						Television Delivery				Traditional Delivery		
	Subject	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention
Business (Cont.)	Paralegal	101	27931	24	50%	58%					0		
		121	27955	34	65%	88%							
			27956	20	40%	75%							
		Total	54	56%	83%						0		
	137	28016	24	71%	75%						0		
Counseling	Counseling	116	28642	48	65%	79%							
			28643	40	60%	75%							
			28644	41	37%	56%							
		Total	129	54%	71%						966	67%	83%
Exercise Science	Exercise Science Activities	123	32237	24	46%	67%					0		
	Exercise Science Health Education	101	27243	44	57%	77%							
			27257	40	48%	80%							
		Total	84	52%	79%						142	49%	72%
	102	29805	42	52%	74%								
		30428	45	69%	91%								
	Total	87	61%	83%						0			
	104	30859	42	60%	74%						70	50%	66%
	Exercise Science Professional	125	27405	31	29%	45%					0		
		150	27437	44	59%	75%					0		
160		27574	23	70%	74%					0			
Fine and Performing Arts	Art	100	27740	39	82%	82%							
			27766	42	57%	69%							
		Total	81	69%	75%						496	70%	86%
	Music	101	29041	45	31%	56%					232	60%	75%
		211	29054	9	56%	67%					0		
	Speech Communication	101	27693	40	83%	93%					595	70%	85%
		103	30624	38	82%	92%					32	75%	81%
	Theatre Arts	100	28870	34	65%	68%							
			30588	22	64%	64%							
			Total	56	64%	66%						46	70%
		166A	28970	6	83%	100%					0		
		166B	28983	2	50%	100%					0		
	167	28968	7	86%	100%					0			
Health Sciences	Nursing RN	112	26770	62	84%	90%					0		

Division	Web Delivery						Television Delivery				Traditional Delivery		
	Subject	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention
Human Services and Technology	Criminal Justice	101	29867	46	48%	54%							
			29869	35	54%	71%							
			Total	81	51%	62%					427	58%	73%
		103	29873	42	38%	57%					82	66%	85%
	Fire Technology	101	27750	67	67%	81%					286	75%	90%
		102	27758	56	61%	77%					292	79%	92%
		103	27812	75	69%	75%					262	73%	90%
		104	27819	50	40%	74%					229	70%	90%
		105	27823	55	71%	89%					191	89%	95%
		106	27829	55	56%	82%					202	75%	93%
	Human Development	107					30977	90	43%	60%	306	60%	80%
		112	30990	20	65%	85%					0		
		120	31069	38	82%	92%					0		
		121	31070	32	94%	97%					0		
	Nutrition	115	30932	57	82%	88%					81	81%	94%
	Occupational Therapy Assistant	102	30779	30	93%	100%					0		
	Pharmacy	048	27200	49	41%	49%					71	32%	69%
		051	31181	31	42%	68%					111	39%	63%
054		29887	44	36%	48%					65	52%	75%	
Humanities and Social Sciences	Anthropology	100					27536	101	52%	83%	237	64%	82%
	Economics	120	27027	42	52%	67%					343	51%	71%
		121	27039	39	64%	69%					246	65%	74%
	English	061	27301	29	48%	66%					629	64%	83%
		101	27332	32	44%	63%							
			27357	29	90%	90%							
			27358	32	50%	81%							
			27359	28	39%	54%							
		Total	121	55%	72%						925	60%	74%
		102	27372	24	46%	54%					82	76%	84%
	103	27376	31	52%	65%					187	84%	88%	
	Geography	100	27045	39	54%	77%					287	62%	84%
	History	120					27239	79	23%	58%			
							27240	34	47%	56%			
			27237	32	44%	59%	Total	113	30%	58%	150	61%	81%
121		27250	32	53%	66%	27255	65	18%	57%	255	70%	86%	
Philosophy	110	27210	48	77%	83%					180	83%	90%	
Political Science	101	27006	38	55%	74%					916	62%	84%	
Psychology	100					27474	135	31%	73%	539	62%	78%	

Division	Web Delivery						Television Delivery				Traditional Delivery		
	Subject	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention
Humanities and Social Sciences	Sociology	100	27568	39	41%	64%	27575	159	46%	55%	337	74%	85%
		112	27581	32	53%	81%	27582	120	41%	56%	37	95%	100%
	Spanish	102	27643	35	54%	63%	27647	27	74%	85%	96	73%	88%
Library Services	Library Science	053	27814	2	100%	100%					0		
Science, Math and Health Science	Biology	109	28979	42	45%	62%							
			28980	31	32%	39%							
			28982	40	25%	53%							
		Total	113	35%	52%					855	49%	70%	
	217	28974	32	69%	84%						0		
	239	28987	32	44%	63%								
		28989	32	41%	53%								
		Total	64	42%	58%					194	37%	58%	
	249	28984	34	74%	85%						61	67%	75%
	Chemistry	209	28125	31	55%	74%					193	62%	79%
	Mathematics	060	28817	51	39%	57%					869	44%	71%
		080	28850	39	49%	67%					925	49%	71%
105		28857	40	40%	65%					175	61%	81%	
140		28867	36	17%	42%					301	48%	72%	
Special Services	Study Skills	109	30380	29	41%	72%					123	52%	72%
IDS	Interdisciplinary Studies	121					29019	38	50%	66%	0		
SEMESTER TOTAL				3519	55%	70%		848	40%	64%	15821	61%	79%

**Fall 2009 Comparison of SAC Web, Television vs. Traditional Delivery
(Enrollment/Success/Retention)**

Division	Web Delivery						Television Delivery				Traditional Delivery			
	Subject Area	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention	
Business	Accounting	035	20990	34	85%	91%								
			21021	31	68%	74%								
			Total	65	77%	83%					53	43%	68%	
		101	23419	33	55%	64%								
			23428	29	31%	55%								
			Total	62	44%	60%					293	54%	67%	
	104	23447	33	45%	76%					44	93%	98%		
	Business Applications	110	23011	28	39%	86%					123	59%	77%	
		179	23035	38	37%	74%					67	63%	66%	
		190	23046	22	59%	64%					0			
		191	23049	38	32%	39%					0			
	Business	100	20987	22	36%	41%								
			25044	35	49%	77%								
			Total	57	44%	63%					113	56%	65%	
		105	21066	39	74%	82%								
			21120	25	80%	84%								
			Total	64	77%	83%					158	78%	87%	
		106	23738	36	61%	67%					0			
		130	23772	44	45%	70%					0			
		150	21147	41	85%	85%					100	86%	87%	
	160	23778	31	29%	45%					0				
	Computer Science	100	21068	41	76%	76%								
			21097	38	58%	63%								
			Total	79	67%	70%					536	57%	74%	
	Engineering	100A	22955	19	74%	74%					0			
		100B	22956	16	88%	94%					0			
		112	22957	21	67%	76%					0			
183		22981	11	36%	64%					58	64%	72%		
184		22982	7	43%	57%					37	51%	59%		
186		22983	17	65%	76%					0				
187		22984	6	83%	83%					0				
Paralegal	105	23798	15	60%	80%					0				
	299	23787	1	0%	0%					0				

Division	Web Delivery						Television Delivery				Traditional Delivery			
	Subject Area	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention	
Counseling	Counseling	116	21663	37	57%	73%								
			21691	45	51%	67%								
			21707	41	54%	71%								
			Total	123	54%	70%					644	71%	85%	
Exercise Science	Exercise Science Activities	123	23980	25	44%	64%					0			
	Exercise Science Health Education	101	23508	42	62%	81%					165	53%	78%	
			102	23521	40	65%	78%					0		
			104	23525	30	47%	83%					65	57%	75%
	Exercise Science Professional	125	150	23529	31	48%	68%					0		
				23526	44	61%	75%							
				23527	41	51%	71%							
Total				85	56%	73%					0			
	160	23528	32	31%	38%					0				
Fine and Performing Arts	Art	100	22558	46	67%	72%								
			23373	50	92%	92%								
			Total	96	80%	82%					547	74%	85%	
	Music	101	23313	40	50%	58%					207	70%	84%	
			211	23314	5	60%	80%							
	Speech Communication	101	23051	37	81%	89%					545	72%	90%	
			103	23093	36	75%	86%					32	88%	91%
	Theatre Arts	100	23347	58	52%	62%					46	78%	85%	
			131	23407	12	25%	33%					0		
			165	23507	11	45%	55%					0		
Human Services & Technology	Criminal Justice	101	21876	47	30%	49%								
			21885	45	33%	47%								
			Total	92	32%	48%					447	54%	78%	
	Education	103	21916	28	54%	61%					107	56%	80%	
			204	24091	15	80%	80%					0		
	205	24092	2	0%	0%					0				
Human Services & Technology	Fire Technology	101	21425	66	79%	91%					332	68%	89%	
			102	21453	53	83%	98%					337	79%	91%
			103	24156	83	60%	70%					260	76%	92%
			104	21484	50	46%	68%					174	65%	86%
			105	21494	56	55%	91%					136	93%	96%
			106	21508	60	53%	90%					171	65%	97%

Division	Web Delivery						Television Delivery				Traditional Delivery		
	Subject Area	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention
Human Services & Technology	Human Development	107					23788	108	25%	56%	230	67%	88%
		112	23804	31	68%	87%					0		
	Nutrition	115	25109	59	76%	83%					86	87%	94%
	Occupational Therapy Assistant	100	23190	34	88%	94%					0		
		101	23193	32	94%	94%					0		
		103	23892	28	89%	96%					0		
		111	23896	32	59%	91%					0		
	Pharmacy	201	23897	25	100%	100%					0		
		048	23833	40	50%	58%					79	52%	66%
		052	30061	29	17%	28%					115	41%	60%
	054	23845	34	44%	44%					75	48%	63%	
Humanities and Social Sciences	Economics	120	21344	41	61%	83%					326	55%	68%
		121	21353	36	50%	64%					109	71%	82%
	English	061	20733	34	56%	68%					720	59%	83%
		101	20786	36	53%	78%							
			20791	28	89%	89%							
			20799	29	45%	66%							
		20801	31	39%	58%								
		20802	37	46%	62%								
		Total	161	53%	70%							908	65%
	102	20811	22	45%	55%						54	78%	85%
	103	20817	30	37%	53%						175	68%	81%
	Geography	100	21393	34	35%	56%					256	66%	79%
	History	120	21497	41	63%	80%	21547	56	21%	55%	233	53%	72%
		121					21591	70	21%	61%			
			21590	27	56%	74%	Total	96	34%	68%		70	67%
	Philosophy	110	21015	55	69%	82%					112	88%	91%
	Political Science	101	21299	34	26%	44%					1020	63%	86%
Psychology	100					21672	48	44%	75%	878	53%	76%	
Sociology	100	21067	39	33%	62%	21079	155	47%	73%	330	63%	85%	
	112					21082	108	41%	77%				
		21090	23	26%	65%	Total	131	38%	75%		0		
21081	30	37%	60%										
Spanish	101	21107	35	80%	86%	21181	31	77%	94%	199	81%	90%	

Division	Web Delivery						Television Delivery				Traditional Delivery		
	Subject Area	Course	Section #	Enrollment	Success	Retention	Section #	Enrollment	Success	Retention	Enrollment	Success	Retention
Science, Math and Health Science	Biology	109	21412	46	52%	76%							
			21416	36	25%	28%							
			Total	82	40%	55%					882	49%	71%
		217	22010	37	84%	86%					0		
		239	22033	33	27%	39%					263	33%	49%
		249	22042	37	51%	62%					65	65%	71%
	Chemistry	109	21429	25	88%	88%					0		
		209	21503	31	35%	58%					155	63%	76%
	Geology	101					21435	59	22%	51%	148	51%	74%
	Mathematics	060	22719	36	44%	58%					963	44%	72%
		080	22886	35	31%	63%					997	45%	67%
		105	22745	33	42%	76%					241	72%	88%
		140	22755	36	44%	64%					297	42%	63%
Nursing RN	200	22425	24	79%	100%					0			
Special Services	Study Skills	109	21761	27	63%	74%					175	59%	73%
IDS	Interdisciplinary Studies	121					25041	25	60%	68%	0		
SEMESTER TOTAL				3358	57%	71%		710	38%	68%	15958	60%	79%