

De Anza College Office of Institutional Research and Planning

To: Senior Staff

From: Mallory Newell and Ola Sabawi

Date: 8/21/2017

Subject: Which Students Complete the Matriculation Steps?

This analysis explores the matriculation patterns of students who were enrolled at De Anza in fall 2016. This resulted in 21,886 students included in the analysis.

The analysis is intended to provide a picture of the rate in which various student groups complete the matriculation steps (completed orientation, took a placement test, applied for financial aid, selected a major, completed an education plan, and selected an educational goal). These findings could be used to identify groups that are least likely to complete the matriculation steps and target services towards them. The matriculation steps are needed to receive priority enrollment and have been found to increase a student's likelihood of meeting their educational goal.

It should be noted there are a variety of questions included on the CCCApply application which ask students if they are interested in the college providing more information on a variety of services ranging from financial aid to tutoring. These questions were included in the analysis as data points for completion of the matriculation steps, however, it is the understanding of the IR office that at this time, the college does not follow up with students who mark these questions on their application.

Important Highlights Include:

- Overall, the highest completed matriculation step was applying for financial aid followed by completing an education plan. The least completed matriculation step was attending orientation.
- White students were the lowest group to complete all matriculation steps. Filipino and Latino/a students had a high rate of completing all matriculation steps, though Latino/a students had a very high rate of applying for financial aid. Asian students also completed all matriculation steps except for financial aid, where they had a very low rate of completion. African American and Pacific Islander students had a high rate of selecting a major, applying for financial aid, selecting an educational goal and completing an education plan, but a low rate of attending orientation and taking a placement test.
- Students in the DSPS program had the lowest rate of completing all matriculation steps out of all students enrolled in special programs while students in EOPS had the highest rate of completing all steps.

Important Highlights Continued:

Most and Least Likely to Complete All Matriculation Steps

- Students most likely to complete all matriculation steps included those who took a basic skills course at any time, EOPS students, student with an educational goal of “Transfer” and full-time students.
- Students who applied for fall 2016 and registered for fall 2016 had a negative association with completing all matriculation steps (as they had only been enrolled for one term), as well as students with an educational goal of “Other”, students who identify as White, students with an unknown California residency status, and students in the DSPS program.

Attended Orientation

- Overall, attending orientation is the least completed matriculation step of those included in this analysis.
- International students were the most likely to attend orientation while students with an educational goal of “Other” were least likely.
- Other low completers included students who declared a goal of “Certificate”, DSPS and CalWorks students, and White students.

Took a Placement Test

- Students with a goal of “Transfer” and those who had taken a basic skills course at any time had the highest rate of taking a placement test.
- The lowest rates of completing a placement test were for students with an educational goal of “Other” or “Certificate”, DSPS students, and White students.

Applied for Financial Aid

- Overall, applying for financial aid is the most commonly completed matriculation step. Students in EOPS and CalWorks were most likely to apply for financial aid followed by low income and first generation students.
- Students least likely to apply for financial aid were students with an educational goal of “Other” or “Certificate” and students in the DSPS program.

Selected a Major

- Students with the highest rate of selecting a major included students with a goal of “Transfer”, and full-time students.
- Students least likely to select a major included those with an educational goal of “Other”, DSPS students, White students, and students with an unknown ethnicity.

Completed an Education Plan

- Students with high levels of completing an education plan included those with a goal of “Transfer”, EOPS and CalWorks students, and full-time students.

- Students least likely to select a major included those with an educational goal of “Other”, “Certificate” or ‘Degree’, and DSPS students.

Selected an Educational Goal of Degree, Certificate or Transfer

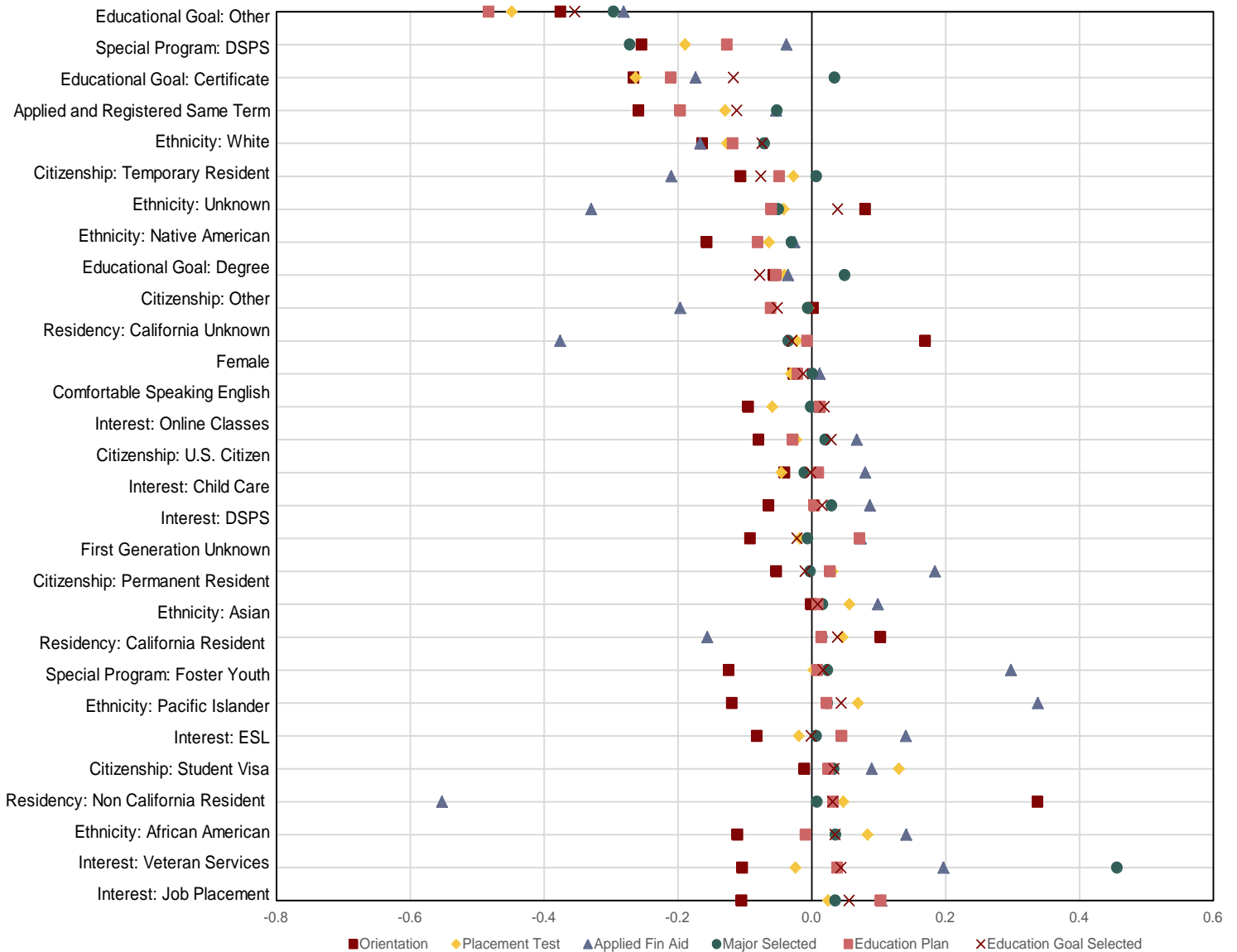
- Students with high levels of selecting an educational goal included full-time students, students who took a basic skills course and students in the CalWorks and EOPS programs.
- Students least likely to select an educational goal included DSPS and White students.

Figure 1. Characteristics of Students and Completion of Matriculation Steps
High Levels of Completion (%)



Note: Graphs based on the median levels of completion. Includes highest 28 median values.

Characteristics of Students and Completion of Matriculation Steps Low Levels of Completion (%)



Note: Graphs based on the median levels of completion. Includes lowest 29 median values.

Analysis:

Figures 1 and 2 above show the percentage point differences for a variety of student characteristics for students with either a high or low rate of completing the matriculation steps included in this analysis.

Attended Orientation

- International students were the most likely to attend orientation (+46%) while students with an educational goal of “Other” (-38%) were least likely.

- The next top five groups to attend orientation are students who enrolled in a basic skills course at any time (+30%), students who declared a goal of “Transfer” (+30%), students enrolled in the EOPS program (+27%), and students enrolled full-time in fall 2016 (+26%).
- Students who were least likely to attend orientation included: students who declared a goal of “Certificate” (-27%), students enrolled in DSPS (-25%) or CalWorks (-22%), and students who identify as White (-16%) or African American (-10%).

Took a Placement Test

- Students with a goal of “Transfer” (+34%) and those who had taken a basic skills course (+22%) had the highest rate of taking a placement test followed by students in the EOPS program (+18%), and students with a refugee or asylum status (+15%).
- The lowest rates of completing a placement test were for students with an educational goal of “Other” (-45%) or “Certificate” (-26%), students in the DSPS program (-19%), and White students (-13%).

Applied for Financial Aid

- Students in the EOPS (+47%) and CalWorks programs (+46%) were the most likely to apply for financial aid followed by low income students (37%), and first generation students (+30%). Latino/a students (+25%) and African American students (+20%) were most likely to apply for financial aid of all ethnic groups.
- Students least likely to apply for financial aid (after non-resident students unable to apply) were students with an educational goal of “Other” (-28%) or “Certificate” (-17%), and students in the DSPS program (-4%). Asian (-16%) and White (-17%) students were least likely to apply for financial aid of all ethnic groups.

Selected a Major

- Students with the highest rate of selecting a major included students with a goal of “Transfer” (+16%), full-time students (+9%), and students who indicated on their application they are interested in financial aid (+7%).
- Students least likely to select a major included those with an educational goal of “Other” (-30%), students in the DSPS program (-27%), White students (-7%), and students with an unknown ethnicity (-5%).

Completed an Education Plan

- Students with high levels of completing an education plan included students with a goal of “Transfer” (+36%), students EOPS (+33%) and CalWorks students (+26%), full-time students (+30%), and students who took a basic skills course at any time (+28%).
- Students least likely to select a major included those with an educational goal of “Other” (-48%), “Certificate” (-21%), or “Degree” (-5%), students in the DSPS program (-13%), followed by White (-12%) students and students whose ethnicity is

Unknown (-6%). Students with a temporary residency or an unknown citizenship status also had low rates of completing an education plan.

Selected an Educational Goal of Degree, Certificate or Transfer

- Students with high levels of selecting an educational goal included full-time students (+22%), students who took a basic skills course at any time (+17%), and students in the CalWorks (+14%) or EOPS (+14%) programs, and international students (+14%).
- Students least likely to select an educational goal included DSPS students (-35%), White students (-11%), students with an unknown ethnicity (-8%), and non-citizens (-7%).

Tables.

Table 1. Percentage Point Differences in Completion of Matriculation Steps by Student Characteristics

	Attended Orientation	Placement Test	Applied Financial Aid	Major Selected	Education Plan	Education Goal Selected
Applied and Registered Same Term	-26%	-13%	-5%	-5%	-20%	-12%
Citizenship: Permanent Resident	0%	6%	10%	2%	1%	-1%
Citizenship: Refugee/Asylee	0%	15%	23%	4%	5%	3%
Citizenship: Student Visa	34%	5%	-55%	1%	3%	3%
Citizenship: Temporary Resident	-11%	-3%	-21%	1%	-5%	-7%
Citizenship: U.S. Citizen	-4%	-5%	8%	-1%	1%	3%
Citizenship: Other	0%	-1%	-20%	-1%	-6%	-8%
Comfortable Speaking English	-10%	-6%	1%	0%	1%	-1%
Educational Goal: Certificate	-27%	-26%	-17%	3%	-21%	N/A
Educational Goal: Degree	-6%	-4%	-4%	5%	-5%	N/A
Educational Goal: Other	-38%	-45%	-28%	-30%	-48%	N/A
Educational Goal: Transfer	30%	34%	22%	16%	36%	N/A
Ethnicity: African American	-10%	-2%	20%	2%	4%	3%
Ethnicity: Asian	10%	5%	-16%	1%	1%	1%
Ethnicity: Filipino	3%	5%	15%	4%	3%	5%
Ethnicity: Latino/a	2%	5%	25%	3%	6%	6%
Ethnicity: Native American	-16%	-6%	-3%	-3%	-8%	4%
Ethnicity: Pacific Islander	-8%	-2%	14%	1%	4%	4%
Ethnicity: Unknown	8%	-4%	-33%	-5%	-6%	-8%
Ethnicity: White	-16%	-13%	-17%	-7%	-12%	-11%
Female	-3%	-3%	1%	0%	-2%	-3%
First Generation	-1%	5%	30%	3%	6%	5%
First Generation Unknown	-5%	3%	18%	0%	3%	-2%
Full-Time Student	26%	10%	8%	9%	30%	22%
Interest: Assessment Testing	6%	11%	16%	4%	11%	9%
Interest: Athletics	3%	7%	9%	2%	11%	6%
Interest: Basic Skills	3%	10%	12%	3%	9%	6%
Interest: CalWorks	0%	6%	27%	3%	5%	7%

Table 1 Continued. Percentage Point Differences in Completion of Matriculation Steps by Student Characteristics

	Attended Orientation	Placement Test	Applied Financial Aid	Major Selected	Education Plan	Education Goal Selected
Interest: Career Planning	1%	7%	14%	4%	7%	7%
Interest: Child Care	-6%	0%	9%	3%	0%	0%
Interest: Counseling	0%	5%	13%	4%	7%	8%
Interest: DSPS	-9%	-2%	7%	-1%	7%	2%
Interest: EOPS	3%	7%	31%	5%	10%	8%
Interest: ESL	-1%	13%	9%	3%	2%	0%
Interest: Financial Aid	4%	12%	40%	7%	15%	13%
Interest: Health Services	1%	6%	19%	3%	5%	5%
Interest: Housing	0%	7%	22%	4%	7%	8%
Interest: Job Placement	1%	5%	17%	4%	4%	6%
Interest: Online Classes	-8%	-2%	7%	2%	-3%	2%
Interest: Psych Counseling	1%	7%	15%	4%	7%	6%
Interest: Scholarships	2%	8%	21%	4%	9%	8%
Interest: Student Government	8%	10%	22%	4%	8%	9%
Interest: Transfer	7%	11%	18%	5%	12%	13%
Interest: Tutoring	4%	9%	17%	4%	10%	9%
Interest: Veteran Services	-11%	2%	10%	3%	10%	4%
International Student	46%	15%	-58%	6%	16%	14%
Low Income	-6%	3%	37%	4%	5%	5%
Receiving Assistance (TANF, SSI)	-3%	4%	27%	3%	6%	6%
Residency: California Unknown	17%	-2%	-38%	-4%	-1%	-5%
Residency: California Resident	-12%	0%	30%	2%	1%	4%
Residency: Non California Resident	-11%	8%	14%	4%	-1%	3%
Special Program: CalWorks	-22%	8%	46%	6%	26%	14%
Special Program: DSPS	-25%	-19%	-4%	-27%	-13%	-35%
Special Program: EOPS	27%	18%	47%	6%	33%	14%
Special Program: Foster Youth	-12%	7%	34%	2%	2%	2%
Special Program: Veterans	-13%	5%	7%	2%	19%	6%
Took Basic-Skills Courses	30%	22%	24%	7%	28%	17%

Note: Percentage point differences are calculated by looking within groups and subtracting students who completed the matriculation step from students not within the same group who have completed the step. For example, African American students who completed orientation minus all other ethnic groups (excluding African Americans) who completed orientation.

Table 2. Completion of Matriculation Steps by Student Characteristics

Completion of Each Matriculation Step:		Attended Orientation	Placement Test	Applied Fin Aid	Major Selected	Education Plan	Education Goal Selected
Applied and Registered Same Term	In Group	28%	73%	51%	90%	55%	78%
	Not in Group	54%	86%	56%	96%	74%	90%
Citizenship: U.S. Citizen	In Group	41%	81%	61%	94%	68%	87%
	Not in Group	45%	85%	53%	95%	67%	84%
Citizenship: Permanent Resident	In Group	42%	87%	67%	96%	68%	86%
	Not in Group	42%	81%	57%	94%	67%	87%
Citizenship: Temporary Resident	In Group	32%	79%	38%	95%	63%	79%
	Not in Group	42%	82%	59%	95%	67%	87%
Citizenship: Refugee/Asylee	In Group	42%	97%	81%	98%	73%	89%
	Not in Group	42%	82%	59%	95%	67%	86%
Citizenship: Student Visa	In Group	75%	86%	5%	95%	70%	90%
	Not in Group	41%	82%	60%	95%	67%	86%
Citizenship: Other	In Group	42%	81%	40%	94%	62%	79%
	Not in Group	42%	82%	60%	95%	68%	87%
Comfortable Speaking English	In Group	40%	80%	57%	94%	66%	86%
	Not in Group	49%	86%	56%	94%	65%	87%
Educational Goal: Degree	In Group	40%	78%	51%	98%	62%	N/A
	Not in Group	45%	82%	54%	94%	67%	N/A
Educational Goal: Certificate	In Group	19%	56%	37%	97%	46%	N/A
	Not in Group	46%	82%	55%	94%	67%	N/A
Educational Goal: Transfer	In Group	53%	90%	60%	98%	76%	N/A
	Not in Group	23%	56%	38%	82%	40%	N/A
Educational Goal: Other	In Group	13%	43%	30%	68%	25%	N/A
	Not in Group	50%	88%	58%	98%	73%	N/A
Ethnicity: African American	In Group	35%	79%	73%	95%	70%	89%
	Not in Group	45%	81%	53%	94%	66%	86%
Ethnicity: Asian	In Group	51%	84%	45%	95%	68%	87%
	Not in Group	41%	80%	60%	93%	66%	86%
Ethnicity: Filipino	In Group	48%	86%	68%	97%	70%	91%
	Not in Group	45%	81%	53%	94%	66%	86%
Ethnicity: Latino/a	In Group	46%	85%	72%	96%	71%	90%
	Not in Group	44%	80%	47%	93%	65%	84%
Ethnicity: Native American	In Group	29%	75%	52%	91%	59%	90%
	Not in Group	45%	81%	54%	94%	67%	86%
Ethnicity: Pacific Islander	In Group	37%	79%	68%	95%	71%	90%
	Not in Group	45%	81%	54%	94%	67%	86%
Ethnicity: White	In Group	32%	71%	41%	88%	57%	77%
	Not in Group	48%	84%	57%	95%	69%	88%
Ethnicity: Unknown	In Group	53%	77%	22%	89%	61%	79%
	Not in Group	45%	82%	55%	94%	67%	86%

Table 2 Continued. Completion of Matriculation Steps by Student Characteristics

Completion of Each Matriculation Step:		Attended Orientation	Placement Test	Applied Fin Aid	Major Selected	Education Plan	Education Goal Selected
Female	In Group	44%	80%	59%	95%	67%	85%
	Not in Group	46%	83%	58%	95%	69%	88%
First Generation	In Group	44%	85%	75%	96%	71%	89%
	Not in Group	45%	80%	46%	93%	65%	85%
First Generation Unknown	In Group	40%	85%	72%	94%	69%	84%
	Not in Group	45%	82%	53%	94%	67%	86%
Full-Time Student	In Group	58%	91%	58%	99%	82%	97%
	Not in Group	32%	82%	50%	89%	52%	75%
Interest: Athletics	In Group	47%	88%	62%	96%	76%	91%
	Not in Group	44%	80%	53%	93%	65%	85%
Interest: Financial Aid	In Group	46%	86%	69%	97%	72%	91%
	Not in Group	42%	74%	29%	89%	57%	78%
Interest: Counseling	In Group	45%	85%	63%	97%	71%	91%
	Not in Group	44%	80%	50%	92%	64%	83%
Interest: Basic Skills	In Group	47%	90%	65%	96%	75%	91%
	Not in Group	45%	80%	53%	93%	66%	85%
Interest: CalWorks	In Group	45%	88%	80%	97%	73%	92%
	Not in Group	45%	81%	53%	94%	67%	86%
Interest: Career Planning	In Group	46%	87%	65%	97%	72%	91%
	Not in Group	44%	80%	51%	93%	65%	84%
Interest: Child Care	In Group	39%	82%	63%	97%	68%	86%
	Not in Group	45%	82%	54%	94%	67%	86%
Interest: Psych Counseling	In Group	46%	87%	68%	97%	73%	92%
	Not in Group	45%	81%	53%	93%	66%	85%
Interest: DSPS	In Group	36%	80%	61%	93%	74%	88%
	Not in Group	45%	82%	54%	94%	67%	86%
Interest: EOPS	In Group	48%	88%	83%	98%	76%	93%
	Not in Group	45%	81%	52%	93%	67%	85%
Interest: ESL	In Group	44%	94%	63%	97%	70%	86%
	Not in Group	45%	81%	54%	94%	67%	86%
Interest: Health Services	In Group	45%	87%	71%	97%	72%	91%
	Not in Group	45%	81%	53%	94%	67%	85%
Interest: Housing	In Group	45%	88%	75%	98%	74%	93%
	Not in Group	45%	81%	53%	94%	67%	86%
Interest: Job Placement	In Group	45%	86%	70%	97%	70%	91%

Table 2 Continued. Completion of Matriculation Steps by Student Characteristics

Completion of Each Matriculation Step:		Attended Orientation	Placement Test	Applied Fin Aid	Major Selected	Education Plan	Education Goal Selected
Interest: Online Classes	In Group	39%	80%	60%	96%	65%	88%
	Not in Group	47%	83%	54%	94%	68%	86%
Interest: Scholarships	In Group	47%	88%	71%	97%	73%	92%
	Not in Group	44%	80%	50%	93%	64%	84%
Interest: Student Government	In Group	52%	90%	75%	97%	75%	94%
	Not in Group	44%	81%	53%	94%	66%	85%
Interest: Placement Testing	In Group	50%	91%	67%	97%	76%	93%
	Not in Group	44%	80%	52%	93%	65%	84%
Interest: Transfer	In Group	49%	89%	67%	97%	74%	94%
	Not in Group	42%	78%	48%	92%	62%	81%
Interest: Tutoring	In Group	48%	89%	68%	97%	75%	93%
	Not in Group	44%	80%	51%	93%	65%	84%
Interest: Veteran Services	In Group	35%	84%	65%	97%	78%	90%
	Not in Group	45%	81%	54%	94%	67%	86%
International Student	In Group	87%	96%	1%	99%	81%	99%
	Not in Group	41%	81%	59%	93%	65%	85%
Low Income	In Group	41%	84%	81%	97%	70%	90%
	Not in Group	46%	81%	44%	93%	65%	85%
Receiving Assistance (TANF, SSI)	In Group	42%	86%	80%	97%	74%	92%
	Not in Group	45%	81%	53%	94%	67%	86%
Residency: California Resident	In Group	42%	82%	61%	94%	68%	87%
	Not in Group	54%	81%	31%	92%	67%	83%
Residency: Non California Resident	In Group	34%	90%	68%	97%	66%	89%
	Not in Group	45%	81%	54%	94%	67%	86%
Residency: California Unknown	In Group	58%	80%	23%	91%	67%	82%
	Not in Group	42%	82%	61%	95%	67%	87%
Special Program: EOPS	In Group	71%	99%	99%	100%	98%	100%
	Not in Group	44%	81%	53%	94%	66%	86%
Special Program: DSPS	In Group	21%	63%	50%	68%	55%	52%
	Not in Group	46%	82%	54%	95%	67%	88%
Special Program: CalWorks	In Group	23%	89%	100%	100%	93%	100%
	Not in Group	45%	81%	54%	94%	67%	86%
Special Program: Foster Youth	In Group	33%	88%	88%	96%	69%	88%
	Not in Group	45%	81%	54%	94%	67%	86%
Special Program: Veterans	In Group	32%	86%	61%	96%	85%	92%
	Not in Group	45%	81%	54%	94%	66%	86%
Took Basic Skills Courses	In Group	58%	97%	65%	97%	79%	93%
	Not in Group	28%	75%	40%	90%	51%	77%

Note: Table 2 includes students who completed each matriculation step compared to their counterpart not in the same group who also completed the same matriculation step. For example, Special Program: Foster Youth, the 'In Group' row includes all foster youth students who completed orientation while the 'Not in Group' row includes all other students not enrolled in the Foster Youth program who also completed orientation.

Table 3. Count and Percent of Students

Totals	N	%
Applied and Registered Same Term	7,385	34%
Citizenship: Permanent Resident	2,541	12%
Citizenship: Refugee/Asylee	165	1%
Citizenship: Student Visa	516	2%
Citizenship: Temporary Resident	211	1%
Citizenship: U.S. Citizen	15,610	71%
Citizenship: Unknown/Other	3,263	15%
Comfortable Speaking English	16,795	77%
Educational Goal: Certificate	615	3%
Educational Goal: Degree	1,891	9%
Educational Goal: Other	3,052	14%
Educational Goal: Transfer	16,328	75%
Ethnicity: African American	933	4%
Ethnicity: Asian	8,434	39%
Ethnicity: Filipino	1,588	7%
Ethnicity: Latino/a	5,997	27%
Ethnicity: Native American	99	0%
Ethnicity: Pacific Islander	167	1%
Ethnicity: Unknown	364	2%
Ethnicity: White	4,304	20%
Female	10,849	50%
First Generation	6,253	29%
First Generation Unknown	934	4%
Full-Time Student	10,936	50%
Interest: Assessment Testing	6,993	35%
Interest: Athletics	5,585	28%
Interest: Basic Skills	6,072	31%
Interest: CalWorks	2,061	10%
Interest: Career Planning	10,031	51%

Totals	N	%
Interest: Child Care	1,689	9%
Interest: Counseling	12,118	61%
Interest: DSPS	948	5%
Interest: EOPS	3,254	16%
Interest: ESL	1,977	10%
Interest: Financial Aid	15,947	80%
Interest: Health Services	4,566	23%
Interest: Housing	2,994	15%
Interest: Job Placement	5,676	29%
Interest: Online Classes	8,416	42%
Interest: Psych Counseling	5,172	26%
Interest: Scholarships	9,574	48%
Interest: Student Government	4,242	21%
Interest: Transfer	11,766	59%
Interest: Tutoring	8,036	41%
Interest: Veteran Services	519	3%
International Student	1,645	8%
Low Income	6,057	28%
Receiving Assistance (TANF, SSI)	1,993	9%
Residency: California Unknown	3,960	18%
Residency: California Resident	18,251	83%
Residency: Non California Resident	801	4%
Special Program: CalWorks	40	0%
Special Program: DSPS	1,012	5%
Special Program: EOPS	709	3%
Special Program: Foster Youth	106	0%
Special Program: Veterans	337	2%
Took Basic-Skills Courses	12,370	57%

Note: Total counts and percentages exclude unreported responses for application questions pertaining to a student's interest in particular activities and their citizenship status.