

Attachment 1. Strategy/Activity	2007-2008	Year 1/2008-2009		Year 2/2009-2010		Year 3/2010-2011		Year 4/2011-2012		Year 5/2012-2013	
	Baseline Year	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual
Increase STEM 4 yr Transfers and AA Degrees Awarded Target: +25 per year per CC	691	741	756	806	795‡	856	962	1012	1021	1071	Not Available until Dec2013
SAC	226	251	246	271	204‡	296	239	321	295	320	
Mt. SAC	465	490	510	535	591	616	666	691	726	751	
CC STEM Transfers to CSUF <sup>1</sup> Target: +40 per year	48	88	38	78	35	75	58	98	45	85	82
SAC	25	45	25	45	13	33	36	56	33	53	66
Mt. SAC	23	43	13	33	22	42	22	42	12	32	16
New CC Declared STEM Majors Target: +20-40 per year	1736	1776-1796	1861	1901-1941	1736‡	1979-2009	2168	2208-2248	2294	2248-2288	2692
SAC	1099	1119-1129	1185	1205-1225	1022‡	1245-1265	1359	1379-1399	1417	1399-1459	1732
Mt. SAC	632	652-662	676	696-716	714	734-744	809	829-849	877	897-917	960
STEM Degrees Awarded at CSUF for Transfer Students <sup>2</sup> (Target: +40 per year)	223	223	235	235	213	253	214 <sup>1</sup>	254	198 <sup>1</sup>	238	Not Available until fall 2013
CSUF Grad Students Teaching at the Community College	0	4	0	4	1	4	3	4	3	4	3
CSUF STEM Major Retention- %											
First Time Freshmen <sup>3</sup>											Not Available until fall 2013
NSM		None	59.0%	None	68.4%	None	66.2%	None	71.3%	None	
ECS		None	50.8%	None	67.8%	None	69.2%	None	72.4%	None	
Transfer Students											
NSM	70.6%	None	65.5%	None	70.8%	None	68.7%	None	72.7%	None	
ECS	58.0%	None	50.7%	None	70.4%	None	67.8%	None	77.0%	None	
All STEM Transfers	67.9%	None	63.4%	None	71.1%	None	68.7%	None	74.8%	None	

Supplemental Instruction Impact (with SI vs no SI) <sup>4</sup>			2008-2009		2009-2010		2010-2011		2011-2012		2012-2013
CSUF <sup>5</sup> all courses											
Math											
Passing rate					82% vs 69%		74% vs 49%		84% vs 68%		
GPA					2.40vs 1.90		2.25 vs1.50		2.44 vs 1.96		
Biology											
Passing Rate									Biol/Chem		
GPA					Not anal		83% vs57%		Under Anal		
SAC (avg)					2.97vs 2.25		2.82 vs2.03				
Biology Grade											
% Retention					83% vs 69%		79%vs69%		Biol/Chem		Under
%					92% vs 71%		92%vs79%		82% vs 74%		Analysis
%									92% vs 69%		
Math											
Grade%					91% vs 78%		83% vs78%		Not offered that year		
Retention %					96% vs 80%		85% vs 70%				
Mt. SAC											
Math											
Passing Rate			89% vs 74%		86% vs 79%		90% vs 67%		87% vs 50%*		
GPA			2.70vs2.18		2.58vs 2.41		2.50 vs2.15		2.67 vs 2.00		
Sciences											
Passing rate			84% vs 74%		88% vs 79%		91% vs 72%		87% vs 50%*		
GPA			2.40vs2.32		2.66vs 2.40		3.07 vs 2.26		2.82 vs 2.26		
									*math/science composite %'s		

Appendix Notes:

‡ Computer system change in 2009-2010 at SAC may have caused missing count in AA degrees/ 4 yr transfers and declared STEM majors.

Many students at community colleges do not get an AA degree prior to transfer

1. Negative impacts of 10% enrollment reductions and almost no spring transfers in 2009 or 2010 or 2012 and impaction effect on Mt.SAC where out of service area transfers required GPA of 3.7 or higher in 2010 and 3.3 or higher in 2011 and 2012.
2. Only 54% of NSM STEM transfers and 40% of ECS STEM transfers graduate in four years or less after transfer. Over the course of the TEST:UP program STEM transfer years to graduation were reduced from an average of 4.4 year to 3.5 years while graduation time for STEM students starting out as freshmen remained unchanged at ~5.5 years.
3. Impact of programs on retention of first time freshmen STEM majors is an intermediate indicator. Transfer student retention rates reported as separate.
4. SI data are provided as intermediate indicators. TEST:UP is funding SI at the community college partners, and funded at CSUF in spring 2011 and 2012-2013 with permission of NSF.
5. CSUF SI data include for math: college algebra, pre-calculus, calculus 1 and calculus 2; and for Biology Biodiversity and Evolution and Cellular Basis of Life