



# FOOTHILL COLLEGE

## Institutional Research and Planning

DATE: November 4, 2016  
TO: Andrew LaManque, Interim Vice President of Instruction & Institutional Research  
FROM: Lisa Ly, Acting College Researcher  
RE: Fall 2016 Sunnyvale Center Analysis (Preliminary Findings)

This report provides preliminary findings regarding the demographic and enrollment profiles of fall 2016 Sunnyvale Center students who are enrolled in face-to-face and/or hybrid sections, hereafter referred to as face-to-face students. The data for this report is current as of November 1, 2016.

### Student Profile

There is a total of 1,670 distinct face-to-face students enrolled at Sunnyvale Center. These students have a total of 1,955 enrollments, or 1.17 course enrollments per student.

### Age and Gender

- The majority of face-to-face students are of traditional college age, 18 to 24 years old (45%). Those ages 25 to 34 comprise the second largest age group of face-to-face students (34%).
- There are more female than male face-to-face students, 52% vs. 47%.

Figure 1: Age Distribution

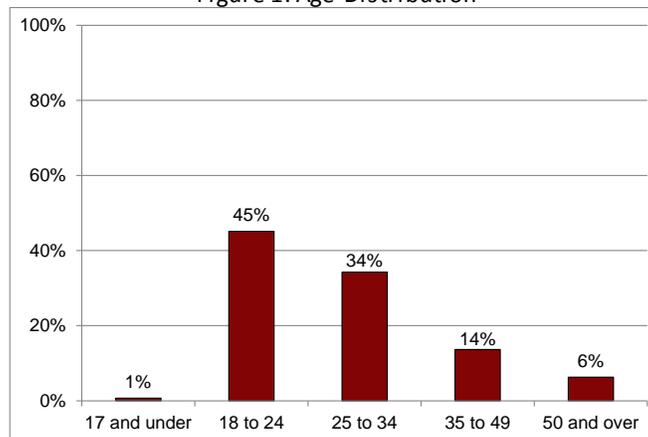
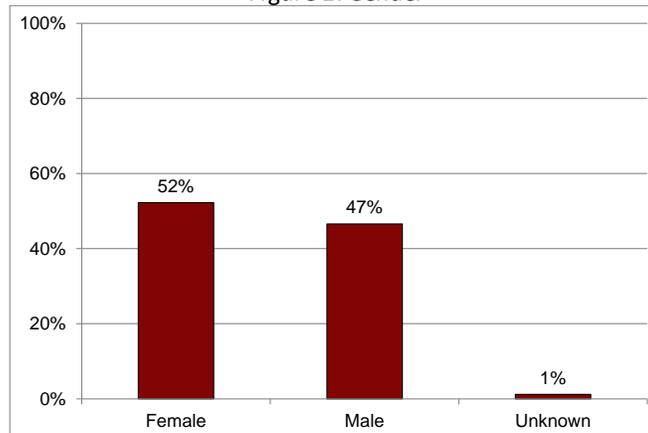
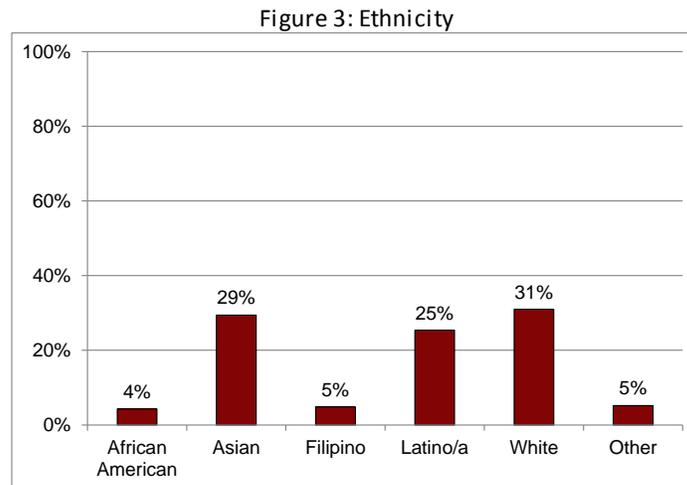


Figure 2: Gender



## Ethnicity

- White students make up the majority of face-to-face students (31%), followed by Asian (29%) and Latino/a (25%) students.



## Ethnicity and Gender

- Female face-to-face students are more likely to identify as Asian (30%) or Latina (28%).
- Male face-to-face students are more likely to identify as White (34%) or Asian (29%).

Table 1: Female Students by Ethnicity

Females	Students	Percent
Asian	264	30%
Latina	246	28%
White	237	27%
Filipina	44	5%
Other	40	5%
African American	38	4%
Total	869	100%

Table 2: Male Students by Ethnicity

Males	Students	Percent
White	265	34%
Asian	225	29%
Latino	174	22%
Other	43	6%
Filipino	35	5%
African American	32	4%
Total	774	100%

## Location of Residence

In order to determine where face-to-face students reside, their zip codes are grouped together using the same methodology as the Census Report.

- Most students reside in Cupertino, Sunnyvale, Los Altos, Mountain View or Palo Alto (40%).
- San Jose (east of 880), Alviso, Milpitas, Fremont, Union City, Newark, Hayward and East Palo Alto areas draw the second largest group of students to Sunnyvale Center (29%).

Table 3: Location of Residence

Zip Code Grouping	Students	Percent
Cupertino, Sunnyvale, Los Altos, Mountain View, Palo Alto, Los Gatos, Saratoga	660	40%
San Jose East of 880, Alviso, Milpitas, Fremont, Union City, Newark, Hayward, East Palo Alto	478	29%
San Jose Other, Santa Clara, Morgan Hill, Gilroy, Campbell	179	11%
San Mateo County Other	81	5%
San Mateo, Atherton, Redwood City, San Carlos, Foster City	97	6%
All Other Areas	175	10%
Total	1,670	100%

### F1/FZ Visa Students

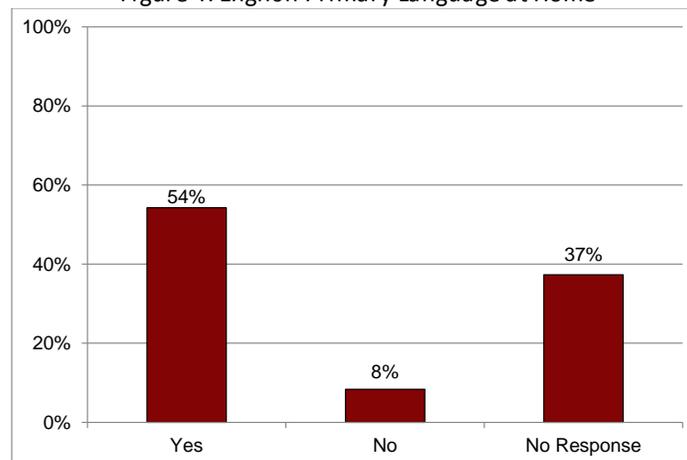
At fall 2016 census, 1,004 F1/FZ visa students are enrolled at Foothill College. These students are tracked to see if any of them are enrolled at Sunnyvale Center.

- Among the 1,004 F1/FZ students, a total of 180 students are enrolled at Sunnyvale Center (18%).
  - Of these 180 students, 132 are enrolled in face-to-face or hybrid sections (73%).
  - These 132 students have a total of 156 course enrollments, or 1.18 course enrollments per F1/FZ student.

### English Primary Language at Home

- Based on the most recent CCCApply application, 54% of face-to-face students reported their primary language at home is English. More than one-third (37%) of face-to-face students did not indicate whether or not English is their primary language.

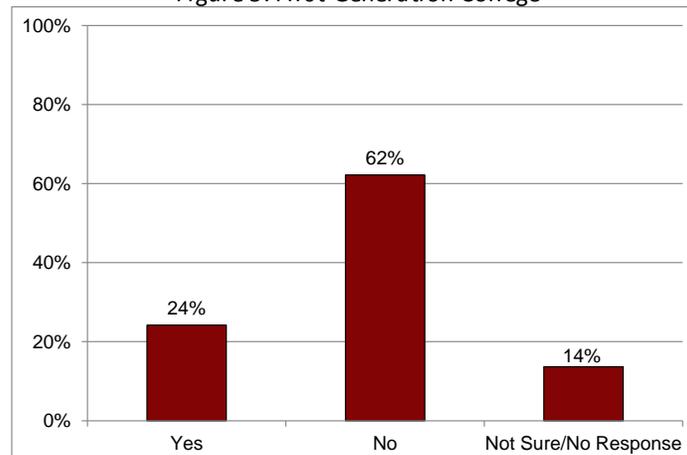
Figure 4: English Primary Language at Home



### First-Generation College

- Most face-to-face students have at least one parent or legal guardian who has had at least some college education. Therefore, the majority of face-to-face students are not first-generation college students (62%).

Figure 5: First-Generation College



National Center for Educational Statistics (NCES) defines first-generation college as a student whose parent/legal guardian did not attain an education beyond high school.

### Highest Educational Attainment and Educational Goal

- The majority of face-to-face students have a high school diploma or equivalent (62%), followed by a bachelor's degree or higher (28%).
- Half (51%) of face-to-face students indicated they would like to transfer to a four-year institution.

Figure 6: Highest Educational Attainment

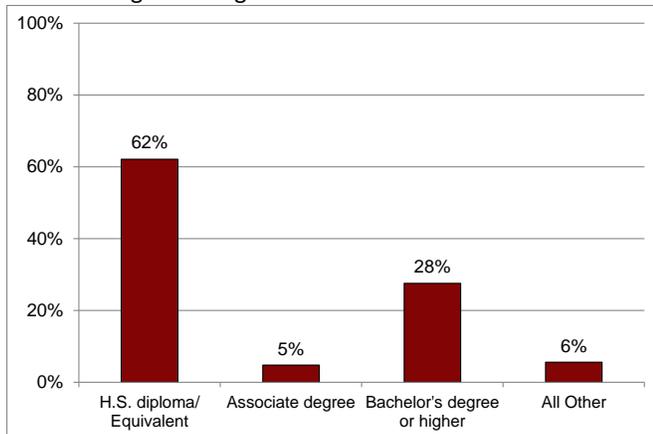
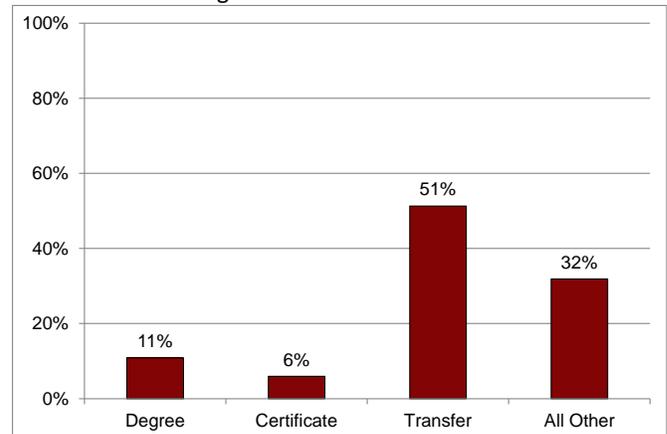


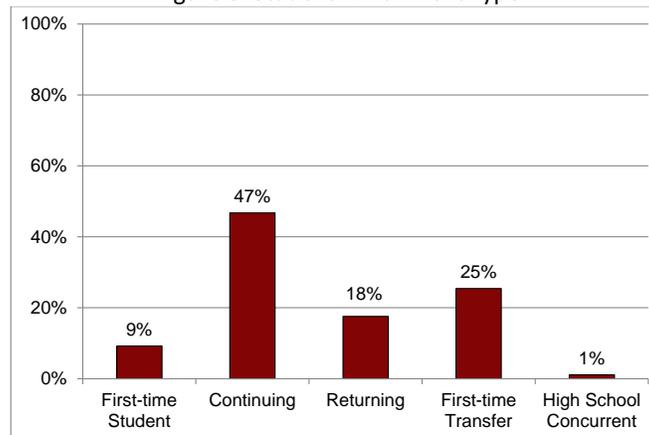
Figure 7: Educational Goal



### Student Type

- Most face-to-face students are continuing students (47%), followed by first-time transfer students (25%) and returning students (18%).

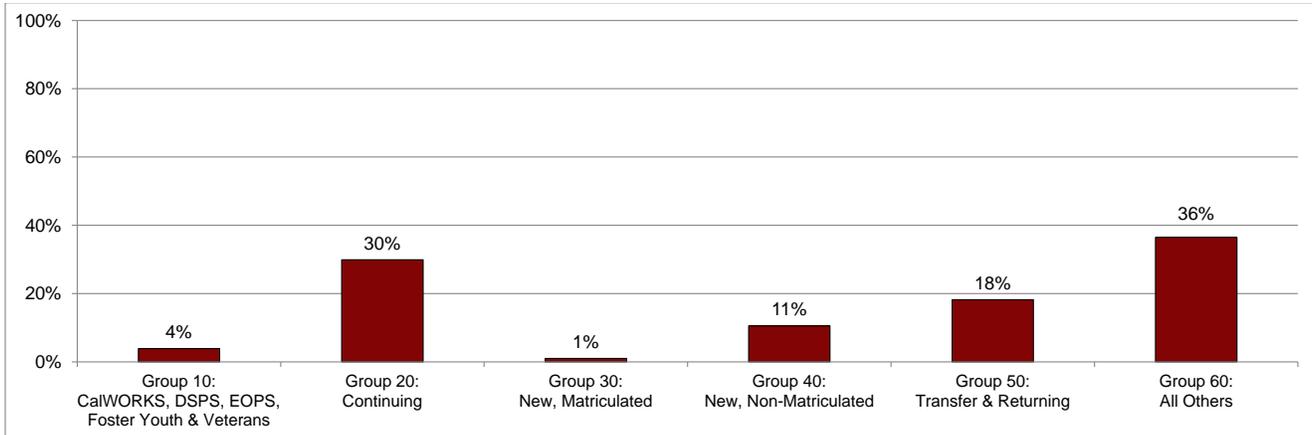
Figure 8: Student Enrollment Type



### Enrollment Priority

- A little over one-third (36%) of face-to-face students' course registration priority window is at the tail end of the registration period for fall 2016 term.
- Continuing students comprise the second largest priority registration group (30%), followed by transfer and returning students (18%).

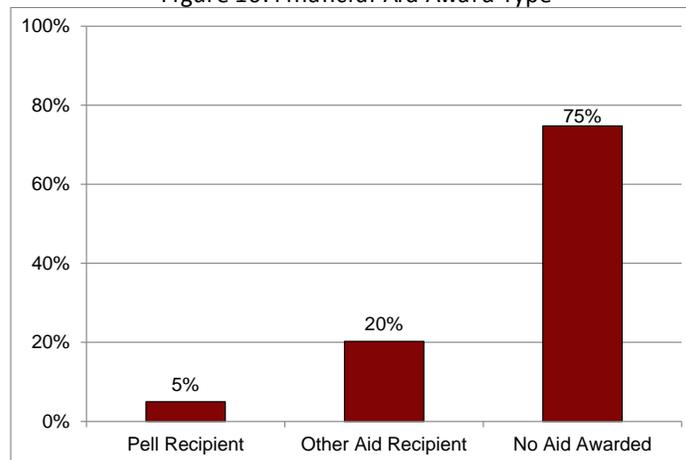
Figure 9: Enrollment Priority Category



### Financial Aid Award

- As of November 1<sup>st</sup>, 75% of face-to-face students do not have financial aid for the fall 2016 term.
- Of those who have received financial aid, 5% and 20% of face-to-face students are awarded the Pell Grant or Other Aid (i.e. non-Pell Grant), respectively.

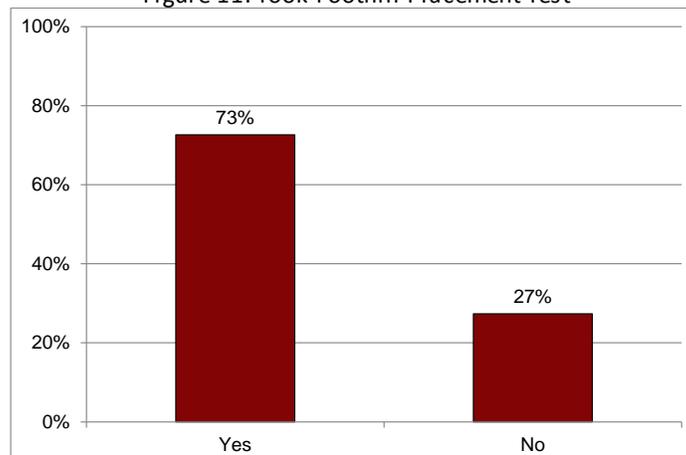
Figure 10: Financial Aid Award Type



### Ever Took Foothill Placement Test

- Nearly three-fourths (73%) of face-to-face students have taken a placement test at Foothill.

Figure 11: Took Foothill Placement Test



### Selected Major

- The top five Foothill majors face-to-face students selected are provided in table 4. Child Development (10%), Business Administration (9%) and Computer Science (8%) are the top three majors chosen.

Table 4: Top Five Selected Foothill Majors

Major			Students	Percent
1	1CHD	Child Development	122	10%
2	1BUS	Business Administration	109	9%
3	1CIS	Computer Science	104	8%
4	1PAR	Paramedic	75	6%
5	1ACC	Accounting	60	5%
	1BIO	Biological Sciences	60	5%

### Course Enrollment Profile

#### Division and Instructional Method

- The majority of the face-to-face/hybrid enrollment is from Business & Social Sciences (38%), followed by Physical Science, Math & Engineering (26%) and Biological & Health Sciences (16%) divisions. Combined, these three divisions account for 80% of the enrollment.
- Face-to-face and hybrid sections account for 62% and 38% of the enrollment, respectively.

Figure 12: Enrollment by Division

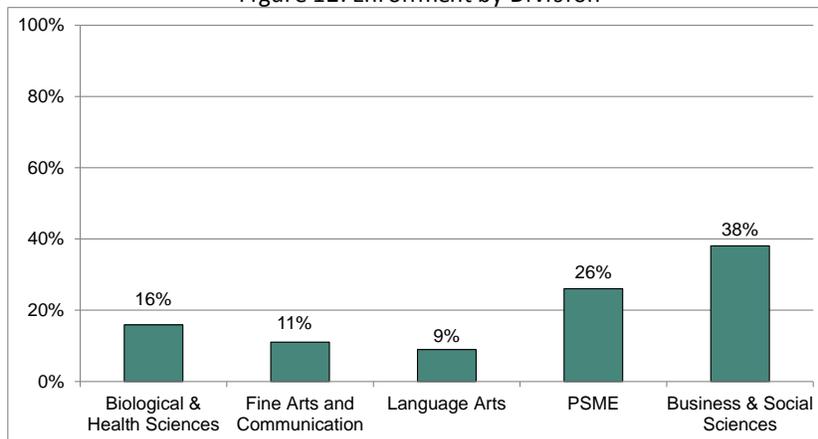
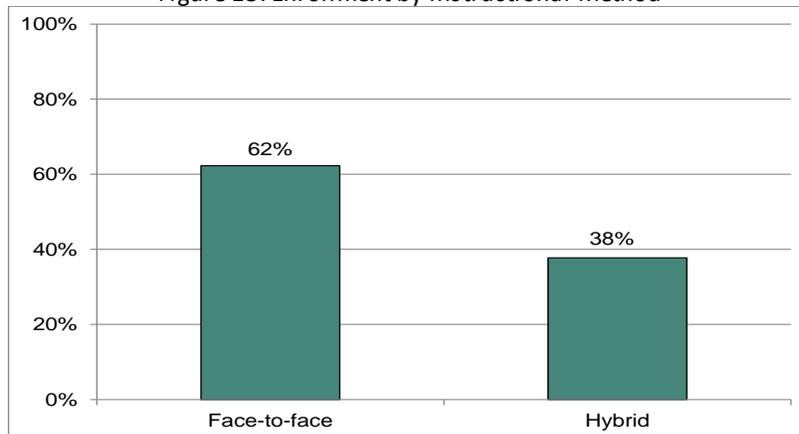


Figure 13: Enrollment by Instructional Method



- Instructional method is disaggregated by division to determine which division provides the most face-to-face and hybrid course enrollments (table 5). Refer to the Appendix for instructional method disaggregated by department.
  - **Face-to-Face Enrollment:** The division with the most face-to-face enrollment is Business & Social Sciences (31%) followed by Biological & Health Sciences (26%) and Physical Science, Math & Engineering (22%).
  - **Hybrid Enrollment:** The division with the most hybrid enrollment is Business & Social Sciences (50%) and Physical Science, Math & Engineering (33%).

Table 5: Instructional Method by Division

Division		Face-to-face		Hybrid	
		Enrollment	Percent	Enrollment	Percent
1BH	Biological & Health Sciences	311	26%	0	0%
1FA	Fine Arts and Communication	94	8%	122	17%
1LA	Language Arts	175	14%	0	0%
1PS	PSME	264	22%	245	33%
1SS	Business & Social Sciences	373	31%	371	50%
Total		1,217	100%	738	100%

### Credit vs. Degree vs. Non-Credit

- 1,804 or 92% of the face-to-face/hybrid course enrollment at Sunnyvale Center is degree applicable. Credit and non-credit (each at 4%) comprises the remaining enrollments.
- When factoring the characteristics of the course, the majority of the enrollment consists of degree and occupational applicable but non-transferrable courses (33%), followed by degree and transfer applicable but not occupational applicable (30%).

Table 6: Credit, Degree and Non-Credit by Course Characteristics

	Course Characteristics				Enrollment	Percent
	Basic Skills	Degree Applicable	Transfer Applicable	Occupational Course		
<b>Credit</b>						
	Yes	No	No	No	65	3%
	No	No	No	Yes	10	1%
Subtotal					75	-
<b>Degree</b>						
	No	Yes	Yes	Yes	467	24%
	No	Yes	Yes	No	579	30%
	No	Yes	No	Yes	640	33%
	No	Yes	No	No	118	6%
Subtotal					1,804	-
<b>Non-Credit</b>						
	Yes	No	No	Yes	1	0%
	Yes	No	No	No	65	3%
	No	No	No	Yes	10	1%
Subtotal					76	-
Grand Total					1,955	100%

### Days with the Most Students at Sunnyvale Center

In order to determine which day of the week has the most students on campus, fully online course sections is excluded from this portion of the analysis. Enrollments are accounted for accordingly based on the number of times a course section met. For instance, if a section has an enrollment count of 22 students and met on Mondays and Wednesdays, then the anticipated foot traffic from this course is 44 students during a given week. Courses that include lab sections are accounted for as well.

- Thursdays has the most students and accounts for 20% of all foot traffic in a given week.
- Wednesdays (19%) and Mondays and Tuesdays (each at 18%) comprises the remaining foot traffic.

Table 7: Days with the Most Students at Sunnyvale Center

	Enrollment by Course Meeting Type			
	Lecture	Lab	Total	Percent
Monday	703	68	771	18%
Tuesday	649	117	766	18%
Wednesday	713	116	829	19%
Thursday	739	120	859	20%
Friday	113	15	128	3%
Saturday	130	15	145	3%
Sunday	0	0	0	0%
Unknown	440	390	830	19%
Total	3,487	841	4,328	100%

Note: Some hybrid sections do not specify a course meeting day. The enrollments from these sections are denoted as “unknown.”

### Times During the Day with the Most Students at Sunnyvale Center

In table 8, foot traffic takes into account the section meeting start time. For sections that do not start at the top of the hour or half hour thereafter, their start times are grouped with the preceding start time. For example, if a section starts at 8:50 PM, it was grouped with the 8:30 PM start time. Only 3 sections are affected.

- More than half (56%) of the foot traffic on a given day occurs during the evening hours of 4:30 PM to 9:00 PM, particularly around 6:00 PM and 6:30 PM.
- Morning classes, 7:00 AM to 11:59 AM, account for about one-third of the foot traffic (34%).
- There are very few classes that start during the afternoon hours of 12:00 PM to 4:29 PM (10%).

Table 8: Times During the Day with the Most Students at Sunnyvale Center

Start Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Unknown Day	Total	Percent
7:00 AM	-	-	-	-	-	-	-	-	0	0%
7:30 AM	9	21	9	21	-	-	-	-	60	1%
8:00 AM	65	28	125	97	-	-	-	-	315	7%
8:30 AM	10	-	30	-	30	-	-	-	70	2%
9:00 AM	95	-	123	32	20	130	-	-	400	9%
9:30 AM	-	-	-	-	-	-	-	-	0	0%
10:00 AM	35	12	35	12	-	-	-	-	94	2%
10:30 AM	-	-	-	-	-	-	-	-	0	0%
11:00 AM	25	109	25	89	-	-	-	-	248	6%
11:30 AM	-	-	-	-	-	-	-	-	0	0%
12:00 PM	-	-	-	-	-	-	-	-	0	0%
12:30 PM	-	41	-	41	-	-	-	-	82	2%
1:00 PM	4	-	-	-	-	-	-	-	4	0%
1:30 PM	-	-	-	48	-	-	-	-	48	1%
2:00 PM	-	-	5	-	-	-	-	-	5	0%
2:30 PM	-	41	-	41	-	-	-	-	82	2%
3:00 PM	-	-	-	-	-	-	-	-	0	0%
3:30 PM	-	-	-	-	-	-	-	-	0	0%
4:00 PM	22	56	22	26	-	-	-	-	126	3%
4:30 PM	30	-	-	-	-	-	-	-	30	1%
5:00 PM	-	-	-	-	-	-	-	-	0	0%
5:30 PM	31	43	21	33	-	-	-	-	128	3%
6:00 PM	186	92	200	94	63	-	-	-	635	15%
6:30 PM	201	257	168	278	-	-	-	-	904	21%
7:00 PM	-	-	-	-	-	-	-	-	0	0%
7:30 PM	21	51	29	32	-	-	-	-	133	3%
8:00 PM	-	-	-	-	-	-	-	-	0	0%
8:30 PM	43	-	43	-	-	-	-	-	86	2%
9:00 PM	-	-	-	-	-	-	-	-	0	0%
Unknown Time	15	15	15	15	15	15	0	830	920	21%
Total	792	766	850	859	128	145	0	830	4,370	100%

Summary of Section Meeting Start Time		
	Enrollment	Percent
Morning 7:00 AM - 11:59 AM	1,187	34%
Afternoon Noon - 4:29 PM	347	10%
Evening 4:30 PM - 9:00 PM	1,916	56%
Total	3,450	100%

Note: Summary table omits "unknown" meeting days/times.

### Sunnyvale Students Enrolled at Other FHDA Campuses

In this section of the report, the 1,670 Sunnyvale Center face-to-face students are tracked to determine if they are concurrently enrolled at another FHDA campus for the fall 2016 term.

- 43% of students are enrolled exclusively at Sunnyvale Center.
- 51% of students are concurrently enrolled at Sunnyvale Center and *only* Foothill Main Campus.
- 3% of students are concurrently enrolled at Sunnyvale Center and *only* De Anza Main Campus.
- 3% of students are concurrently enrolled at Sunnyvale Center, Foothill Main and De Anza Main campuses or Sunnyvale Center and *only* Off-Campus.

Table 9: Sunnyvale Students Enrolled at Other FHDA Campuses

Sunnyvale Center	Foothill Main	De Anza Main	Off-Campus (FH and/or DA)	Students	Percent
Yes	No	No	No	719	43%
Yes	Yes	No	No	855	51%
Yes	Yes	Yes	No	24	1%
Yes	Yes	Yes	Yes	1	0%
Yes	No	Yes	No	46	3%
Yes	No	Yes	Yes	0	0%
Yes	No	No	Yes	21	1%
Yes	Yes	No	Yes	4	0%
Total				1,670	100%

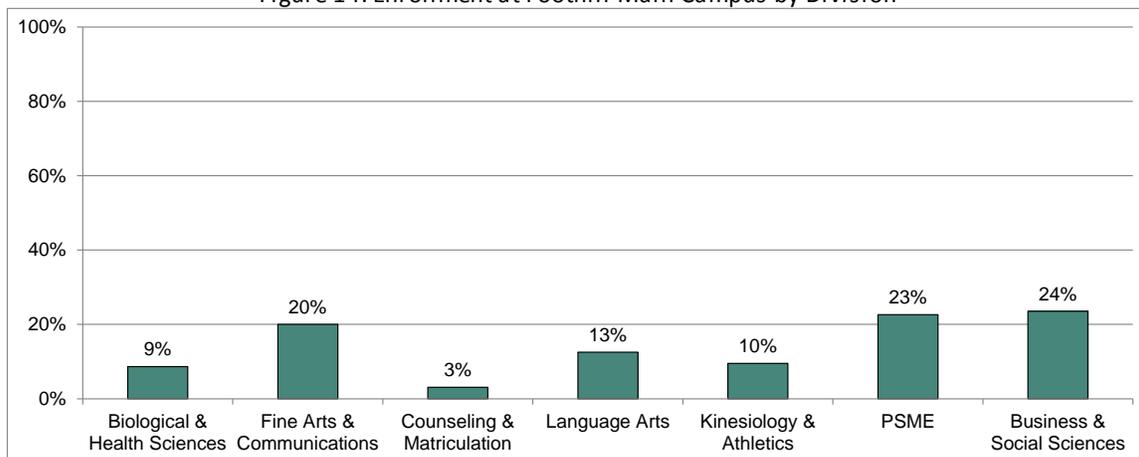
### Students Enrolled at Sunnyvale Center and Only Foothill Main Campus

#### Division

Since 51% of Sunnyvale Center face-to-face students are concurrently enrolled at only Foothill Main Campus, *this section of the report examines their course enrollment at Foothill Main Campus.* These 855 students have a total of 1,678 enrollments at Foothill Main Campus, or 1.96 course enrollments per student.

- The majority of the enrollment at Foothill Main Campus is from Business & Social Sciences (24%), followed by Physical Science, Math & Engineering (23%) and Fine Arts & Communications (20%). Combined, these three divisions account for 67% of Sunnyvale students' enrollment at Foothill Main Campus.

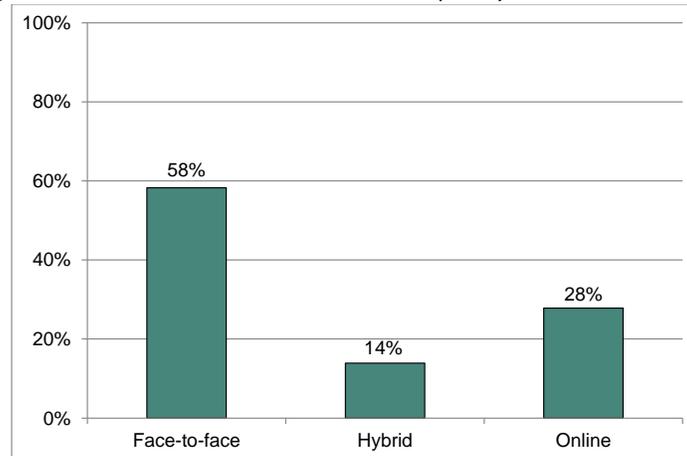
Figure 14: Enrollment at Foothill Main Campus by Division



## Instructional Method

- More than half of the enrollment is from face-to-face sections (58%), followed by online (28%) and hybrid (14%) sections.

Figure 15: Enrollment at Foothill Main Campus by Instructional Method



- When instructional method is disaggregated by division, findings reveal that among face-to-face sections, students are enrolled in mostly Physical Science, Math & Engineering (27%), Business & Social Sciences (20%) and Language Arts (19%) at Foothill Main Campus.
- Additionally, students are likely to enroll in Fine Arts & Communications and Business & Social Sciences hybrid and online sections. Combined, these two divisions account for 66% of hybrid and 67% of online enrollments.

Table 10: Enrollment at Foothill Main Campus by Division and Instructional Method

Division		Face to Face		Hybrid		Online	
		Enrollment	Percent	Enrollment	Percent	Enrollment	Percent
1BH	Biological & Health Sciences	102	10%	20	9%	23	5%
1FA	Fine Arts & Communications	71	7%	85	36%	180	39%
1GU	Counseling & Matriculation	38	4%	0	0%	14	3%
1LA	Language Arts	185	19%	0	0%	25	5%
1PE	Kinesiology & Athletics	129	13%	1	0%	30	6%
1PS	PSME	262	27%	56	24%	62	13%
1SS	Business & Social Sciences	191	20%	71	30%	133	28%
Total		978	100%	233	100%	467	100%

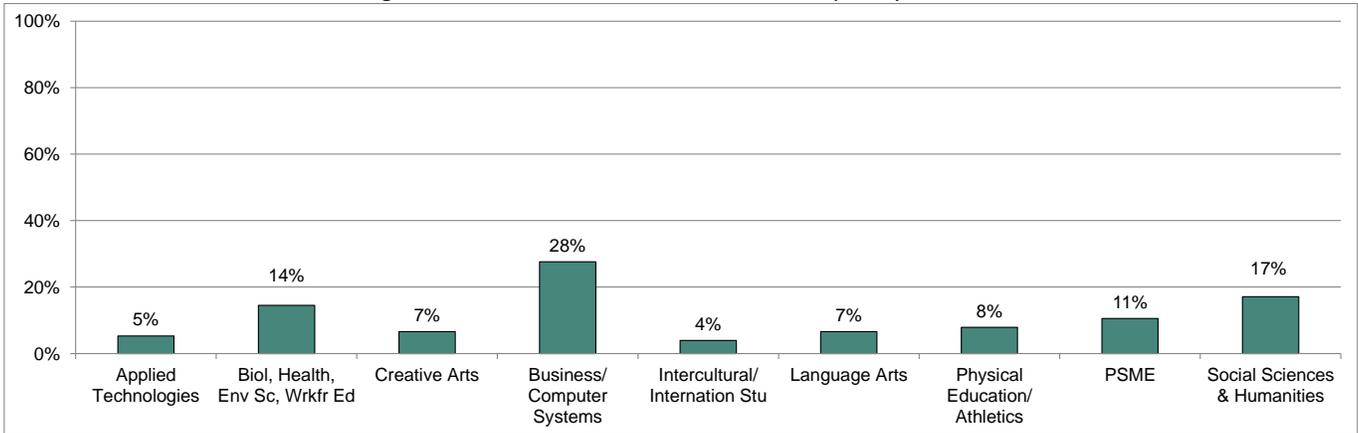
## Students Enrolled at Sunnyvale Center and Only De Anza Main Campus

### Division

This section of the report *examines the courses that concurrently enrolled Sunnyvale Center students are taking at De Anza Main Campus*. These 46 students have a total of 76 enrollments at Foothill Main Campus, or 1.65 course enrollments per student.

- The majority of the enrollment at De Anza Main Campus is from Business/Computer Systems (28%), followed by Social Sciences & Humanities (17%) and Biological, Health, Environmental Sciences & Workforce Education (14%). Combined, these three divisions account for 59% of Sunnyvale students' enrollment at De Anza Main Campus.

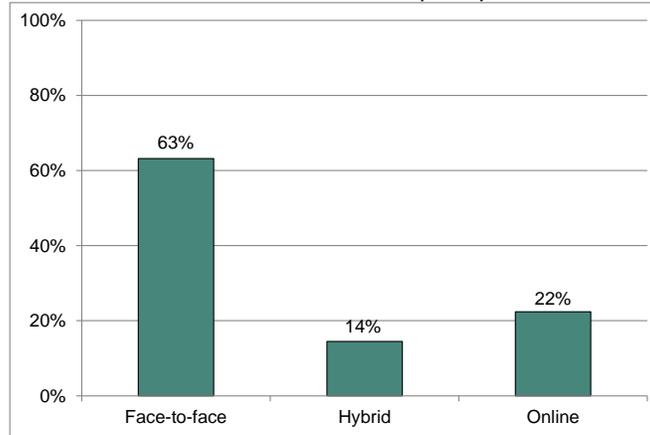
Figure 16: Enrollment at De Anza Main Campus by Division



**Instructional Method**

- Nearly two thirds of the enrollment is from face-to-face sections (63%), followed by online (22%) and hybrid (14%) sections.

Figure 17: Enrollment at De Anza Main Campus by Instructional Method



- When instructional method is disaggregated by division, findings reveal that among face-to-face sections, students are enrolled in mostly Biological, Health, Environmental Sciences & Workforce Education (19%) and Social Sciences & Humanities (19%) at De Anza Main Campus.
- Business/Computer Systems account for the majority of hybrid (82%) and online (53%) enrollments.

Table 11: Enrollment at De Anza Main Campus by Division and Instructional Method

Divisions		Face to Face		Hybrid		Online	
		Enrollment	Percent	Enrollment	Percent	Enrollment	Percent
2AT	Applied Technologies	4	8%	0	0%	0	0%
2BH	Biol, Health, Env Sc, Wrkfr Ed	9	19%	0	0%	2	12%
2CA	Creative Arts	5	10%	0	0%	0	0%
2CB	Business/Computer Systems	3	6%	9	82%	9	53%
2IC	Intercultural/Internation Stu	2	4%	0	0%	1	6%
2LA	Language Arts	3	6%	2	18%	0	0%
2PE	Physical Education/Athletics	6	13%	0	0%	0	0%
2PS	PSME	7	15%	0	0%	1	6%
2SS	Social Sciences & Humanities	9	19%	0	0%	4	24%
Total		48	100%	11	100%	17	100%

## Appendix

Table 12: Sunnyvale Center Face-to-Face Enrollment by Department

Division & Department		Enrollment	Percent (Dept)	Percent (Division)
<b>1BH</b>	<b>Biological &amp; Health Sciences</b>			
EMTP	Emerg Med Tech: Paramedic-FH	147	47%	-
EMT	Emergency Medical Technic-FH	63	20%	-
AHS	Allied Health Sciences-FH	48	15%	-
EMR	Emergency Medical Responder-FH	41	13%	-
HLTH	Health-FD	12	4%	-
	Subtotal	311	100%	26%
<b>1FA</b>	<b>Fine Arts &amp; Communication</b>			
COMM	Communications-FH	72	77%	-
ART	Art-FH	22	23%	-
	Subtotal	94	100%	8%
<b>1LA</b>	<b>Language Arts</b>			
NCEL	Non Credit: ESL-FH	66	38%	-
ENGL	English-FH	54	31%	-
JAPN	Japanese-FD	24	14%	-
CRWR	Creative Writing-FH	17	10%	-
SPAN	Spanish-FD	14	8%	-
	Subtotal	175	100%	14%
<b>1PS</b>	<b>Physical Science, Math &amp; Engineering</b>			
MATH	Mathematics-FD	167	63%	-
ASTR	Astronomy-FD	97	37%	-
	Subtotal	264	100%	22%
<b>1SS</b>	<b>Business &amp; Social Sciences</b>			
CHLD	Child Development-FH	265	71%	-
PHIL	Philosophy-FD	43	12%	-
BUSI	Business-FH	42	11%	-
GIST	Geospatial Technology-FH	23	6%	-
	Subtotal	373	100%	31%
Division Grand Total		1,217	-	100%

Table 13: Sunnyvale Center Hybrid Enrollment by Department

Division & Department		Enrollment	Percent (Dept)	Percent (Division)
<b>1FA</b>	<b>Fine Arts &amp; Communication</b>			
GID	Graphic & Interactive Des-FH	63	52%	-
COMM	Communications-FH	30	25%	-
ART	Art-FH	20	16%	-
MTEC	Music Technology-FH	9	7%	-
	Subtotal	122	100%	17%
<b>1PS</b>	<b>Physical Science, Math &amp; Engineering</b>			
C S	Computer Science-FH	245	100%	-
	Subtotal	245	100%	33%
<b>1SS</b>	<b>Business &amp; Social Sciences</b>			
PSYC	Psychology-FD	91	25%	-
ACTG	Accounting-FH	77	21%	-
BUSI	Business-FH	77	21%	-
SOC	Sociology-FD	46	12%	-
HUMN	Humanities-FH	30	8%	-
GIST	Geospatial Technology-FH	27	7%	-
ECON	Economics-FD	23	6%	-
	Subtotal	371	100%	50%
Division Grand Total		738	-	100%