

**Miramar College
TRIO Program
Annual Report**

2008-09

Prepared by:
Office of Institutional Research and Planning
October 2009

Highlight of the Findings

Student Headcount

- During the 2008-09 calendar year, 76% to 98% of the registered TRIO students at Miramar College were low income, and approximately 41% to 42% were first generation to college (41%-42%).
- During 2008-09, the majority of TRIO students who registered continued their enrollment past census day, with a range of 83% to 96% enrollment.

TRIO and Comparison Group Attrition and Persistence

- Term persistence from Fall 2007 to Spring 2008 was higher for TRIO students than for the comparison groups.
- TRIO students persisted continuously from Fall 2007 to Fall 2008 at a greater rate than the comparison groups.
- In both terms, TRIO students withdrew from their courses at lower rates than did the comparison groups.

TRIO and Comparison Group Outcomes

- TRIO students, on average, attempted more units and completed a higher percentage of the units attempted relative to the comparison groups in both Fall 2008 and Spring 2009.
- TRIO students successfully completed the greatest percentage of their classes in Fall 2008 and Spring 2009 relative to the comparison groups.
- TRIO students had higher cumulative GPAs than the comparison groups across Fall 2008 and Spring 2009 terms.

TRIO and Comparison Group Awards and Transfer

2008-09 TRIO Students

- Of the 160 TRIO students who were enrolled past census day in 2008-09, 18 students (11%) received an award or certificate. There were 25 awards conferred to students.
- Of the 160 TRIO students who were enrolled past census day in 2008-09, 11 students transferred in-state and no students transferred out-of-state (7% total transfer rate).

2004-05 Cohorts Longitudinally Tracked to 2007-08

- Twenty-eight percent of the 2004-05 TRIO cohort earned an award from 2004-05 to 2007-08, which was higher than the graduation rates of the comparison cohorts.
- The 2004-05 TRIO cohort earned a total of 83 awards from 2004-05 to 2007-08. A general trend showed that the number of awards earned by the 2004-05 cohort groups decreased across the four years being reported.
- Forty-five percent of the 2004-05 TRIO cohort transferred to a 4-year university from 2004-05 to 2007-08, which was higher than the transfer rates of the comparison cohorts.
- Seventeen percent of the 2004-05 TRIO cohort transferred to a 4-year university and received an award from 2004-05 to 2007-08, which was higher than the transfer and award rates of the comparison cohorts.

Introduction

Overview

This report details the outcomes of TRIO students at Miramar College during the 2008-09 calendar year. Where appropriate, TRIO-eligible students, first generation students, low income students, and the general college population¹ are included as points of comparison. The report contains information about students served, enrollment, attrition, outcomes performance, and degrees conferred to students in 2008-09. Additionally, persistence data are supplied for the Fall 2007 student cohorts, and awards and transfer data are supplied for the 2004-05 student cohorts.

Methodology

Each of the Miramar College student cohort groups was measured between the 2004-05 and 2008-09 calendar years, including fall, spring, and summer terms. Awards and transfers for each of the 2004-05 cohort groups were subsequently measured at the conclusion of 4 years (2004-05, 2005-06, 2006-07 and 2007-08). Student persistence data for each of the Fall 2007 student cohort groups were measured at the conclusion of the Spring 2008 and Fall 2008 terms. Only students enrolled past census day at Miramar College were measured. Student data were segmented by term and included duplication of students across terms.

Note that student counts may differ slightly from counts produced in the 2007-08 Miramar College TRIO Program Student Outcomes Performance Summary Report. In the previous report, college affiliation was determined first by TRIO database information and second by SDCCD Information System data based on the students' campus of record. College affiliation in this report was based on SDCCD Information System data only and was determined by the students' college of coursework.

The criterion for each student cohort group was as follows:

- The *TRIO student group* was composed of new or continuing students currently being served by the TRIO program at Miramar College during the terms being reported.
- The *TRIO-eligible student group* was composed of students that generally met the criteria for TRIO eligibility, but were not currently being served by TRIO, EOPS or DSPS support programs during the terms being reported. TRIO-eligible students must also have been first generation or low income (see low income group criterion), and have had academic need². Additional stipulations included that they had no prior degree or certificate above high school, were not concurrently enrolled in a K-12, and were U.S. citizens or legal residents.

¹ Note that annual general college population counts may not match SDCCD published reports. Most Research and Planning reports contain data based on the academic year; however, for TRIO reporting purposes, this report contains data reported by calendar year.

² To be qualified as *academic need*, the student had to fit into one of the following groups: have an undecided major, have a low cumulative GPA below 2.0, failed a class in the previous semester, graduated from high school five or more years ago, have low placements (math, writing, or reading), had a high school GPA 2.5 or lower, had an ESL placement level in college, or were not awarded a high school diploma (may have received a GED).

- The *first generation student group* contained students who self-reported on their SDCCD application that they were the first member of their family to attend college.
- The *low income student group* consisted of students who received financial aid, had a BOG waiver, or self-reported as low income during the terms being reported. Self-reported financial need was based on a proxy of household income based on household members and the low income standards set forth by the Federal TRIO Programs Annual Low Income Levels for the time period being reported.
- The *general college student* population included all credit students at Miramar College enrolled past census day during the terms being reported.

Operational Definitions

Annual Persistence Rates - The percentage of census enrolled students at Miramar College in a fall term who received a grade notation of A, B, C, D, F, P, NP, I or RD and who enrolled in at least one course at Miramar College in both the subsequent spring and fall terms and received a grade notation of A, B, C, D, F, P, NP, I or RD.

Attrition Rate - The percentage of students who withdraw from a course at Miramar College out of total census enrollments.

Census Headcount - The number of students, or unduplicated headcount, as of census day (excludes those students who dropped or never attended prior to census day).

Success Rate - The percentage of students who complete a course at Miramar College with a grade of A, B, C, or P out of total census enrollments. (Note: Tutoring and non-credit classes are excluded).

Term Persistence Rates - The percentage of census enrolled students at Miramar College in a fall term who received a grade notation of A, B, C, D, F, P, NP, I or RD and who enrolled in at least one course at Miramar College in the subsequent spring term and received a grade notation of A, B, C, D, F, P, NP, I or RD.

Findings

2008-09 Student Headcount

Students Served by TRIO Program (Prior to Census).

Table 1.1 shows the total number of students at Miramar College that were served by the TRIO program, and the number and percentage of TRIO students served that were first generation students, low income, or both first generation and low income.

Please note that students served may include students who registered but dropped from classes prior to census day. All subsequent student enrollment and student outcomes are done with students who continued their enrollment past census day. Also note that students may be duplicated across terms. That is, students who enrolled in both Fall 2008 and Spring 2009 are counted in both terms.

During the 2008-09 calendar year, 76% to 98% of the registered TRIO students at Miramar College were low income, and 41% to 42% were first generation to college. During the same time period being reported, between 31% and 40% of TRIO students were both first generation to college and low income.

Table 1.1. TRIO Students Served

	Fall 2008		Spring 2009		Summer 2009	
	Count	% of TRIO	Count	% of TRIO	Count	% of TRIO
TRIO Students Served	139	---	134	---	81	---
1st Generation TRIO Students	58	42%	55	41%	33	41%
Low Income TRIO Students	106	76%	117	87%	79	98%
1st Generation & Low Income	43	31%	48	36%	32	40%

Source: SDCCD Information System

TRIO Students Enrolled Past Census.

Table 1.2 shows the number of TRIO students who were enrolled past census day annually and by term, and the percentage of registered TRIO students who continued their enrollment past census day. During 2008-09, the majority of TRIO students who registered continued their enrollment past census day, with a range of 83% to 96% enrollment.

Table 1.2. Headcount of TRIO Students Enrolled Past Census

	Annual Undup Count	Fall 2008		Spring 2009		Summer 2009	
		Count	% that Enrolled	Count	% that Enrolled	Count	% that Enrolled
Enrolled TRIO Students	160	131	94%	128	96%	67	83%

Source: SDCCD Information System

Comparison Groups Enrolled Past Census.

Table 1.3.1 shows the number and percentage of TRIO-eligible students in the 2008-09 calendar year who were enrolled past census. Note that TRIO-eligible students did not receive TRIO services during the time period being reported (see Methodology Section for group inclusion criterion).

The Miramar College TRIO-eligible student population headcount ranged from 29% to 31% of the total credit population at Miramar College between Fall 2008 and Summer 2009. During the same time period being reported, the Miramar first generation to college student population headcount ranged from 21% to 22% of the credit population (see Table 1.3.2) and the low income student population headcount ranged from 35% to 45% of the credit population (see Table 1.3.3). Between 10% and 13% of the Miramar College credit population were both first generation to college and low income (see Table 1.3.4).

Table 1.3.1. Headcount TRIO-Eligible Students Enrolled Past Census

	Fall 2008		Spring 2009		Summer 2009	
	Count	%	Count	%	Count	%
TRIO-Eligible	3,473	29%	4,108	31%	2,028	30%
Not TRIO-Eligible	8,457	71%	8,988	69%	4,693	70%
Total	11,930	100%	13,096	100%	6,721	100%

Source: SDCCD Information System

Table 1.3.2. Headcount of First Generation to College Students Enrolled Past Census

	Fall 2008		Spring 2009		Summer 2009	
	Count	%	Count	%	Count	%
First Generation	2,610	22%	2,891	22%	1,405	21%
Not First Generation	9,277	78%	10,146	77%	5,269	78%
Unreported	43	0%	59	0%	47	1%
Total	11,930	100%	13,096	100%	6,721	100%

Source: SDCCD Information System

Table 1.3.3. Headcount of Low Income Students Enrolled Past Census

	Fall 2008		Spring 2009		Summer 2009	
	Count	%	Count	%	Count	%
Low Income	4,185	35%	5,165	39%	3,006	45%
Not Low Income	4,314	36%	4,287	33%	1,988	30%
Unreported	3,431	29%	3,644	28%	1,727	26%
Total	11,930	100%	13,096	100%	6,721	100%

Source: SDCCD Information System

Table 1.3.4. Headcount of First Generation to College and Low Income Students Enrolled

	Fall 2008		Spring 2009		Summer 2009	
	Count	%	Count	%	Count	%
1st Generation & Low Income	1,194	10%	1,489	11%	848	13%
Not 1st Generation & Low Income	7,305	61%	7,963	61%	4,146	62%
Unreported	3,431	29%	3,644	28%	1,727	26%
Total	11,930	100%	13,096	100%	6,721	100%

Source: SDCCD Information System

Fall 2007 Term-to-Term and Annual Persistence

Table 2 shows that TRIO students displayed an advantage in term-to-term persistence and annual persistence. Term persistence from Fall 2007 to Spring 2008 was higher for TRIO students (80%) than for comparison groups who persisted at relatively similar rates (low income students, 51%; TRIO-eligible, 49%; first generation students, 48%; general college population, 46%). Likewise, TRIO students (57%) persisted continuously from Fall 2007 to Fall 2008 at a greater rate than comparison groups. Low income students (26%), TRIO-eligible students (24%), the first generation students (23%), and the general college population (22%) annually persisted at relatively similar rates.

Table 2. Term-to-Term and Annual Persistence

	Term-to-Term	Annual
	Fall 07 to Spring 08	Fall 07 to Spring 08 to Fall 08
TRIO	80%	57%
TRIO-Eligible	49%	24%
First Generation	48%	23%
Low Income	51%	26%
General College Population	46%	22%

Source: SDCCD Information System

Fall 2008 and Spring 2009 Attrition

Table 3 illustrates the percentage of TRIO students and the comparison groups who withdrew (attrition) from a course during Fall 2008 and Spring 2009. In both terms, TRIO students withdrew from their courses (8% in fall; 9% in spring) at lower rates than did the general college population (15% in each term), first generation students (16% in fall; 15% in spring), low income students (17% in fall; 16% in spring), and TRIO-eligible students (19% in fall; 18% in spring). The comparison groups withdrew at relatively similar rates.

Table 3. Attrition

	TRIO	TRIO-Eligible	First Generation	Low Income	General College Population
Fall 2008	8%	19%	16%	17%	15%
Spring 2009	9%	18%	15%	16%	15%

Source: SDCCD Information System

Fall 2008 and Spring 2009 Student Outcomes

Units Attempted and Completed.

The number of units attempted is higher for TRIO students than for those in the comparison groups. Table 4.1.1 shows that TRIO students, on average, attempted almost 3 more units than did the comparison groups for both Fall 2008 and Spring 2009. The comparison groups attempted a relatively similar number of units.

Table 4.1.1. Average Units Attempted

	TRIO	TRIO-Eligible	First Generation	Low Income	General College Population
Fall 2008	11.62	8.66	8.65	8.95	8.79
Spring 2009	11.25	8.63	8.45	8.90	8.42

Source: SDCCD Information System

Table 4.1.2 shows the number of units that students completed. The percentage of the units attempted is displayed in Table 4.1.3. This table reveals that TRIO students completed a higher percentage of the units they attempted (81% in each term) relative to the comparison groups in Fall 2008 and Spring 2009, while TRIO-eligible students completed the least percentage of units they attempted (70% in fall; 69% in spring). Low income students (73% in each term), first generation students (74% in each term), and the general college population (76% in fall; 75% in spring) completed a relatively similar percentage of the units they attempted during the same time period being reported.

Table 4.1.2. Average Units Completed

	TRIO	TRIO-Eligible	First Generation	Low Income	General College Population
Fall 2008	9.33	6.17	6.52	6.68	6.69
Spring 2009	8.99	6.08	6.39	6.68	6.41

Source: SDCCD Information System

Table 4.1.3. Percent of Attempted Units Completed

	TRIO	TRIO-Eligible	First Generation	Low Income	General College Population
Fall 2008	81%	70%	74%	73%	76%
Spring 2009	81%	69%	74%	73%	75%

Source: SDCCD Information System

Successful Course Completion.

TRIO students successfully completed the greatest percentage of their Fall 2008 (77%) and Spring 2009 (78%) classes, followed by the general college population (69% in fall; 70% in spring), low income students (68% in each term), and first generation students (67% in fall; 68% in spring; see Table 4.2). TRIO-eligible students successfully completed the least percentage of their classes across both terms (63% in each term).

Table 4.2. Successful Course Completion Rates

	TRIO	TRIO-Eligible	First Generation	Low Income	General College Population
Fall 2008	77%	63%	67%	68%	69%
Spring 2009	78%	63%	68%	68%	70%

Source: SDCCD Information System

GPA.

The mean cumulative GPAs of the target groups were measured among all SDCCD courses taken and are displayed in Table 4.3.1. The cumulative GPA of TRIO students (2.89) was slightly higher than the cumulative GPA of the general college population (2.86) and the first generation student group (2.81) in Fall 2008, and higher than the low income student group (2.73) and the TRIO-eligible group (2.61). In Spring 2009, the TRIO student group had a comparable mean cumulative GPA (2.93) relative to the general college population (2.92), and higher than the first generation student group (2.85), the low income student group (2.74), and the TRIO-eligible student group (2.62). In both terms, TRIO-eligible students had the lowest mean cumulative GPAs compared to the other groups.

Table 4.3.1. Average Cumulative GPA at SDCCD

	TRIO	TRIO-Eligible	First Generation	Low Income	General College Population
Fall 2008	2.89	2.61	2.81	2.73	2.86
Spring 2009	2.93	2.62	2.85	2.74	2.92

Source: SDCCD Information System

Note 1. Cumulative GPAs are based on all SDCCD courses taken and are not exclusive to Miramar College courses.

The mean GPAs of the target groups were measured among courses taken at Miramar College in the Fall 2008 and Spring 2009 terms and are displayed in Table 4.3.2. Across both terms, the general college population had the highest mean term GPAs (2.83 in fall; 2.91 in spring), followed closely by TRIO students (2.78 in fall; 2.88 in spring), and TRIO-eligible students had the lowest mean term GPAs (2.51 in fall; 2.54 in spring).

Table 4.3.2. Average Term GPA at Miramar College

	TRIO	TRIO-Eligible	First Generation	Low Income	General College Population
Fall 2008	2.78	2.51	2.74	2.64	2.83
Spring 2009	2.88	2.54	2.81	2.66	2.91

Source: SDCCD Information System

Note 1. Term GPAs are based on courses taken at Miramar College.

Awards Conferred

Awards Conferred to 2008-09 TRIO Students.

Table 5.1 shows the number of 2008-09 TRIO students who were awarded a degree or certificate during the 2008-09 calendar year. Because some students earned more than one degree or certificate, the table also shows the number of degrees or certificates awarded to TRIO students. Of the 160 TRIO students who were enrolled past census day in 2008-09 (see Table 1.2), 18 students (11%) received an award or certificate (see Table 5.1). There were 25 awards conferred to students.

Table 5.1. Degrees and Certificates Earned by the 2008-09 TRIO Cohort

Award Recipients	Awards Conferred
18	25

Source: SDCCD Information System

Graduation Rates of 2004-05 Student Groups.

Table 5.2 displays the number of Miramar College students who were enrolled as of census day in each of the 2004-05 cohort groups and tracks the number and percentage of the cohort who received an award from SDCCD across four years (2004-05 to 2007-08). The count of students represent those Miramar College students who graduated (received a degree or certificate). Graduation counts are unduplicated counts of students who received an award within a given calendar year (i.e., a student was counted once, regardless of the number of awards received in that year). Graduation counts across 4 years are provided in a total count of each year (Students in the cohort were duplicated across individual years if they received additional awards in subsequent years) and an unduplicated 4-year count.

Results indicate that out of a total of 200 students in the 2004-05 TRIO cohort, a total of 55 TRIO students (unduplicated) earned an award from 2004-05 to 2007-08. This yielded a 28% 4-year graduation rate for the 2004-05 TRIO student cohort, which was higher than the graduation rates of the low income student cohort (12%), the TRIO-eligible cohort (10%), the general college student population (9%), and the first generation student cohort (8%).

Table 5.2. Miramar College 2004-05 Student Cohort Who Received an Award from SDCCD Across 4 Years

Cohort Groups	2004-05 Cohort Count	2004-05		2005-06		2006-07		2007-08		4-Years		
		Count	% of Cohort	Count	% of Cohort	Count	% of Cohort	Count	% of Cohort	Total Student Count	Undup Student Count	% of Cohort
TRIO	200	29	15%	20	10%	7	4%	3	2%	59	55	28%
TRIO-Eligible	5,725	216	4%	189	3%	132	2%	92	2%	629	581	10%
First Generation	4,113	124	3%	106	3%	94	2%	45	1%	369	346	8%
Low Income	7,138	316	4%	284	4%	196	3%	128	2%	924	854	12%
General College Pop	20,764	617	3%	614	3%	413	2%	270	1%	1,914	1,775	9%

Source: SDCCD Information System

Note 1. Miramar College 2004-05 student cohorts may have obtained a certificate/degree from any college in SDCCD.

Awards Conferred to 2004-05 Student Groups.

Table 5.3 provides a count of the degrees/certificates earned by students. Note that some students obtained more than one award in a given calendar year. Thus, the number of students who received an award (see Table 5.2) and the number of awards earned (see Table 5.3) were not the same.

The 2004-05 TRIO cohort earned a total of 83 awards from 2004-05 to 2007-08. A general trend showed that the number of awards earned by each of the 2004-05 cohort groups decreased across the four years being reported. In particular, the TRIO cohort decreased the most (-76%), followed by the first generation student cohort (-67%), the low income student cohort (-60%), the TRIO-eligible cohort (-59%), and the general college student population (-55%) from 2004-05 to 2007-08.

Table 5.3 Awards Conferred to Miramar College 2004-05 Cohort Across 4 Years

Cohort Groups	2004-05 Awards Count	2005-06 Awards Count	2006-07 Awards Count	2007-08 Awards Count	4-Year Total Awards Count	% Change 2004-05 to 2007-08
TRIO	38	28	8	9	83	-76%
TRIO-Eligible	309	281	200	128	918	-59%
First Generation	178	168	142	58	546	-67%
Low Income	448	414	289	177	1,328	-60%
General College Population	844	883	605	381	2,713	-55%

Source: SDCCD Information System

Note 1. Miramar College 2004-05 student cohorts may have obtained a certificate/degree from any college in SDCCD.

Transfer to a 4-Year University

Number of 2008-09 TRIO Students who Transferred to a 4-Year University.

Table 6.1 shows the number of 2008-09 TRIO students who transferred to an in-state or out-of-state 4-year university in the 2008-09 calendar year. Of the 160 TRIO students who were enrolled past census day in 2008-09 (see Table 1.2), 11 students transferred in-state and no students transferred out-of-state (see Table 6.1), yielding a 7% transfer rate.

Table 6.1. Transfers to a 4-Year University by the 2008-09 TRIO Cohort

In-State Transfers	Out-of-State Transfers
11	0

Source: SDCCD Information System and National Student Clearinghouse

Transfer Rates of 2004-05 Student Groups Across 4 Years.

Table 6.2 displays the count and percentage of the 2004-05 student cohort groups tracked across 4 years (2004-05 to 2007-08) who transferred to a 4-year university. Yearly transfer counts and the 4-year total were unduplicated counts of students.

Out of 200 students in the 2004-05 TRIO cohort, a total of 90 TRIO students transferred to a 4-year university from 2004-05 to 2007-08. This yielded a 45%, 4-year transfer rate for the 2004-05 TRIO cohort. TRIO transfer rates were higher than the transfer rates of the general college student population (36%), the low income student cohort (26%), the TRIO-eligible cohort (20%), and the first generation student cohort (18%).

Table 6.2. Miramar College 2004-05 Student Cohort Who Transferred to a 4-Year University Across 4 Years

Cohort Groups	2004-05 Cohort Count	2004-05		2005-06		2006-07		2007-08		4-Year Total Count	Total % of Cohort
		Count	% of Cohort	Count	% of Cohort	Count	% of Cohort	Count	% of Cohort		
TRIO	200	18	9%	25	13%	28	14%	19	10%	90	45%
TRIO-Eligible	5,725	204	4%	399	7%	311	5%	259	5%	1,173	20%
First Generation	4,113	166	4%	236	6%	194	5%	155	4%	751	18%
Low Income	7,138	374	5%	672	9%	484	7%	344	5%	1,874	26%
General College Pop	20,764	890	4%	1,447	7%	1,056	5%	4,171	20%	7,564	36%

Source: SDCCD Information System and National Student Clearinghouse

2004-05 Students Who Transferred and Received an Award

Table 7 displays the 2004-05 cohort counts, and the total count and percentage of the 2004-05 student cohort groups tracked across 4 years (2004-05 to 2007-08) who transferred to a 4-year university and received an award.

Out of 200 students in the 2004-05 TRIO cohort, a total of 34 TRIO students transferred to a 4-year university and received an award from 2004-05 to 2007-08. This yielded a 17% 4-year transfer and award rate for the 2004-05 TRIO cohort. This was higher than the transfer and award rates of the comparison groups. The low income student cohort (5%), the TRIO-eligible cohort (3%), the general college student population (3%), and the first generation student cohort (3%) had relatively similar transfer and award rates.

Table 7. Miramar College 2004-05 Student Cohort Who Transferred and Received an Award Across 4 Years

Cohort Groups	2004-05 Cohort Count	4-Year (04/05-07/08) Total Count	4-Year (04/05-07/08) % of Cohort
TRIO	200	34	17%
TRIO-Eligible	5,725	197	3%
First Generation	4,113	117	3%
Low Income	7,138	349	5%
General College Population	20,764	650	3%

Source: SDCCD Information System and National Student Clearinghouse