



## MIS Program Award Submission Report De Anza College, 2016-17

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### ***Introduction***

This document provides award and student headcount statistics for data included in the MIS SP report<sup>1</sup> for De Anza College, which was submitted to the California Community College Chancellor's Office (CCCCO) on September of 2017. The MIS SP report allows analysts to identify students who were awarded at least one degree or certificate at a California community college during a given academic year, the area of studies for the award, and the title for those awards approved by the CCCCCO. This document also includes comparable statistics for the two prior academic years to help readers construct a frame of reference to (1) detect any data validity issue; (2) identify trends for the last three academic years regarding significant increases or declines in the number of awards and student headcounts for degrees, certificates, or specific programs at the College; and (3) review preliminary figures for related reports (e.g., IPEDS<sup>2</sup>, Gainful Employment<sup>3</sup>). Demographic statistics (gender, race/ethnicity, age group) are also included in this document.

### ***Procedures***

Award and student headcount statistics were calculated by degree type (i.e., associate in arts, associate in arts for transfer, associate in science, and associate in science for transfer) or number units (certificates), program or area of studies (as identified by the first four characters of TOP<sup>4</sup> code for the program), and the award

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<sup>1</sup> For more information, visit:  
<http://extranet.cccco.edu/Divisions/TechResearchInfoSys/MIS/DED/StudentProgramAward.aspx>

<sup>2</sup> Information about IPEDS can be found at: <http://nces.ed.gov/ipeds/>.

<sup>3</sup> Information about Gainful Employment can be found at:  
<https://ifap.ed.gov/GainfulEmploymentInfo/indexV2.html>.

<sup>4</sup> TOP (Taxonomy of Program) code allows analysts to identify the discipline or area of studies (major) for the program (certificate or award). More information available at:

title. Specific to certificates, data were disaggregated into two groups: (1) all students who were awarded at least one certificate during the academic year at De Anza College, and (2) certificate-only students, which excludes any student who earned at least one degree during the same academic year at the College. Statistics by program or area of studies (TOP code, first four characters) and title are only shown for certificate-only students to better understand differences between degree and non-degree seeking student populations.

Gender, race/ethnicity, and age group headcount figures are shown for graduates (students who received at least one degree), certificate-only students, and the College student population (students enrolled at the College any term during the academic year by census date). Statistics for race/ethnic groups are based on IPEDs procedures: foreign/international students are grouped separately and Hispanics also include students from multiple races (i.e., students of Hispanic and other racial background). Age for the college student population is based on the start date for the first term the student attended the college during the academic year. For degrees and certificates, student age is based on the first date of the spring term for the academic year when they received at least one award. Headcount and percentage change figures are based on data for 2014-15 and 2016-17. Figures for 2015-16 are included to help identify significant trends in the data.

## **Results**

### **Award and Student Counts**

- The total number of students who graduated with at least one associate degree at De Anza College in 2016-17 was 1,756—a 21% increase when compared to the number for 2014-15 (1,451). Degree types awarded in 2016-17 included 1,536 (73%) regular or traditional degrees (associate in arts [AA] and associate in science [AS]) and 579 (27%) transfer guarantee degrees<sup>5</sup> (associate in arts-transfer [AA-T] and associate in science-transfer [AA-T]). Detailed award and

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[http://extranet.cccco.edu/Portals/1/AA/Credit/2013Files/TOPmanual6\\_2009\\_09corrected\\_12.5.13.pdf](http://extranet.cccco.edu/Portals/1/AA/Credit/2013Files/TOPmanual6_2009_09corrected_12.5.13.pdf).

<sup>5</sup> Students who earn an AA-T or AS-T degree and meet the CSU minimum eligibility requirements are guaranteed admission to a CSU, but not necessarily to a particular campus or major.

headcount figures by degree type for the last three academic years are shown in Table 1.

- Regarding changes in student headcount by degree type, data in Table 1 show a significant increase between 2014-15 and 2016-17 for the transfer guarantee degrees: AA-T's showed a 197% increase (70 to 208); AS-T's, a 99% increase (186 to 371). These figures compared to 4% (1,228 to 1,280) for AA's and no change for AS's. Despite the significant increase in student headcount for transfer guarantee degrees at De Anza, the traditional AA degrees still account for the majority of graduates at the College in 2016-17: 73% (compared to 85% in 2014-15).
- Related to degrees by area of studies or TOP code, data in Appendix A.1 show the social sciences as the area with the highest number of graduates at De Anza College in the last three years (1,032), followed by biological, physical sciences and mathematics (866). When taking into account both percentage and headcount change figures within the last three years, the areas with the most significant increase in graduates include business administration (71%, 181 to 309), speech communication (167%, 27 to 72), and biological, physical sciences and mathematics (24%, 275 to 341).
- Data in Appendix A.2 show figures by degree title. Data in this table show liberal arts degrees with the highest number of graduates; however, only the liberal arts degree with an emphasis on science, math and engineering showed a significant increase between 2014-15 and 2016-17 (24%, 275 to 341). Specific to the degrees for transfer, the data show a significant headcount and percentage increase for the degrees in Business Administration (89%, 151 to 285), Communication Studies (183%, 23 to 65), Political Science (300%, 9 to 36), and Sociology (227%, 11 to 36). Increases for some of the transfer guarantee degrees may account to some extent for the decline or no increase in regular or traditional degrees within the same program or similar area of studies. For example, while the AA-T for sociology show an increase of 227% (11 to 36), the liberal arts degree with an emphasis on social and behavioral science show no significant change for the same period. Data in Appendix A.2 also show a significant decline for the number of graduates in the automotive program (headcount declines of about 40%). The data also suggest a significant degree of overlap for the degrees offered in the automotive program: figures in Table 3

show that close to 50% of the 88 students who graduated within the last three years (2014-15 to 2016-17) with a degree in automotive technology at De Anza College received multiple degrees in this area of studies during this period.

- Data in Table 2 show that within the last three academic years close to 50% of De Anza College graduates received at least one degree in an occupational area or program of studies. However, non-occupational degrees show the highest increase in headcount for graduates for the same period: 24%, compared to 17% for occupational degrees.
- Data for certificate awards are shown in Table 4; figures in this table are for all students who received at least one certificate—independently of whether they also received a degree during the same academic year. In Table D5, the figures are for students who received at least one certificate, but not a degree in the same year: certificate-only students. Data in Table 4 (all students, including those with a degree) show an increase of 2% (487 to 496) between 2014-15 and 2016-17 in the number of students who received a certificate at De Anza College. However, data for certificate-only students in Table 5 show an increase of 18% (319 to 375) for the same period. The largest increase is shown for the certificates in the 24 to 26 unit range.
- Data in Appendix A.3 show award and headcount figures for certificate-only students by program or area of studies (TOP code). Based on headcount and percentage change figures in this table, the areas with the highest increase for certificates awarded in the last academic years at De Anza College are child development/early education (93%, 28 to 54), accounting (48%, 27 to 40), and computer software development (75%, 16 to 28). At the certificate title level, as shown by data in Appendix AD.4, the highest increases (based on count and percentage change figures) are for the Child Development (206%, 16 to 49) and Accounting (84%, 19 to 35).

### **Student Demographics**

- Data in Appendix D.1 show student headcount figures disaggregated by academic year and age group for the following: graduates (Degrees), certificate-only students (Certificates), and students with cumulative attempted units for the academic year greater than zero (College). The data here show that about 65%

of graduates in 2016-17 were less than 25 years old by the end of the academic year, compared to 61% in 2014-15. For certificates, the data show the opposite trend: 21% of the certificate-only students in 2016-17 were younger than 25, compared to 25% in 2014-15. Data for the College student population do not show any significant change within the last three academic years related to age.

- Appendix D.2 show data disaggregated by race/ethnic group. For graduates, percentage figures for the three major race/ethnic groups (about 20% or higher of the general population) are similar to those for the College population. When comparing figures for graduates in 2016-17 to those for the College in 2014-15 (two years before), figures tend to suggest that Hispanic students graduated at a slightly higher rate (24% - 27%) than expected, when compared to Asians (38% - 37%) or Whites (21% - 19%).<sup>6</sup> For certificates, the data suggest the opposite: in 2016-17, Hispanics received certificates at a lower rate (21%) when compared to Asian (41%) or Whites (29%) and taking into account their share of the College student population during the same or the prior academic year.
- Appendix D.3 shows headcount figures by gender group. Although data for the last three academic years have shown no significant differences regarding gender in the College student population, a greater percentage of De Anza graduates in 2016-17 were female (54%). For certificate-only students, the gender gap was wider in 2016-17: female, 60%; male, 39%.

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<sup>6</sup> Transfer data may help answer whether Asian and White students are more likely to transfer, instead of graduating at the College, when compared to Hispanic students.

**Table 1. De Anza College: Award and Student Count by Degree Type and Academic Year, 2014-15 to 2016-17**

Degree Type	Academic Year						Three Year Statistics			
	2014-15		2015-16		2016-17		Count Change		Percent Change	
	Awards	Students	Awards	Students	Awards	Students	Awards	Students	Awards	Students
Associate in Arts	1,355	1,228	1,253	1,134	1,392	1,280	37	52	3%	4%
Associate in Arts- Transfer	70	70	127	126	208	208	138	138	197%	197%
Subtotal AA	1,425	1,250	1,380	1,217	1,600	1,417	175	167	12%	13%
Associate in Science	149	126	150	127	144	126	(5)	-	-3%	0%
Associate in Science-Transfer	186	186	283	282	371	371	185	185	99%	99%
Subtotal AS	335	312	433	409	515	497	180	185	54%	59%
<b>Total</b>	<b>1,760</b>	<b>1,451</b>	<b>1,813</b>	<b>1,510</b>	<b>2,115</b>	<b>1,756</b>	<b>530</b>	<b>305</b>	<b>30%</b>	<b>21%</b>

**Table 2. De Anza College: Student Headcount by Degree Occupational Status and Academic Year, 2014-15 to 2016-17**

Occupational Status	Academic Year			Three Year Statistics		
	2014-15	2015-16	2016-17	Total Headcount	Change	Percent Change
Occupational	688 47%	731 48%	806 46%	2,158 47%	118	17%
Non-Occupational	822 57%	838 55%	1,019 58%	2,646 58%	197	24%
Total	1,451 100%	1,510 100%	1,756 100%	4,589 100%	305	21%

**Notes**

Student headcount figures are not mutually exclusive because students may receive multiple degrees in the same year.

Occupational status is based on TOP code for the degree.

**Table 3. De Anza College: Headcount for Programs with Graduates with Multiple Degrees Awarded between 2014-15 to 2016-17**

TOP Code-Program	Headcount		Percent Multiple Degrees
	Total Graduates	Multiple Degrees	
0948-Automotive Technology	88	43	49%
0956-Manufacturing and Industrial Technology	31	7	23%
0505-Business Administration	741	24	3%
1030-Graphic Art and Design	29	5	17%
1305-Child Development/Early Care and Education	86	5	6%
1506-Speech Communication	148	10	7%
0502-Accounting	106	10	9%
0602-Journalism	17	1	6%
1501-English	82	10	12%
2105-Administration of Justice	116	11	9%
0604-Radio and Television	61	3	5%



**Table 4. De Anza College, All Students: Award and Student Count by Certificate Units and Academic Year, 2014-15 to 2016-17**

Certificate Units	Academic Period						Three Year Statistics			
	2014-15		2015-16		2016-17		Count Change		Percent Change	
	Awards	Students	Awards	Students	Awards	Students	Awards	Students	Awards	Students
9-23 (Not Approved)	12	8	1	1	3	3	-9	-5	-75%	-63%
18-23 (Approved)	332	277	241	216	320	263	-12	-14	-4%	-5%
24-26	103	100	121	118	169	165	66	65	64%	65%
27-44	80	76	62	55	51	47	-29	-29	-36%	-38%
45-89	106	103	93	89	91	87	-15	-16	-14%	-16%
<b>Total</b>	<b>633</b>	<b>487</b>	<b>518</b>	<b>434</b>	<b>634</b>	<b>496</b>	<b>1</b>	<b>9</b>	<b>0%</b>	<b>2%</b>

**Table 5. De Anza College, Certificate-Only Students: Award and Student Count by Certificate Units and Academic Year, 2014-15 to 2016-17**

Certificate Units	Academic Period						Three Year Statistics			
	2014-15		2015-16		2016-17		Count Change		Percent Change	
	Awards	Students	Awards	Students	Awards	Students	Awards	Students	Awards	Students
9-23 (Not Approved)	8	5			2	2	-6	-3	-75%	-60%
18-23 (Approved)	247	200	198	176	237	204	-10	4	-4%	2%
24-26	79	77	105	102	137	136	58	59	73%	77%
27-44	45	44	34	31	25	24	-20	-20	-44%	-45%
45-89	36	35	41	38	46	44	10	9	28%	26%
							-	-	-	-
<b>Total</b>	<b>415</b>	<b>319</b>	<b>378</b>	<b>325</b>	<b>447</b>	<b>375</b>	<b>32</b>	<b>56</b>	<b>8%</b>	<b>18%</b>

**Notes**

Certificate-Only Students: Students who were awarded a certificate, but not a degree during the academic year.

**Appendix A.1**

**De Anza College, Degrees: Student Headcount by Program Area and Academic Year, 2014-15 to 2016-17**

TOP Code-Program	Academic Year			Three Year Statistics		
	2014-15	2015-16	2016-17	Total Count	Change	Percent Change
2201-Social Sciences	346	341	345	1,032	(1)	-
4902-Biological and Physical Sciences (and Mathematics)	275	250	341	866	66	24%
0599-Other Business and Management	289	257	283	829	(6)	-2%
0505-Business Administration	181	258	309	741	128	71%
4903-Humanities	127	110	142	379	15	12%
1230-Nursing	54	48	56	158	2	4%
1506-Speech Communication	27	50	72	148	45	167%
1402-Paralegal	57	40	35	132	(22)	-39%
2105-Administration of Justice	32	36	49	116	17	53%
0502-Accounting	30	37	40	106	10	33%
1270-Kinesiology	23	31	44	98	21	91%
0948-Automotive Technology	39	37	26	88	(13)	-33%
1305-Child Development/Early Care and Education	23	27	39	86	16	70%
0401-Biology	24	31	29	84	5	21%
1501-English	21	30	32	82	11	52%
2208-Sociology	11	21	36	68	25	227%
0604-Radio and Television	22	23	16	61	(6)	-27%
2207-Political Science	9	12	36	57	27	300%
1701-Mathematics	17	17	16	50	(1)	-6%
0956-Manufacturing and Industrial Technology	9	11	11	31	2	22%
1208-Medical Assisting	11	9	11	31	-	0%
0708-Computer Infrastructure and Support	10	9	10	29	-	0%
1030-Graphic Art and Design	9	9	11	29	2	22%
2205-History	4	11	9	24	5	125%
0506-Business Management	7	11	4	22	(3)	-43%
0509-Marketing and Distribution	6	6	10	22	4	67%
0707-Computer Software Development	4	11	7	22	3	75%
0706-Computer Science (Transfer)	-	7	13	20	13	-
0602-Journalism	5	5	7	17	2	40%
0612-Film Studies	3	8	2	13	(1)	-33%
1004-Music	8	2	3	13	(5)	-63%
1262-Massage Therapy	4	2	6	12	2	50%
0614-Digital Media	3	3	4	10	1	33%

TOP Code-Program	Academic Year			Three Year Statistics		
	2014-15	2015-16	2016-17	Total Count	Change	Percent Change
0303-Environmental Technology	2	2	4	8	2	100%
1011-Photography	5	-	1	6	(4)	-80%
2210-International Studies	2	3	1	6	(1)	-50%
0301-Environmental Science	3	2	-	5	(3)	-100%
0946-Environmental Control Technology	4	1	-	5	(4)	-100%
1012-Applied Photography	3	-	2	5	(1)	-33%
0115-Natural Resources	2	-	2	4	-	0%
1002-Art	1	1	2	4	1	100%
1205-Medical Laboratory Technology	1	1	2	4	1	100%
2203-Ethnic Studies	-	1	2	3	2	-
0953-Drafting Technology	2	-	-	2	(2)	-100%
0511-Real Estate	-	-	1	1	1	-
1001-Fine Arts	-	1	-	1	-	-

**Appendix A.2**

**De Anza College, Degrees: Student Headcount by Title, Degree Type and Academic Year, 2014-15 to 2016-17**

Degree Title	Degree Type	Academic Year			Three Year Statistics		
		2014-15	2015-16	2016-17	Total Count	Change	Percent Change
Liberal Arts: Social and Behavioral Sciences Emphasis	AA	346	341	345	1,032	(1)	0%
Liberal Arts: Science, Math and Engineering Emphasis	AA	275	250	341	866	66	24%
Liberal Arts: Business and Computer Information Systems Emphasis	AA	289	257	283	829	(6)	-2%
Business Administration	AS-T	151	225	285	661	134	89%
Liberal Arts: Arts and Letters Emphasis	AA	127	110	142	379	15	12%
Registered Nurse	AS	50	48	56	154	6	12%
Communication Studies	AA-T	23	45	65	133	42	183%
Paralegal Studies	AA	57	40	35	132	(22)	-39%
Business Administration	AA	33	43	28	104	(5)	-15%
Kinesiology	AA-T	23	31	44	98	21	91%
Accounting	AA	26	33	36	94	10	38%
Biological Sciences	AS	24	31	29	84	5	21%
Administration of Justice	AS-T	15	25	35	75	20	133%
English	AA	21	26	22	69	1	5%
Sociology	AA-T	11	21	36	68	25	227%
Film/TV: Production	AA	22	23	16	61	(6)	-27%
Child Development	AA	20	18	19	57	(1)	-5%
Political Science	AA-T	9	12	36	57	27	300%
Mathematics	AS-T	17	17	16	50	(1)	-6%
Automotive Chassis and Powertrain	AS	17	16	10	43	(7)	-41%
Law Enforcement	AA	16	11	16	43	-	0%
Automotive Engine Performance	AS	14	17	8	39	(6)	-43%
Automotive Machining and Engine Repair	AS	14	14	8	35	(6)	-43%
Early Childhood Education	AS-T	3	9	22	34	19	633%
Graphic Design	AA	7	9	11	27	4	57%
Medical Assisting	AA	11	9	6	26	(5)	-45%
Speech Communication	AA	9	7	9	25	-	0%
History	AA-T	4	11	9	24	5	125%
English	AA-T	-	6	17	23	17	
Management	AA	7	11	4	22	(3)	-43%

Degree Title	Degree Type	Academic Year			Three Year Statistics		
		2014-15	2015-16	2016-17	Total Count	Change	Percent Change
Marketing Management	AA	6	6	10	22	4	67%
Accounting: Taxation	AA	8	6	6	20	(2)	-25%
Computer Science	AS-T	-	7	13	20	13	
Advanced Engine Performance Technology	AS	6	6	8	20	2	33%
CNC Machinist	AS	5	5	7	17	2	40%
CNC Research and Development Machinist	AS	6	6	5	17	(1)	-17%
Journalism	AA	5	4	7	16	2	40%
Systems Programming	AA	4	6	6	16	2	50%
Film/TV: Screenwriting	AA	3	8	2	13	(1)	-33%
Enterprise Security Professional	AA	4	4	5	13	1	25%
Network Administration	AA	4	4	5	13	1	25%
Music	AA	8	2	3	13	(5)	-63%
Massage Therapy	AA	4	2	6	12	2	50%
Film/TV: Animation	AA	3	3	4	10	1	33%
Automotive Powertrain Technology	AS	3	3	4	10	1	33%
Environmental Resource Management and Pollution Prevention	AA	2	2	4	8	2	100%
Interactive Design	AA	7	-	-	7	(7)	-100%
Business Programming	AA	-	5	1	6	1	
Automotive Machining and Engine Repair Technology	AS	2	1	3	6	1	50%
Product Model Making	AS	2	3	1	6	(1)	-50%
Photographic Arts	AA	5	-	1	6	(4)	-80%
Global Studies	AA	2	3	1	6	(1)	-50%
Biodiversity Specialist	AA	3	2	-	5	(3)	-100%
Energy Management and Building Science	AA	4	1	-	5	(4)	-100%
Professional Photography	AA	3	-	2	5	(1)	-33%
Medical Assisting	AS	-	-	5	5	5	
Corrections/Probation	AA	2	1	2	5	-	0%
Private Security	AA	2	-	3	5	1	50%
Wildlife Science Technician	AA	2	-	2	4	-	0%
Medical Laboratory Technology	AA	1	1	2	4	1	100%
LVN Transition to Registered Nurse	AS	4	-	-	4	(4)	-100%

Degree Title	Degree Type	Academic Year			Three Year Statistics		
		2014-15	2015-16	2016-17	Total Count	Change	Percent Change
Network Programming	AA	2	1	-	3	(2)	-100%
Intercultural Studies	AA	-	1	2	3	2	
Journalism	AA-T	-	1	1	2	1	
Automotive Engine Performance	AA	2	-	-	2	(2)	-100%
Computer Aided Dsgn-Mechanical	AS	2	-	-	2	(2)	-100%
Art: Ceramics	AA	1	-	1	2	-	0%
Real Estate	AA	-	-	1	1	1	
Automotive Chassis and Powertrain	AA	1	-	-	1	(1)	-100%
Art History	AA	-	1	-	1	-	
Art: Painting	AA	-	-	1	1	1	
Art: Sculpture	AA	-	1	-	1	-	

**Appendix A.3**

**De Anza College, Certificate-Only Students: Headcount by Program, 2014-15 to 2016-17**

TOP Code-Program	Academic Year			Three Year Statistics		
	2014-15	2015-16	2016-17	Total Count	Change	Percent Change
0948-Automotive Technology	63	50	42	124	-21	-33%
1305-Child Development/Early Care and Education	28	34	54	114	26	93%
1205-Medical Laboratory Technology	43	24	45	112	2	5%
1208-Medical Assisting	30	32	38	97	8	27%
0502-Accounting	27	30	40	96	13	48%
0956-Manufacturing and Industrial Technology	25	31	33	86	8	32%
0506-Business Management	15	24	20	59	5	33%
0707-Computer Software Development	16	13	28	56	12	75%
0505-Business Administration	16	16	12	44	-4	-25%
1402-Paralegal	17	14	11	42	-6	-35%
1030-Graphic Art and Design	11	5	9	24	-2	-18%
1506-Speech Communication	10	5	7	22	-3	-30%
0708-Computer Infrastructure and Support	4	9	6	19	2	50%
0953-Drafting Technology	7	6	5	18	-2	-29%
0604-Radio and Television	3	6	8	17	5	167%
2199-Other Public and Protective Services	2	8	7	17	5	250%
1012-Applied Photography	4	5	6	15	2	50%
1262-Massage Therapy	5	3	7	15	2	40%
0303-Environmental Technology	4	3	3	10	-1	-25%
0946-Environmental Control Technology	0	7	2	9	2	
0115-Natural Resources	2	4	2	8	0	0%
0509-Marketing and Distribution	2	3	2	7	0	0%
1107-Chinese	0	2	3	5	3	
0511-Real Estate	1	1	2	4	1	100%
0607-Technical Communication	2	0	0	2	-2	-100%
1107-Chinese	0	0	1	1	1	-



**Appendix A.4**

**De Anza College, Certificate-Only Students: Headcount by Certificate Title and Academic Year, 2014-15 to 2016-17**

Certificate Title	Units	Academic Year			Three Year Statistics		
		2014-15	2015-16	2016-17	Total Count	Change	Percent Change
Phlebotomy Technician I	18-23	41	20	41	102	0	0%
Child Development	24-26	16	23	49	88	33	206%
Accounting	24-26	19	21	35	75	16	84%
CNC Machinist	18-23	24	25	26	75	2	8%
Project Management Practitioner	18-23	10	18	18	46	8	80%
Paralegal Studies	45-89	17	14	11	42	-6	-35%
Business Administration	18-23	11	14	12	37	1	9%
Advanced Engine Performance Technology	18-23	18	9	4	31	-14	-78%
Lab Assisting	24-26	11	11	9	31	-2	-18%
Programming in C/C++	18-23	9	5	14	28	5	56%
Intermediate Engine Performance Technology	18-23	16	8	4	28	-12	-75%
Basic Engine Performance Technology	18-23	12	10	4	26	-8	-67%
Automotive Engine Performance	27-44	10	6	10	26	0	0%
Automotive Machining and Engine Repair	27-44	11	11	4	26	-7	-64%
Insurance and Coding	24-26	10	8	8	26	-2	-20%
Automotive Chassis and Powertrain	27-44	11	10	3	23	-8	-73%
Graphic Design	18-23	10	5	8	23	-2	-20%
Speech Communication	18-23	10	5	7	22	-3	-30%
Medical Assisting	45-89	7	6	6	19	-1	-14%
Computer Aided Design - Mechanical	18-23	7	6	5	18	-2	-29%
Accounting	45-89	5	6	6	17	1	20%
CNC Programming - CAD-CAM	18-23	4	8	5	17	1	25%
Child Development	18-23	8	8	1	17	-7	-88%
Leadership and Social Change	18-23	2	8	7	17	5	250%
Medical Reception	18-23	5	7	4	16	-1	-20%
Professional Photography	18-23	4	5	6	15	2	50%
Business Office Clerk	18-23	3	3	9	15	6	200%
Medical Records Clerk	18-23	5	2	8	15	3	60%
Massage Therapy	24-26	5	3	7	15	2	40%
Web Development	18-23	3	2	9	14	6	200%

Certificate Title	Units	Academic Year			Three Year Statistics		
		2014-15	2015-16	2016-17	Total Count	Change	Percent Change
Medical File Clerk	18-23	1	3	10	14	9	900%
Film/TV: Production	24-26	1	5	7	13	6	600%
Enterprise Security Professional	24-26	4	7	2	13	-2	-50%
Automotive Chassis Technology	18-23	6	1	6	13	0	0%
UNIX/LINUX Operating System	18-23	7	3	1	11	-6	-86%
Environmental Resource Management and Pollution Prevention	18-23	4	3	3	10	-1	-25%
Smog Technician	18-23	4	5	1	10	-3	-75%
Entrepreneurship	24-26	3	4	2	9	-1	-33%
Programming in JAVA	18-23	3	1	5	9	2	67%
Energy Management and Building Science	24-26	0	7	2	9	2	
Early Childhood Mental Health	18-23	4	2	3	9	-1	-25%
Wildlife Science Technician	24-26	2	4	2	8	0	0%
Bookkeeping	18-23	3	2	3	8	0	0%
Business Administration	27-44	5	2	0	7	-5	-100%
Marketing Management	24-26	2	2	2	6	0	0%
Film/TV: Production	18-23	3	2	1	6	-2	-67%
Network Administration	18-23	2	1	3	6	1	50%
Automotive Machining and Engine Repair Technology	18-23	0	1	5	6	5	
Advanced Engine Performance Technology	27-44	5	1	0	6	-5	-100%
Automotive Chassis and Powertrain	45-89	0	0	6	6	6	
Clinical Laboratory Assistant	24-26	0	3	3	6	3	
Accounting: Taxation Management	45-89	0	3	2	5	2	
Management	24-26	2	3	0	5	-2	-100%
Automotive Machining and Engine Repair	45-89	0	0	5	5	5	
Mandarin	18-23	0	2	3	5	3	
Medical Reception	24-26	0	0	5	5	5	
Programming in Perl	18-23	3	1	0	4	-3	-100%
Enterprise Security Professional	45-89	1	2	1	4	0	0%

Certificate Title	Units	Academic Year			Three Year Statistics		
		2014-15	2015-16	2016-17	Total Count	Change	Percent Change
Automotive Powertrain Technology	18-23	2	2	0	4	-2	-100%
CNC Research and Development Machinist	45-89	0	1	3	4	3	
Medical Laboratory Technology	45-89	2	1	1	4	-1	-50%
Business Office Clerk	9-23	4	0	0	4	-4	-100%
Medical File Clerk	9-23	4	0	0	4	-4	-100%
Medical Transcription	24-26	1	2	1	4	0	0%
Child Development	45-89	0	3	1	4	1	
Bookkeeping	24-26	3	0	0	3	-3	-100%
Tax Practitioner	45-89	1	2	0	3	-1	-100%
Film/TV: Production	27-44	0	1	2	3	2	
Manufacturing Systems Technician	18-23	1	1	1	3	0	0%
Graphic Design	45-89	1	0	2	3	1	100%
Real Estate	24-26	0	0	2	2	2	
Real Estate	45-89	1	1	0	2	-1	-100%
Technical Writing	18-23	2	0	0	2	-2	-100%
Network Basics	9-23	0	0	2	2	2	
Database Design for Developers (Oracle)	24-26	0	2	0	2	0	
Automotive Powertrain Technology	27-44	1	1	0	2	-1	-100%
CNC Machinist	27-44	1	0	1	2	0	0%
Product Model Making	27-44	0	0	2	2	2	
CNC Machinist	45-89	0	0	2	2	2	
Child Development	27-44	0	0	2	2	2	
Environmental Resource Management and Pollution Prevention	27-44	0	1	0	1	0	
Marketing Management	27-44	0	1	0	1	0	
Film/TV: Production	45-89	0	1	0	1	0	
Systems Programming	45-89	0	1	0	1	0	
Automotive Chassis Technology	45-89	1	0	0	1	-1	-100%
Mandarin	27-44	0	0	1	1	1	
Medical Records Clerk	24-26	0	0	1	1	1	
Massage Therapy	27-44	1	0	0	1	-1	-100%

Appendix D.1

De Anza College: Student Headcount by Award Type, Academic Year and Age Group

Age Group	2014-15			2015-16			2016-17		
	Count	Perct	Cum Perc	Count	Perct	Cum Perc	Count	Perct	Cum Perc
	<b>Degrees</b>								
19 or Less	60	4%	4%	66	4%	4%	97	6%	6%
20 to 24	824	57%	61%	906	60%	64%	1,052	60%	65%
25 to 29	289	20%	81%	276	18%	83%	311	18%	83%
30 to 34	126	9%	90%	117	8%	90%	136	8%	91%
35 to 39	60	4%	94%	59	4%	94%	54	3%	94%
40 to 44	34	2%	96%	28	2%	96%	41	2%	96%
45 to 49	29	2%	98%	23	2%	98%	28	2%	98%
50 or more	29	2%	100%	35	2%	100%	37	2%	100%
Total	1,451	100%		1,510	100%		1,756	100%	

Age Group	2014-15			2015-16			2016-17		
	Count	Perct	Cum Perc	Count	Perct	Cum Perc	Count	Perct	Cum Perc
	<b>Certificates</b>								
19 or Less	7	2%	2%	5	2%	2%	6	2%	2%
20 to 24	74	23%	25%	74	23%	24%	74	20%	21%
25 to 29	77	24%	50%	61	19%	43%	79	21%	42%
30 to 34	37	12%	61%	53	16%	59%	65	17%	60%
35 to 39	27	8%	70%	41	13%	72%	52	14%	74%
40 to 44	31	10%	79%	28	9%	81%	40	11%	84%
45 to 49	21	7%	86%	20	6%	87%	15	4%	88%
50 or more	45	14%	100%	43	13%	100%	44	12%	100%
Total	319	100%		325	100%		375	100%	

Age Group	2014-15			2015-16			2016-17		
	Count	Perct	Cum Perc	Count	Perct	Cum Perc	Count	Perct	Cum Perc
	<b>College</b>								
19 or Less	11,161	32%	32%	10,799	33%	33%	10,116	31%	31%
20 to 24	12,160	35%	68%	11,834	36%	69%	11,735	36%	68%
25 to 29	4,541	13%	81%	4,225	13%	82%	4,188	13%	81%
30 to 34	2,104	6%	87%	2,021	6%	88%	2,056	6%	87%
35 to 39	1,273	4%	91%	1,171	4%	91%	1,234	4%	91%
40 to 44	911	3%	93%	820	2%	94%	816	3%	93%
45 to 49	711	2%	95%	646	2%	96%	654	2%	95%
50 or more	1,588	5%	100%	1,423	4%	100%	1,458	5%	100%
Not Reported	-	0%	100%	1	0%	100%	-	0%	100%
Total	34,449	100%		32,940	100%		32,257	100%	

**Appendix D.2**

**De Anza College: Student Headcount by Award Type, Academic Year and Race/Ethnic Group**

	2014-15		2015-16		2016-17	
	Count	Perct	Count	Perct	Count	Perct
<b>Race/Ethnic Group</b>	<b>Degrees</b>					
Amer Ind/Alaskan Native	-	0%	4	0%	-	0%
Asian	496	34%	504	33%	657	37%
Black or African American	55	4%	43	3%	54	3%
Hispanic	369	25%	414	27%	482	27%
Pacific Islander	4	0%	6	0%	13	1%
White or Caucasian	335	23%	354	23%	329	19%
Multiple Race	67	5%	68	5%	83	5%
Foreign/International	109	8%	109	7%	124	7%
Not Reported	16	1%	8	1%	14	1%
Total	1,451	100%	1,510	100%	1,756	100%

	2014-15		2015-16		2016-17	
	Count	Perct	Count	Perct	Count	Perct
<b>Race/Ethnic Group</b>	<b>Certificates</b>					
Amer Ind/Alaskan Native	0	0%	0	0	0	0
Asian	130	41%	130	40%	152	41%
Black or African American	10	3%	8	2%	5	1%
Hispanic	59	18%	70	22%	77	21%
Pacific Islander	0	0%	0	0%	1	0%
White or Caucasian	91	29%	88	27%	109	29%
Multiple Race	9	3%	9	3%	10	3%
Foreign/International	16	5%	12	4%	14	4%
Not Reported	4	1%	8	2%	7	2%
Total	319	100%	325	100%	375	100%

	2014-15		2015-16		2016-17	
	Count	Perct	Count	Perct	Count	Perct
<b>Race/Ethnic Group</b>	<b>College</b>					
Amer Ind/Alaskan Native	58	0%	55	0%	48	0%
Asian	12,949	38%	12,316	37%	12,234	38%
Black or African American	1,146	3%	1,067	3%	971	3%
Hispanic	8,388	24%	8,203	25%	8,238	26%
Pacific Islander	136	0%	135	0%	144	0%
White or Caucasian	7,243	21%	6,700	20%	6,324	20%
Multiple Race	1,586	5%	1,456	4%	1,477	5%
Foreign/International	2,687	8%	2,735	8%	2,556	8%
Not Reported	256	1%	273	1%	265	1%
Total	34,449	100%	32,940	100%	32,257	100%

**Appendix D.3**

**De Anza College: Student Headcount by Award Type, Academic Year and Gender Group**

	2014-15		2015-16		2016-17	
	Count	Perct	Count	Perct	Count	Perct
<b>Gender</b>	<b>Degrees</b>					
Female	781	54%	838	55%	952	54%
Male	667	46%	669	44%	796	45%
Not Reported	3	0%	3	0%	8	0%
Total	1,451	100%	1,510	100%	1,756	100%

	2014-15		2015-16		2016-17	
	Count	Perct	Count	Perct	Count	Perct
<b>Gender</b>	<b>Certificates</b>					
Female	173	54%	163	50%	225	60%
Male	145	45%	162	50%	146	39%
Not Reported	1	0%	-	0%	4	1%
Total	319	100%	325	100%	375	100%

	2014-15		2015-16		2016-17	
	Count	Perct	Count	Perct	Count	Perct
<b>Gender</b>	<b>College</b>					
Female	16,960	49%	16,177	49%	16,075	50%
Male	17,309	50%	16,530	50%	15,948	49%
Not Reported	180	1%	233	1%	234	1%
Total	34,449	100%	32,940	100%	32,257	100%