

College of San Mateo
Instructional Productivity and Efficiency, Fall 2007 vs. Fall 2010

Collegewide Total

Semester	Enrollments	FTEF	FTES	WSCH	Load	Sections
Fall 2007	27,737	235.83	3,967.22	119,015	505	1,149
Fall 2008	27,758	228.63	3,975.45	119,263	522	1,113
Fall 2009	28,938	214.47	4,135.15	124,055	578	1,058
Fall 2010	26,632	192.68	3,731.41	111,942	581	945
Total	111,065	871.61	15,809.23	474,274	544	4,265
<i>Change from Fall 2007 to Fall 2010</i>	-1105	-43.15	-235.81	-7072	76	-204
<i>% Change from Fall 2007 to Fall 2010</i>	-4.0%	-18.3%	-5.9%	-5.9%	15.1%	-17.8%

College of San Mateo
Instructional Productivity and Efficiency, Fall 2007 vs. Fall 2010
Programs Sorted by Size and by WSCH, Magnitude, and Load

Large Programs

Large Programs Sorted by Fall 2010 WSCH

<i>Programs</i>	<i>Enrollments</i>		<i>WSCH</i>				<i>Fall 2010 Load</i>
	<i>Fall 2007</i>	<i>Fall 2010</i>	<i>Fall 2007</i>	<i>Fall 2010</i>	<i>Change in WSCH</i>	<i>Magnitude</i>	
Mathematics	2,517	2,943	13,241	15,500	2,260	17.1%	614
English & Literature	2,090	2,354	8,893	10,544	1,651	18.6%	453
English	2,029	2,257	8,706	10,253	1,547	17.8%	452
Physical Education (Combined Depts.)	2,644	2,485	11,585	8,664	-2,921	-25.2%	655
Biology & Health Science	1,486	1,344	7,293	7,552	259	3.6%	715
Biology	1,108	1,194	6,588	7,102	514	7.8%	713
Art	849	897	5,516	5,345	-171	-3.1%	581
Cosmetology	223	218	3,608	4,587	978	27.1%	1274
Chemistry	422	428	3,854	3,948	94	2.4%	599
English Second Language	934	827	3,730	3,586	-145	-3.9%	437
Accounting	890	1,192	3,989	3,525	-464	-11.6%	666
Music	1,122	1,000	4,680	3,311	-1,370	-29.3%	502
Psychology	1,124	974	3,804	3,302	-503	-13.2%	937
Speech Communication	687	736	2,790	3,101	312	11.2%	506
Nursing	559	498	2,165	2,942	777	35.9%	274
ART 2-D	260	310	2,314	2,860	546	23.6%	696
Physical Education - Fitness	921	991	3,583	2,827	-756	-21.1%	785

Notes: Large Programs = WSCH > 2,500 for Fall 2010.
 Magnitude = % change Fall 2007 to Fall 2010, or $\frac{\text{Fall 2010} - \text{Fall 2007}}{\text{Fall 2007}}$

Large Programs Sorted by Magnitude

Programs	Enrollments		WSCH				Fall 2010 Load
	Fall 2007	Fall 2010	Fall 2007	Fall 2010	Change in WSCH	Magnitude	
Nursing	559	498	2,165	2,942	777	35.9%	274
Cosmetology	223	218	3,608	4,587	978	27.1%	1,274
ART 2-D	260	310	2,314	2,860	546	23.6%	696
English & Literature	2,090	2,354	8,893	10,544	1,651	18.6%	453
English	2,029	2,257	8,706	10,253	1,547	17.8%	452
Mathematics	2,517	2,943	13,241	15,500	2,260	17.1%	614
Speech Communication	687	736	2,790	3,101	312	11.2%	506
Biology	1,108	1,194	6,588	7,102	514	7.8%	713
Biology & Health Science	1,486	1,344	7,293	7,552	259	3.6%	715
Chemistry	422	428	3,854	3,948	94	2.4%	599
Art	849	897	5,516	5,345	-171	-3.1%	581
English Second Language	934	827	3,730	3,586	-145	-3.9%	437
Accounting	890	1,192	3,989	3,525	-464	-11.6%	666
Psychology	1,124	974	3,804	3,302	-503	-13.2%	937
Physical Education - Fitness	921	991	3,583	2,827	-756	-21.1%	785
Physical Education (Combined Depts.)	2,644	2,485	11,585	8,664	-2,921	-25.2%	655
Music	1,122	1,000	4,680	3,311	-1,370	-29.3%	502

Notes: Large Programs = WSCH > 2,500 for Fall 2010.
 Magnitude = % change Fall 2007 to Fall 2010, or $\frac{\text{Fall 2010} - \text{Fall 2007}}{\text{Fall 2007}}$

Large Programs Sorted by Load

Programs	Enrollments		WSCH				Fall 2010 Load
	Fall 2007	Fall 2010	Fall 2007	Fall 2010	Change in WSCH	Magnitude	
Cosmetology	223	218	3,608	4,587	978	27.1%	1274
Psychology	1,124	974	3,804	3,302	-503	-13.2%	937
Physical Education - Fitness	921	991	3,583	2,827	-756	-21.1%	785
Biology & Health Science	1,486	1,344	7,293	7,552	259	3.6%	715
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Mathematics	2,517	2,943	13,241	15,500	2,260	17.1%	614
Chemistry	422	428	3,854	3,948	94	2.4%	599
Art	849	897	5,516	5,345	-171	-3.1%	581
Speech Communication	687	736	2,790	3,101	312	11.2%	506
Music	1,122	1,000	4,680	3,311	-1,370	-29.3%	502
English & Literature	2,090	2,354	8,893	10,544	1,651	18.6%	453
English	2,029	2,257	8,706	10,253	1,547	17.8%	452
English Second Language	934	827	3,730	3,586	-145	-3.9%	437
Nursing	559	498	2,165	2,942	777	35.9%	274

Notes: Large Programs = WSCH > 2,500 for Fall 2010.
 Magnitude = % change Fall 2007 to Fall 2010, or $\frac{\text{Fall 2010} - \text{Fall 2007}}{\text{Fall 2007}}$

Medium Programs

Medium Programs Sorted by Fall 2010 WSCH

Programs	Enrollments		WSCH				Fall 2010 Load
	Fall 2007	Fall 2010	Fall 2007	Fall 2010	Change in WSCH	Magnitude	
Computer Information Science	406	454	1,773	2,382	609	34.3%	522
Fire Science Technology	348	335	2,864	2,338	-526	-18.4%	913
DGME	0	612	0	2,314	2,314	0%	420
Ethnic Studies	809	766	2,426	2,308	-117	-4.8%	773
Physical Education - Varsity Sports	253	260	2,805	2,240	-565	-20.2%	715
History	620	649	1,923	1,947	24	1.2%	608
Business & Management	699	516	2,364	1,901	-463	-19.6%	680
Foreign Languages	985	470	4,230	1,850	-2,380	-56.3%	631
Astronomy	432	471	1,583	1,757	174	11.0%	874
Political Science	551	522	1,713	1,736	24	1.4%	531
Business	642	447	2,181	1,694	-487	-22.3%	708
Sociology	509	537	1,697	1,611	-86	-5.1%	671
Physics	207	242	1,243	1,582	339	27.2%	486
Business Microcomputer Applications	498	590	1,381	1,513	132	9.6%	658
Philosophy	391	441	1,449	1,323	-126	-8.7%	643
Administration of Justice	308	348	1,021	1,311	291	28.5%	632
Electronics Technology	141	282	751	1,283	532	70.9%	444
Spanish	228	248	1,027	1,248	220	21.4%	720
Photography	177	176	1,243	1,151	-92	-7.4%	554
Economics	393	372	1,211	1,116	-95	-7.9%	620
Physical Education Adaptive/Corrective	455	397	1,255	1,037	-218	-17.4%	741
Reading	378	397	1,332	1,031	-301	-22.6%	516
Physical Education - Team Sport	210	244	1,302	1,010	-292	-22.4%	407
Dental Assisting	214	261	865	987	122	14.1%	416
Art History	168	218	640	885	245	38.3%	776
Career and Personal Development	684	655	1,035	856	-179	-17.3%	713

Notes: Medium Programs = 750 <= WSCH <= 2,500 for Fall 2010.
 Magnitude = % change Fall 2007 to Fall 2010, or $\frac{\text{Fall 2010} - \text{Fall 2007}}{\text{Fall 2007}}$

Medium Programs Sorted by Magnitude

Programs	Enrollments		WSCH			Magnitude	Fall 2010 Load
	Fall 2007	Fall 2010	Fall 2007	Fall 2010	Change in WSCH		
Electronics Technology	141	282	751	1,283	532	70.9%	444
Art History	168	218	640	885	245	38.3%	776
Computer Information Science	406	454	1,773	2,382	609	34.3%	522
Administration of Justice	308	348	1,021	1,311	291	28.5%	632
Physics	207	242	1,243	1,582	339	27.2%	486
Spanish	228	248	1,027	1,248	220	21.4%	720
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Political Science	551	522	1,713	1,736	24	1.4%	531
History	620	649	1,923	1,947	24	1.2%	608
Ethnic Studies	809	766	2,426	2,308	-117	-4.8%	773
Sociology	509	537	1,697	1,611	-86	-5.1%	671
Photography	177	176	1,243	1,151	-92	-7.4%	554
Economics	393	372	1,211	1,116	-95	-7.9%	620
Philosophy	391	441	1,449	1,323	-126	-8.7%	643
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Reading	378	397	1,332	1,031	-301	-22.6%	516
Foreign Languages	985	470	4,230	1,850	-2,380	-56.3%	631
DGME	0	612	0	2,314	2,314		420

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Photography	177	176	1,243	1,151	-92	-7.4%	554
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Notes: Medium Programs = 750 <= WSCH <= 2,500 for Fall 2010.
 Magnitude = % change Fall 2007 to Fall 2010, or $\frac{\text{Fall 2010} - \text{Fall 2007}}{\text{Fall 2007}}$

Small Programs

Small Programs Sorted by Fall 2010 WSCH

Programs	Enrollments		WSCH				Fall 2010 Load
	Fall 2007	Fall 2010	Fall 2007	Fall 2010	Change in WSCH	Magnitude	
Social Science	209	227	689	735	46	6.7%	487
Business Windows Applications	361	395	760	641	-118	-15.6%	493
Dance	434	298	1,268	629	-640	-50.4%	698
Architecture	89	119	756	577	-179	-23.7%	940
Film	183	137	660	565	-95	-14.5%	753
Geology	73	134	302	563	261	86.2%	1005
ART 3 –D	48	77	413	545	132	32.0%	665
Anthropology	105	152	319	456	137	43.0%	760
Health Science	378	150	705	450	-255	-36.2%	750
Humanities	233	142	736	449	-287	-39.0%	621
Alcohol & Other Drug Studies	163	144	541	443	-98	-18.1%	554
Real Estate	361	136	1,191	408	-783	-65.8%	680
Aquatics	119	133	447	399	-48	-10.8%	665
Engineering	43	72	233	389	156	67.1%	522
Drafting Technology	65	54	490	369	-121	-24.7%	385
Physical Education - Theory	151	99	509	365	-144	-28.3%	421
Literature	61	97	188	291	103	55.0%	485
Geography	98	94	294	282	-12	-4.1%	705
Building Inspection	191	83	626	257	-369	-59.0%	428
Oceanography	155	59	637	248	-389	-61.1%	1239
Management	57	69	183	207	24	12.9%	518
American Sign Language	152	86	614	181	-434	-70.6%	301
Physical Education - Individual Sport	101	63	415	157	-258	-62.2%	628
Chinese	141	51	591	153	-438	-74.1%	765
Italian	147	45	631	149	-483	-76.5%	743
Horticulture	165	43	603	135	-468	-77.6%	277
Japanese	140	40	589	120	-469	-79.6%	600
METE	12	28	48	118	70	145.0%	588
Paleontology	30	27	120	113	-7	-5.5%	567
Library Science	19	50	45	79	34	75.2%	1051
Developmental Learning Skills	76	17	58	19	-39	-66.9%	289
Human Services	152	0	581	0	-581	-100.0%	0

Small Programs Sorted by Fall 2010 WSCH (cont.)

Programs	Enrollments		WSCH				Fall 2010 Load
	Fall 2007	Fall 2010	Fall 2007	Fall 2010	Change in WSCH	Magnitude	
Admin of Justice - Public Safety	0	161	0	0	0	0	0
Electrical Apprenticeship	168	128	0	0	0	0	0
Sprinkler Fitter Apprentice	200	148	0	0	0	0	0
Aeronautics	15	0	50	0	-50	-100.0%	0
Broadcasting Arts	83	0	423	0	-423	-100.0%	0
Consumer Arts and Science	60	0	180	0	-180	-100.0%	0
Cooperative Education	193	0	577	0	-577	-100.0%	0
French	117	0	524	0	-524	-100.0%	0
German	60	0	254	0	-254	-100.0%	0
Graphics	135	0	801	0	-801	-100.0%	0
Journalism	40	0	153	0	-153	-100.0%	0
MANU	21	0	84	0	-84	-100.0%	0
Machine Tool Technology	18	0	72	0	-72	-100.0%	0
Multimedia	271	0	1,026	0	-1026	-100.0%	0
Welding	96	0	768	0	-768	-100.0%	0
PLUM	195	0	1,103	0	-1103	-100.0%	0

Notes: Small Programs = WSCH < 750 for Fall 2010.

Magnitude = % change Fall 2007 to Fall 2010, or $\frac{\text{Fall 2010} - \text{Fall 2007}}{\text{Fall 2007}}$

Small Programs Sorted by Magnitude

Programs	Enrollments		WSCH				Fall 2010 Load
	Fall 2007	Fall 2010	Fall 2007	Fall 2010	Change in WSCH	Magnitude	
METE	12	28	48	118	70	145.0%	588
Geology	73	134	302	563	261	86.2%	1005
Library Science	19	50	45	79	34	75.2%	1051
Engineering	43	72	233	389	156	67.1%	522
Literature	61	97	188	291	103	55.0%	485
Anthropology	105	152	319	456	137	43.0%	760
ART 3 -D	48	77	413	545	132	32.0%	665
Management	57	69	183	207	24	12.9%	518
Social Science	209	227	689	735	46	6.7%	487
Geography	98	94	294	282	-12	-4.1%	705
Paleontology	30	27	120	113	-7	-5.5%	567
Aquatics	119	133	447	399	-48	-10.8%	665
Film	183	137	660	565	-95	-14.5%	753
Business Windows Applications	361	395	760	641	-118	-15.6%	493
Alcohol & Other Drug Studies	163	144	541	443	-98	-18.1%	554
Architecture	89	119	756	577	-179	-23.7%	940
Drafting Technology	65	54	490	369	-121	-24.7%	385
Physical Education - Theory	151	99	509	365	-144	-28.3%	421
Health Science	378	150	705	450	-255	-36.2%	750
Humanities	233	142	736	449	-287	-39.0%	621
Dance	434	298	1,268	629	-640	-50.4%	698
Building Inspection	191	83	626	257	-369	-59.0%	428
Oceanography	155	59	637	248	-389	-61.1%	1239
Physical Education - Individual Sport	101	63	415	157	-258	-62.2%	628
Real Estate	361	136	1,191	408	-783	-65.8%	680
Developmental Learning Skills	76	17	58	19	-39	-66.9%	289
American Sign Language	152	86	614	181	-434	-70.6%	301
Chinese	141	51	591	153	-438	-74.1%	765
Italian	147	45	631	149	-483	-76.5%	743
Horticulture	165	43	603	135	-468	-77.6%	277
Japanese	140	40	589	120	-469	-79.6%	600
Human Services	152	0	581	0	-581	-100.0%	0
Aeronautics	15	0	50	0	-50	-100.0%	0
Broadcasting Arts	83	0	423	0	-423	-100.0%	0
Consumer Arts and Science	60	0	180	0	-180	-100.0%	0

Small Programs Sorted by Magnitude (cont.)

Programs	Enrollments		WSCH				Fall 2010 Load
	Fall 2007	Fall 2010	Fall 2007	Fall 2010	Change in WSCH	Magnitude	
Cooperative Education	193	0	577	0	-577	-100.0%	0
French	117	0	524	0	-524	-100.0%	0
German	60	0	254	0	-254	-100.0%	0
Graphics	135	0	801	0	-801	-100.0%	0
Journalism	40	0	153	0	-153	-100.0%	0
MANU	21	0	84	0	-84	-100.0%	0
Machine Tool Technology	18	0	72	0	-72	-100.0%	0
Multimedia	271	0	1,026	0	-1026	-100.0%	0
Welding	96	0	768	0	-768	-100.0%	0
PLUM	195	0	1,103	0	-1103	-100.0%	0
Admin of Justice - Public Safety	0	161	0	0	0	0%	0
Electrical Apprenticeship	168	128	0	0	0	0%	0
Sprinkler Fitter Apprentice	200	148	0	0	0	0%	0

Notes: Small Programs = WSCH < 750 for Fall 2010.

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Small Programs Sorted by Load

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	Fall 2007	Fall 2010	Fall 2007	Fall 2010	Change in WSCH	Magnitude	
Oceanography	155	59	637	248	-389	-61.1%	1239
Library Science	19	50	45	79	34	75.2%	1051
Geology	73	134	302	563	261	86.2%	1005
Architecture	89	119	756	577	-179	-23.7%	940
Chinese	141	51	591	153	-438	-74.1%	765
Anthropology	105	152	319	456	137	43.0%	760
Film	183	137	660	565	-95	-14.5%	753
Health Science	378	150	705	450	-255	-36.2%	750
Italian	147	45	631	149	-483	-76.5%	743
Geography	98	94	294	282	-12	-4.1%	705
Dance	434	298	1,268	629	-640	-50.4%	698
Real Estate	361	136	1,191	408	-783	-65.8%	680
Aquatics	119	133	447	399	-48	-10.8%	665
ART 3 -D	48	77	413	545	132	32.0%	665
Physical Education - Individual Sport	101	63	415	157	-258	-62.2%	628
Humanities	233	142	736	449	-287	-39.0%	621
Japanese	140	40	589	120	-469	-79.6%	600
METE	12	28	48	118	70	145.0%	588
Paleontology	30	27	120	113	-7	-5.5%	567
Alcohol & Other Drug Studies	163	144	541	443	-98	-18.1%	554
Engineering	43	72	233	389	156	67.1%	522
Management	57	69	183	207	24	12.9%	518
Business Windows Applications	361	395	760	641	-118	-15.6%	493
Social Science	209	227	689	735	46	6.7%	487
Literature	61	97	188	291	103	55.0%	485
Building Inspection	191	83	626	257	-369	-59.0%	428
Physical Education - Theory	151	99	509	365	-144	-28.3%	421
Drafting Technology	65	54	490	369	-121	-24.7%	385
American Sign Language	152	86	614	181	-434	-70.6%	301
Developmental Learning Skills	76	17	58	19	-39	-66.9%	289
Horticulture	165	43	603	135	-468	-77.6%	277
Human Services	152	0	581	0	-581	-100.0%	0
Aeronautics	15	0	50	0	-50	-100.0%	0
Broadcasting Arts	83	0	423	0	-423	-100.0%	0

Small Programs Sorted by Load (cont.)

Programs	Enrollments		WSCH				Fall 2010 Load
	Fall 2007	Fall 2010	Fall 2007	Fall 2010	Change in WSCH	Magnitude	
Consumer Arts and Science	60	0	180	0	-180	-100.0%	0
Cooperative Education	193	0	577	0	-577	-100.0%	0
French	117	0	524	0	-524	-100.0%	0
German	60	0	254	0	-254	-100.0%	0
Graphics	135	0	801	0	-801	-100.0%	0
Journalism	40	0	153	0	-153	-100.0%	0
MANU	21	0	84	0	-84	-100.0%	0
Machine Tool Technology	18	0	72	0	-72	-100.0%	0
Multimedia	271	0	1,026	0	-1026	-100.0%	0
Welding	96	0	768	0	-768	-100.0%	0
PLUM	195	0	1,103	0	-1103	-100.0%	0
Admin of Justice - Public Safety	0	161	0	0	0	0	0
Electrical Apprenticeship	168	128	0	0	0	0	0
Sprinkler Fitter Apprentice	200	148	0	0	0	0	0

Notes: Small Programs = WSCH < 750 for Fall 2010.

Magnitude = % change Fall 2007 to Fall 2010, or $\frac{\text{Fall 2010} - \text{Fall 2007}}{\text{Fall 2007}}$