



2015

Santiago Canyon College
Pathways of Student Persistence and Performance

Introduction

The RSCCD Research Department publishes this report annually which shows students' semester-to-semester persistence and course completion rates.

There were 2,030 first-time freshmen enrolled in classes at Santiago Canyon College in Fall 2014 (end of term). This group, or “cohort,” was tracked to subsequent semesters (active third week of class), resulting in a calculated persistence rate. Persistence rates are displayed by ethnicity and by educational goal.

The course success section of this study includes performance in the classroom. The proportion of enrollments in apprenticeship has, historically, contributed significantly to the number of grades received at SCC. Separating this group will provide a more accurate snapshot of course success for students in both apprenticeship and the traditional college program.

The purpose of this report is to identify trends over time. Typically, there are relatively few significant changes. Observed changes are usually gradual and result from shifting composition of the student population, shifting economic conditions, and/or changing program offerings. The addition or expansion of programs can cause fluctuations in student demographics and educational goal distributions of the student population and, therefore, can also cause changes in persistence rates (proportion of students persisting to the next semester) and course success rates.

Summary

Persistence

- Second semester persistence rate for Fall 2014 first-time freshmen dropped one percentage point from last year's cohort (72% from 71%). Changes in persistence rates varied across all cohorts.
 - Third, fourth and fifth semester persistence rates increased slightly (61% from 58%, 56% from 53%, and 42% from 40% respectively),
 - Sixth semester persistence rates held steady at 35%, but
 - Seventh and eighth semester rates fell slightly (24% from 28% and 19% from 24% respectively).

- Second semester persistence rates for African-American students increased by three percentage points, while those for Latino and Asian students dropped one percentage point each. White students maintain a persistence rate of 73%. The historically high variance in rates for African-American students is largely due to the very small cohort size.

- Degree-directed students (declaring educational goals of earning an AA/AS degree and/or transferring to a four-year university) comprise nearly three-quarters (72%) of the Fall 2014 first-time freshman cohort - continuing a steady upward trend over the last decade (66% to 78%).
 - Similarly, degree-directed student persistence to the second semester has risen steadily over prior years' cohorts (85% to 88%) and significantly exceeds first-time freshmen persistence at large (66% to 78%).

Course Success

- SCC course success rate, overall, remains constant since Fall 2012 at 69%.

- The proportion of enrollments in the apprenticeship program (for the purposes of this report, apprenticeships are identified using subject area) has, historically, contributed significantly to the number of grades received at SCC (comprising nearly one-fifth of total enrollments in Fall 2011). That proportion, however, has declined significantly; it is currently eight percent of SCC enrollments.
 - Apprenticeship students usually succeed at high rates (96% to 97%), and the Fall 2014 success rate of 96% was no exception. Separating this group from the total results ensures a more accurate snapshot of course success for both apprenticeship and traditional college coursework.

- Course success rate in traditional college coursework, non-apprenticeship, remained constant at 67%.
 - The five subjects with highest success rates include: Public Works (95%), Library Studies (92%), Nutrition and Surveying (88% each), and Ethnic Studies (87%).

Persistence

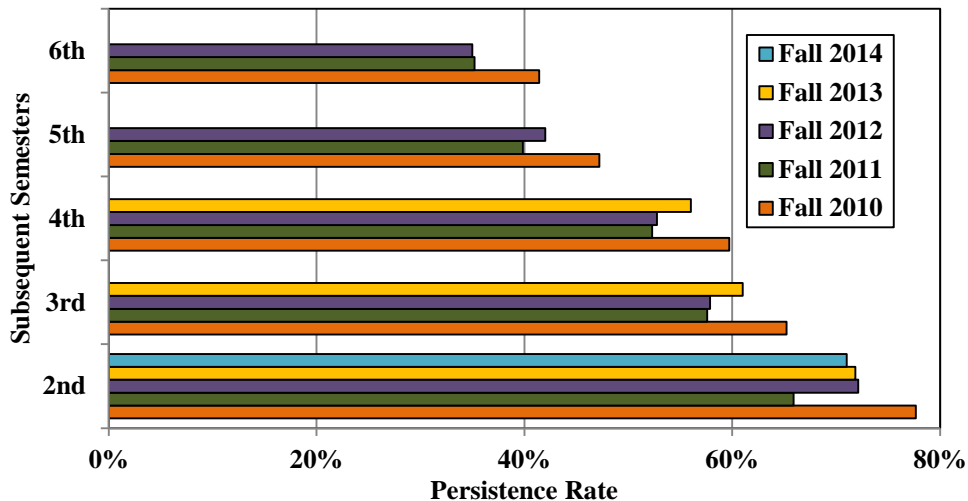
Overall Persistence

- The college has not had the high persistence rate it had in Fall 2010 (at 78% to a 2nd semester); however, it has held steady since Fall 2012 (71% to 72%). Changes in persistence rates varied across all cohorts.
- Second semester persistence rate for Fall 2014 first-time freshmen dropped one percentage point from last year's cohort (72% from 71%).
- Third, fourth and fifth semester persistence rates increased slightly (61% from 58%, 56% from 53%, and 42% from 40% respectively).
- Sixth semester persistence rates held steady at 35%.
- Seventh and eighth semester rates fell slightly (24% from 28% and 19% from 24% respectively).

Santiago Canyon College Subsequent Semester Persistence Rates of First-Time New Freshmen

Semester	Cohort Count	Semesters After Initial Enrollment						
		2nd	3rd	4th	5th	6th	7th	8th
Fall 2010	1593	78%	65%	60%	47%	41%	28%	24%
Fall 2011	2096	66%	58%	52%	40%	35%	24%	19%
Fall 2012	2167	72%	58%	53%	42%	35%		
Fall 2013	2138	72%	61%	56%				
Fall 2014	2030	71%						

Persistence Rates of New Freshmen



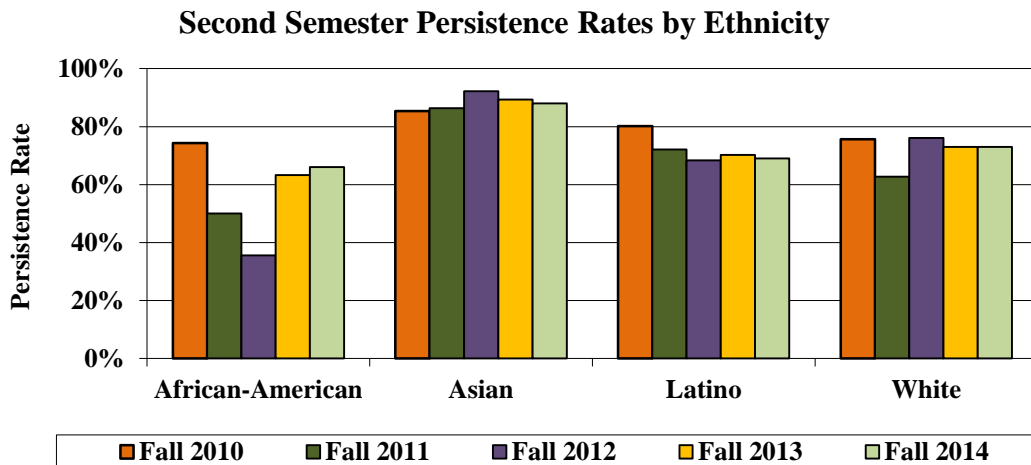
Persistence by Ethnicity

Though it is important to disaggregate persistence data by ethnicity, it should be used cautiously as not all groups have the same number of students. The historically high variance in rates for African-American students is largely due to the very small cohort size.

- Second semester persistence rates for African-American students increased by three percentage points from 63% to 66%. This rates has bounced from a low of 36% to a high of 74% in the last five years.
- Asian students usually persist at the highest rates (85% to 92%), and held steady at 88% in Fall 2014.
- Latino, the largest group of students, also maintained high persistence rates (68% to 80% for the last five years) at 70% (two percentage point drop from last year).
- Whites have maintained a persistence rate of 73% for the last two years.

**Santiago Canyon College
Second Semester Persistence Rates of New Freshman by Ethnicity**

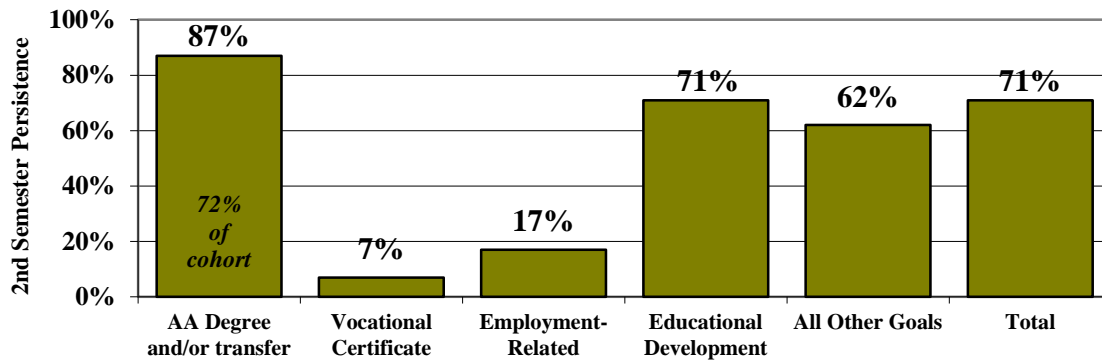
Semester	Cohort Count	African-American	Asian	Latino	White	Total
Fall 2010	1593	74%	85%	80%	76%	78%
Fall 2011	2096	50%	86%	72%	63%	66%
Fall 2012	2167	36%	92%	68%	76%	72%
Fall 2013	2138	63%	89%	70%	73%	72%
Fall 2014	2030	66%	88%	69%	73%	71%



Persistence by Educational Goal

- Degree-directed students (declaring educational goals of earning an AA/AS degree and/or transferring to a four-year university) comprise nearly three-quarters of the Fall 2014 first-time freshman cohort (72%).
- Similarly, degree-directed student second semester persistence has risen steadily (85% to 88% for the last five years) and is at 87% (one percentage point higher) in Fall 2014.
- Persistence to subsequent semesters increased from prior year until seventh and eighth semesters where there is a drop (three and five percentage points respectively). This is not necessarily a bad indicator as we hope students have completed their goals at SCC and continued onto the universities and/or to the workplace.

**Santiago Canyon College
Second Semester Persistence Rates by Educational Goal
Fall 2014 First-Time Freshman Cohort**



**Santiago Canyon College
Persistence Rates of Degree-Directed* First-Time New Freshmen**

Semester	Cohort Count	Semesters After Initial Enrollment						
		2nd	3rd	4th	5th	6th	7th	8th
Fall 2010	1208	86%	74%	68%	54%	48%	33%	28%
Fall 2011	1350	85%	77%	69%	49%	43%	30%	23%
Fall 2012	1412	88%	74%	67%	53%	45%		
Fall 2013	1508	86%	74%	67%				
Fall 2014	1456	87%						

*degree-directed are those who intend to pursue an AA/AS degree and/or transfer to a four-year university

Course Success

Success in Apprenticeship

- The proportion of enrollments in the Apprenticeship program (for the purposes of this report, apprenticeships are identified using subject area) has, historically, contributed significantly to the number of grades received at SCC (comprising about one-fifth of total enrollments in Fall 2011). That proportion, however, has declined significantly in recent years; apprenticeships contribute eight percent of Fall 2014 enrollments.
- Students traditionally succeed in apprenticeship coursework at high rates (96% to 97%) - and the Fall 2014 rate (96%) was no exception. Separating this non-traditional group from the total results is a more accurate snapshot of course success for both apprenticeship and non-apprenticeship.

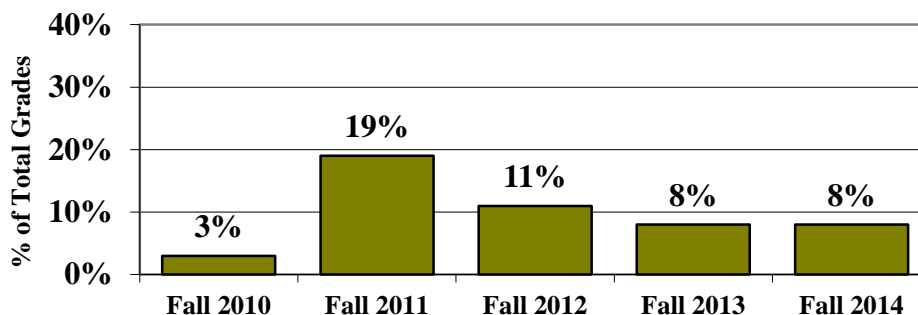
Success in General College Coursework (Non-Apprenticeship)

- The Fall 2014 success rate in Non-Apprenticeship classes remained constant at 67%, as did the course success rate in all classes (69%).
 - The subjects with highest success rates include: Public Works (95%), Library Studies (92%), Nutrition and Surveying (88% each), and Ethnic Studies (87%).

Santiago Canyon College Success Rates For Apprenticeship and General College Coursework

Semester	Apprenticeship	Non-Apprenticeship	Total All Classes
Fall 2010	96%	65%	66%
Fall 2011	96%	66%	72%
Fall 2012	97%	66%	69%
Fall 2013	97%	67%	69%
Fall 2014	96%	67%	69%

Proportion of Grades Received in Apprenticeship



SCC Course Success Rates by Subject, Fall 2014		
Subject Area	# grades rec'd	% A,B,C,P
SCC Total	27249	69%
Apprenticeship Total	2205	96%
Apprentice	31	100%
Apprentice Carpentry	1255	99%
Apprentice Cosmetology	35	9%
Apprentice Electrician	25	96%
Apprentice Insulator	27	100%
Apprentice Maintenance Mech	53	100%
Apprentice Millwright	151	99%
Apprentice Operating Engineer	343	87%
Apprentice Pile Driver	82	100%
Apprentice Plastering	10	100%
Apprentice Power Lineman	126	98%
Apprentice Surveying	67	93%
Non-Apprenticeship Total	25044	67%
Accounting	307	72%
American College English	82	66%
Anthropology	475	59%
Art	574	79%
Astronomy	531	62%
Biology	1434	64%
Business	591	74%
Chemistry	375	78%
Chicano Studies	78	47%
Communications	1089	76%
Computer Info Systems	68	43%
Computer Science	389	65%
Cosmetology	2	50%
Counseling	586	75%
Criminal Justice	207	59%
Dance	103	78%
Earth Science	204	56%
Economics	328	70%
Education	60	75%
English	2226	70%
Environmental Studies	16	75%
Ethnic Studies	78	87%
French	63	73%
Gemology	55	82%
Geography	161	45%
Geology	241	76%
History	1368	61%
Human Development	315	62%
Interdisciplinary Studies	95	63%
Italian	25	64%

SCC Course Success Rates by Subject, Fall 2014		
Subject Area	# grades rec'd	% A,B,C,P
Kinesiology	1156	75%
Library Studies	13	92%
Management	67	63%
Marketing	125	84%
Math	4199	54%
Music	715	75%
Nutrition	218	88%
Philosophy	913	66%
Physical Science	23	70%
Physics	215	76%
Political Science	924	71%
Psychology	1071	64%
Public Works	199	95%
Reading	209	81%
Real Estate	301	66%
Sign Language	299	69%
Sociology	617	58%
Spanish	296	66%
Special Services	76	74%
Surveying	86	88%
Theatre Arts	175	83%
TV/Video Comm	334	76%
Water Utilities	455	78%
Women's Studies	232	64%

Santiago Canyon College
Grade Distribution by Subject Area, Fall 2014

Subject Area	# Grades Rec'd	Successful				Non-Successful			Non-Completer		
		A	B	C	P	D	F	NP	I	IP	W
SCC Total	27249	26%	24%	17%	3%	6%	8%	1%			16%
Apprenticeship Total	2205	55%	24%	8%	10%	1%	1%			1%	1%
Apprentice	31	84%	10%	6%							
Apprentice Carpentry	1255	66%	27%	6%		1%					
Apprentice Cosmetology	35				9%					91%	
Apprentice Electrician	25	68%	24%	4%							4%
Apprentice Insulator	27	63%	26%	11%							
Apprentice Maintenance Mech	53	55%	42%	4%							
Apprentice Millwright	151	81%	14%	5%		1%					
Apprentice Operating Engineer	343	34%	31%	22%		6%	4%				3%
Apprentice Pile Driver	82				100%						
Apprentice Plastering	10		80%	20%							
Apprentice Power Lineman	126				98%						2%
Apprentice Surveying	67	67%	19%	1%	4%	1%					6%
Non-Apprenticeship Total	25044	23%	24%	17%	3%	6%	8%	1%	0%		17%
Accounting	307	22%	29%	20%	0%	2%	4%				22%
American College English	82	12%	22%	26%	6%	13%	4%	1%			16%
Anthropology	475	23%	22%	15%		5%	20%				16%
Art	574	42%	26%	10%	0%	4%	5%				12%
Astronomy	531	15%	26%	20%		15%	11%		0%		12%
Biology	1434	19%	25%	20%	0%	7%	8%				21%
Business	591	32%	28%	14%		5%	8%				13%
Chemistry	375	26%	27%	24%		4%	5%		0%		13%
Chicano Studies	78	33%	6%	8%		8%	13%				32%
Communications	1089	25%	32%	19%		5%	6%		0%		13%
Computer Info Systems	68	26%	6%	10%		9%	24%	1%			24%
Computer Science	389	30%	21%	14%		8%	9%				19%
Cosmetology	2	50%									50%
Counseling	586	45%	21%	9%		3%	9%				13%
Criminal Justice	207	12%	23%	25%		3%	12%				26%
Dance	103	25%	37%	16%		3%	4%		3%		13%
Earth Science	204	14%	16%	26%		12%	5%		0%		26%
Economics	328	16%	27%	27%		8%	5%				17%
Education	60	55%	17%	3%		3%	8%				13%

Santiago Canyon College
Grade Distribution by Subject Area, Fall 2014

Subject Area	# Grades Rec'd	Successful				Non-Successful			Non-Completer		
		A	B	C	P	D	F	NP	I	IP	W
English	2226	18%	31%	21%	0%	6%	10%	0%	0%		13%
Environmental Studies	16	6%	56%	13%		6%	6%				13%
Ethnic Studies	78	62%	24%	1%		3%					10%
French	63	49%	14%	10%							27%
Gemology	55	40%	31%	11%		5%	4%				9%
Geography	161	14%	14%	17%		15%	14%		1%		25%
Geology	241	20%	38%	19%		6%	2%				16%
History	1368	21%	23%	17%		8%	10%	0%	0%		21%
Human Development	315	28%	21%	13%		5%	14%		0%		20%
Interdisciplinary Studies	95	12%	27%	24%		8%	13%				16%
Italian	25	44%	16%	4%			4%				32%
Kinesiology	1156	43%	12%	6%	14%	2%	3%	7%	0%		12%
Library Studies	13	46%	31%	15%			8%				
Management	67	24%	30%	9%		6%	10%				21%
Marketing	125	46%	19%	18%		1%	1%				14%
Math	4199	10%	17%	19%	8%	8%	9%	4%	0%		24%
Music	715	43%	20%	10%	1%	4%	6%	0%	0%		15%
Nutrition	218	53%	25%	10%		4%	4%				4%
Philosophy	913	16%	29%	21%		4%	9%				21%
Physical Science	23	26%	35%	9%							30%
Physics	215	27%	31%	18%		5%	2%				17%
Political Science	924	20%	29%	22%	0%	6%	8%				14%
Psychology	1071	15%	26%	24%		10%	13%				13%
Public Works	199	22%	7%	5%	62%		2%				4%
Reading	209	23%	37%	21%		6%	6%				7%
Real Estate	301	40%	17%	10%		2%	12%				20%
Sign Language	299	24%	26%	19%		11%	10%				11%
Sociology	617	17%	23%	19%		8%	11%				22%
Spanish	296	21%	28%	17%		6%	5%				23%
Special Services	76				74%			11%			16%
Surveying	86	59%	20%	9%			1%				10%
Theatre Arts	175	56%	18%	10%		4%	6%				6%
TV/Video Comm	334	27%	31%	18%		6%	7%				11%
Water Utilities	455	36%	26%	15%	0%	4%	6%				12%
Women's Studies	232	11%	26%	27%		9%	12%				16%