

Foothill College: Academic Program Awards and Related Student Headcount, 2013-14 to 2015-16

Introduction

The following document summarizes data in the 2015-16 MIS SP report¹ for Foothill College, which was submitted to the California Community College Chancellor's Office (CCCCO) on September of 2016. The MIS SP report allows analysts to identify students who were awarded any degree or certificate at a community college during a specific academic year, the area of studies for the award, and the title for the award (only those approved by CCCCO). This document also includes related statistics for the two prior academic years to help readers construct a frame of reference to help identify (1) data issues in the report; (2) 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) preliminary figures to help validate data for related reports (e.g., IPEDS², Gainful Employment³).

Procedures

For degrees, award and student headcount figures were calculated at three levels: degree type (i.e., associate in arts, associate in arts for transfer, associate in science, and associate in science for transfer), program area (as identified by the first four characters od TOP⁴ code for the program), and program title as stated in

¹ For more information, visit:

 $http://extranet.cccco.edu/Divisions/TechResearchInfoSys/MIS/DED/StudentProgramAward.as\ px$

Information about IPEDS can be found at: http://nces.ed.gov/ipeds/.

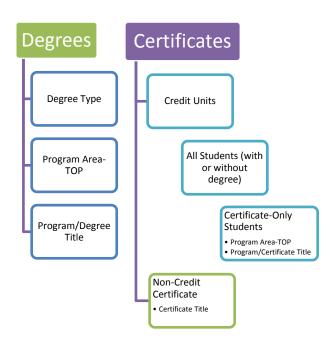
³ Information about Gainful Employment can be found at: https://ifap.ed.gov/GainfulEmploymentInfo/indexV2.html.

⁴ 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: http://extranet.cccco.edu/Portals/1/AA/Credit/2013Files/TOPmanual6_2009_09corrected_12. 5.13.pdf.

the CCCCO curriculum inventory.⁵ For certificates not approved (not available in the inventory), the title provided by in the information system (i.e., Banner, SMRPRLE screen) was used instead.

Specific to certificates, figures are provided by certificate type, based on the number of units, for two groups: (1) all students who were awarded a certificate, independently of being also awarded a degree during the same year, and (2) for certificate-only students, which excludes students who earned a degree during the same year at the college. For the certificate-only students (i.e., applicable for Gainful Employment reports), data is also provided at the program area and certificate title levels. For non-credit credit certificates, headcount figures are provided by program title. See Figure 1 for an illustration of how the data was segregated for the analyses.

Figure 1. Data Segregation for Calculating Awards and Student Headcount Statistics for Degree and Certificates



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⁵ Titles in the CCCCO Curriculum Inventory were used to encourage users to become familiar with on this system. More information available at: http://curriculum.cccco.edu/. Also, using formal titles avoids creating duplicated records for what is essentially the same program.

Findings

- Data on Table D1 shows a 45% (654 to 947) increase in the number of students who were awarded a degree at Foothill College, compared to the number for 2013-14. The largest increase was for the associate degree in arts for transfer, which showed a 503% increase (40 to 241).
- There is no evidence that the significant increase in degrees shown in Table
 D1 (45% increase) is mainly due to the processing of a backlog of degree
 applications. For students who attended the College the same academic year
 of the award, the headcount increase for degrees is four percentage points
 less or 41% (589 to 833).
- Table D3 shows figures for student headcount by academic year and area of studies, as indicated by the first four digits of program TOP code. The data in this table, which is in descending order of total headcount, shows that *Social Sciences* is the area with the most degrees reported, with a 98% increase (109 to 216) in the last three year. After taking into account total headcount and percent change, program areas showing a significant decline in the number of degrees include: *Dental Occupations* (-24%, 41 to 31), Animal Science (-26%, 35 to 26), Accounting (-26%, 31 to 23), and Radiologic Technology (-32%, 31 to 21).
- Data in Table 4 identifies the program areas in which some students had been awarded more than one degree within the last three academic years. At Foothill, the main areas of study where some students have been awarded more than one degree include *Psychology* (30), *Speech Communication* (14), and *Sociology* (12). Data in Table D5 suggest that for certain areas, such as *Psychology*, the coursework for some students may have been applicable to different type of degrees offered within the same area (e.g., the associate degree and the degree for transfer).
- In Table D5, student headcounts are provided by program title in the CCCCO curriculum inventory. Because the data refers to specific programs, including degree type, the figures may provide a more nuance picture of how the programs within the same area may be competing with each other or coalescing into one program. For instance, in the area of *Psychology* the degree for transfer showed significant increase in student headcount (211%,

28 to 87), while the regular associate for arts showed a decline (-35%, 52 to 34). The *Business Administration* area also shows a similar trend. As a program area, headcount figures for *Business Administration* more than doubled in the last three years. However, as the headcount for the degree-fortransfer increased during the last two years (319%, 16 to 67), the figures for the regular associate degree decreased (50%, 30 to 15) during the period. Another interesting fact shown by the data in this table is that the *Primary Care Associate*, which total costs for tuition and fees for California residents is estimated at more than \$50,000, is the program with the third largest student headcount (124) during the last three academic years at Foothill College.

- For non-degree program or certificates, data in Table C1 show headcounts for all students, independently of whether they were also awarded a degree.
 Table C2 includes only those students who were not awarded a degree during the same year they were awarded the certificate.
- Data in Table C1 show a decline of 1% (529 from 534) for the number of students who were awarded a certificate in 2015-16, when compared to the number for 2013-14. For students who were awarded only certificates during the academic year, certificate-only students, headcount figures showed a decline of 8% (325 from 343).
- Data in Table C3 show headcount figures for certificate-only students by program area. In this table, the data show that the area of *General Liberal Arts and Sciences* accounted for more than 85% (875 of 1021) of all certificate-only students for the last three academic years. This area, which relates to transfer studies, showed a decline in student headcount of 7% (300 to 280) between 2014-15 and 2015-16. In specific, data in Table C4 show a decline of 2% for *IGETC* (266 to 261) and a 44% decline for *CSU Education-Breadth* (34 to 19).
- None of the certificates in Table C4 has a student headcount of at least ten for 2015-16, or the sample size required for computing statistics related to ontime completion and debt amount for Gainful Employment disclosures.
- Regarding non-credit certificates, only data for the last two academic years were used to calculate headcount change and headcount percent change because in 2013-14 data were submitted for only one of the non-credit

programs. For the two non-credit programs at Foothill, data in Table C5 show a decline in headcount for the last two academic years in both areas:

Mathematical Foundations (8%, 23 from 25) and Geriatric Home Aide (22%, 29 from 37).

Table D1. Foothill College: Award Count and Headcount by Degree Type and Academic Year, 2013-14 to 2015-16

			Academ	Three-Year Statistics						
	201	3-14	201	4-15	201	5-16	Count Change		Percent	t Change
Degree Type	Awards	Students	Awards	Students	Awards	Students	Awards	Students	Awards	Students
Associate in Arts	404	365	391	346	458	426	54	61	13%	17%
Associate in Arts-Transfer	40	40	119	114	254	241	214	201	535%	503%
Associate in Science	266	260	313	306	286	276	20	16	8%	6%
Associate in Science-Transfer	-	-	22	22	101	99	101	99	-	-
Total	710	654	845	754	1,099	947	389	293	55%	45%

Three-Year Statistics: Count Change and Percent Change relate to figures for 2013-14 and 2015-16.

The data showed an increase of 45% for the number of students who earned a degree in 2015-16 at Foothill College, compared to the number for 2013-14. Associate degrees for transfer accounted for about 33% of all degrees awarded in 2015-16 at Foothill College, almost double the percentage figure for 2014-15 (17%).

Table D2. Foothill College: Headcount for Students who earned at least one Degree by Academic Year and Last Year of Attendance at the College

		Aca						
	201	3-14	201	4-15	201	.5-16	Three-Yea	r Statistics
Last Year for College Attendance	Count	Percent	Count	Percent	Count	Percent	Count Change	Percent Change
Prior Academic Year	65	10%	57	8%	114	12%	49	75%
Current Academic Year	589	90%	697	92%	833	88%	244	41%
Total	654	100%	754	100%	947	100%	293	45%

Prior Academic Year: Students who were awarded at least one degree during the academic year, but the last term they attended the college was during a prior academic year.

Current Academic Year: Students who attended the college during the academic year they were awarded the degree. They may have continued attending the college after the degree was awarded.

Three-Year Statistics: Count Change and Percent Change relate to figures for 2013-14 and 2015-16.

Table D3. Foothill College: Headcount by Degree Program Area and Academic Year, 2013-14 to 2015-16

	A	cademic Ye	ar	Three-	Year Statis	tics
				Total		Percent
TOP Code-Program	2013-14	2014-15	2015-16	Headcount	Change	Change
2201-Social Sciences	109	103	216	428	107	98%
2001-Psychology	76	83	106	261	30	39%
0505-Business Administration	38	44	80	162	42	111%
1506-Speech Communication	36	45	69	149	33	92%
1206-Physician's Assistant	35	41	48	124	13	37%
2208-Sociology	21	50	51	120	30	143%
1240-Dental Occupations	41	37	31	107	-10	-24%
0102-Animal Science	35	37	26	98	-9	-26%
0502-Accounting	31	31	23	85	-8	-26%
4902-Biological and Physical Sciences (and						
Mathematics)	17	36	24	77	7	41%
1210-Respiratory Care/Therapy	21	25	25	71	4	19%
1225-Radiologic Technology	31	19	21	71	-10	-32%
2204-Economics	11	20	41	71	30	273%
1305-Child Development/Early Care and						
Education	14	13	22	49	8	57%
1227-Diagnostic Medical Sonography	17	15	16	48	-1	-6%
0706-Computer Science (Transfer)	9	12	25	45	16	178%
1221-Pharmacy Technology	13	20	10	43	-3	-23%
1701-Mathematics	4	14	24	41	20	500%
0401-Biology	9	15	13	37	4	44%
2202-Anthropology	9	14	14	37	5	56%

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	A	cademic Ye	ar	Three-	Year Statis	stics
				Total		Percent
TOP Code-Program	2013-14	2014-15	2015-16	Headcount	Change	Change
1005-Commercial Music	11	15	9	35	-2	-18%
1251-Paramedic	9	14	11	34	2	22%
0109-Horticulture	9	10	14	33	5	56%
1030-Graphic Art and Design	11	8	13	32	2	18%
1002-Art	10	9	12	31	2	20%
2205-History	6	9	11	26	5	83%
1501-English	11	5	9	25	-2	-18%
2207-Political Science	6	7	11	23	5	83%
1007-Dramatic Arts	4	6	8	18	4	100%
0835-Physical Education	7	6	4	17	-3	-43%
0901-Engineering	6	6	5	17	-1	-17%
1004-Music	5	4	7	16	2	40%
1011-Photography	7	4	4	15	-3	-43%
1270-Kinesiology	0	5	10	15	10	-
1108-Japanese	1	5	8	14	7	700%
1105-Spanish	2	3	7	12	5	250%
1228-Athletic Training and Sports Medicine	2	7	2	11	0	0%
0809-Special Education	5	3	1	9	-4	-80%
1902-Physics	3	3	3	9	0	0%
0508-International Business and Trade	2	3	3	8	1	50%
1905-Chemistry	0	2	6	8	6	
1006-Technical Theater	0	3	4	7	4	-
1401-Law	4	1	0	5	-4	-100%

	A	cademic Ye	ar	Three-	Year Statis	stics
TOP Code-Program	2013-14	2014-15	2015-16	Total Headcount	Change	Percent Change
2206-Geography	2	2	1	5	-1	-50%
4903-Humanities	2	1	2	5	0	0%
1509-Philosophy	1	2	1	4	0	0%
0511-Real Estate	0	1	1	2	1	-
0708-Computer Infrastructure and Support	0	2	0	2	0	-
0999-Other Engineering and Related Industrial Technologies	2	0	0	2	-2	-100%
1001-Fine Arts	0	1	1	2	1	
0707-Computer Software Development	1	0	0	1	-1	-100%
0952-Construction Crafts Technology	0	1	0	1	0	

Three-Year Statistics: *Count Change* and *Percent Change relate to* figures for 2013-14 and 2015-16. TOP: Taxonomy of Programs where programs are classified by discipline (first two digits) and area (first four digits).

Table D4. Foothill College: Headcount for Program Areas with Students Awarded More than One Degree between 2013-14 to 2015-16

	8.6 111.1.
	Multiple
	Degree
	Student
TOP Code-Program	Headcount
2001-Psychology	30
1506-Speech Communication	14
2208-Sociology	12
0505-Business Administration	6
0706-Computer Science (Transfer)	6
1701-Mathematics	4
2207-Political Science	3
2205-History	3
1240-Dental Occupations	2
1002-Art	2
0809-Special Education	1
2204-Economics	1
2202-Anthropology	1
1902-Physics	1

Table D4 identifies the program areas with students who were awarded more than one degree (different degrees, same program area) at the College during the last three academic years.

Table D5. Foothill College: Headcount by Program Title, Degree Type, and Academic Year, 2013-14 to 2015-16

		Ac	ademic Ye	ar	Three-	Year Statis	tics
Program Title	Degree Type	2013-14	2014-15	2015-16	Total Headcount	Change	Percent Change
General Studies/Social Science	AA	109	103	216	428	107	98%
Psychology	AA-T	28	55	87	170	59	211%
Primary Care Associate	AS	35	41	48	124	13	37%
Psychology	AA	52	35	34	121	-18	-35%
Communication Studies	AA	36	42	30	108	-6	-17%
Veterinary Technology	AS	35	37	26	98	-9	-26%
Accounting	AA	31	31	23	85	-8	-26%
Business Administration	AS-T	0	16	67	83	67	ı
Business Administration	AA	38	30	15	83	-23	-61%
General Studies: Science	AS	17	36	24	77	7	41%
Respiratory Therapy	AS	21	25	25	71	4	19%
Radiologic Technology	AS	31	19	21	71	-10	-32%
Sociology	AA-T	10	30	28	68	18	180%
Dental Hygiene	AS	25	23	20	68	-5	-20%
Sociology	AA	11	28	25	64	14	127%
Communication Studies	AA-T	0	4	51	55	51	1
Diagnostic Medical Sonography	AS	17	15	16	48	-1	-6%
Pharmacy Technician	AS	13	20	10	43	-3	-23%
Economics	AA-T	0	8	34	42	34	-
Child Development Teacher	AA	14	13	15	42	1	7%
Dental Assisting	AS	16	14	11	41	-5	-31%

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		Ad	ademic Ye	ar	Three-	Year Statis	tics
	Degree				Total		Percent
Program Title	Туре	2013-14	2014-15	2015-16	Headcount	Change	Change
Computer Science	AS	9	9	20	38	11	122%
Biological Sciences	AS	9	15	13	37	4	44%
Music Technology	AA	11	15	9	35	-2	-18%
Paramedic	AS	9	14	11	34	2	22%
Environmental Horticulture &							
Design	AS	9	10	14	33	5	56%
Graphic and Interactive Design	AA	11	8	13	32	2	18%
Economics	AA	11	12	7	30	-4	-36%
Mathematics	AS	4	12	11	27	7	175%
Art: General	AA	7	8	9	24	2	29%
Anthropology	AA	9	10	2	21	-7	-78%
Mathematics	AS-T	0	3	15	18	15	-
English	AA	10	2	6	18	-4	-40%
Anthropology	AA-T	0	4	13	17	13	-
Theatre Arts	AA	4	6	7	17	3	75%
Engineering	AS	6	6	5	17	-1	-17%
Physical Education	AA	7	6	4	17	-3	-43%
Music: General	AA	5	4	7	16	2	40%
Kinesiology	AA-T	0	5	10	15	10	-
History	AA-T	1	3	11	15	10	1000%
Traditional Photography	AA	7	4	4	15	-3	-43%
Japanese	AA	1	5	8	14	7	700%
History	AA	5	6	3	14	-2	-40%

		Ad	cademic Ye	ar	Three-	Year Statis	tics
	Degree				Total		Percent
Program Title	Туре	2013-14	2014-15	2015-16	Headcount	Change	Change
Computer Science	AS-T	0	3	10	13	10	-
Political Science	AA-T	0	2	11	13	11	-
Political Science	AA	6	6	1	13	-5	-83%
Athletic Injury Care	AS	2	7	2	11	0	0%
Spanish	AA	2	1	6	9	4	200%
Chemistry	AS	0	2	6	8	6	-
Business International Studies	AA	2	3	3	8	1	50%
Physics	AS	3	3	2	8	-1	-33%
Theatre Technology	AA	0	3	4	7	4	-
Early Childhood Education	AS-T	0	0	7	7	7	-
English	AA-T	1	3	3	7	2	200%
Adaptive Fitness Therapy	AA	5	2	0	7	-5	-100%
Geography	AS	2	2	1	5	-1	-50%
General Studies: Humanities	AA	2	1	2	5	0	0%
Law & Society (Pre-Law)	AA	4	1	0	5	-4	-100%
Art History	AA	2	1	1	4	-1	-50%
Special Education	AA	0	2	1	3	1	-
Spanish	AA-T	0	2	1	3	1	-
Studio Art	AA	1	1	1	3	0	0%
Philosophy	AA	1	1	1	3	0	0%
Business Administration	AA-T	0	1	1	2	1	
Real Estate Broker	AA	0	1	1	2	1	-
Enterprise Networking	AS	0	2	0	2	0	-

		Ad	cademic Ye	ar	Three-	Year Statis	stics
Program Title	Degree Type	2013-14	2014-15	2015-16	Total Headcount	Change	Percent Change
Art History	AA-T	0	1	1	2	1	-
Studio Arts	AA-T	0	0	2	2	2	-
Physics	AS-T	0	0	2	2	2	-
Nanoscience	AS	2	0	0	2	-2	-100%
General Electrician	AS	0	1	0	1	0	-
Theatre Arts	AA-T	0	0	1	1	1	-
Philosophy	AA-T	0	1	0	1	0	-
Computer Software Development	AS	1	0	0	1	-1	-100%

Three-Year Statistics: *Count Change* and *Percent Change relate to* figures for 2013-14 and 2015-16. AA: Associate in Arts Degree AS-T: Associate in Arts Degree for Transfer

AS: Associate in Science

AS-T: Associate in Science for Transfer

Table C1. Foothill College, All Students: Award and Student Headcount for Non-Degree Programs or Certificates, 2013-14 to 2015-16

			Academ	Three-Year Statistics						
	201	2013-14 201		2014-15 2015-16		5-16	6 Count Change		Percent Change	
Certificate Units	Awards	Students	Awards	Students	Awards	Students	Awards	Students	Awards	Students
18-23	0	0	0	0	1	1	1	1	-	-
24-26	6	6	4	4	1	1	-5	-5	-83%	-83%
27-44	39	38	41	40	33	33	-6	-5	-15%	-13%
45-89	433	432	441	437	446	446	13	14	3%	3%
> 89	58	58	54	54	49	49	-9	-9	-16%	-16%
Total	536	534	540	534	530	529	-6	-5	-1%	-1%

All Students: Refers to students who during the academic year were awarded at least one certificate at the college, independently of whether they were also awarded a degree on the same academic year.

Three-Year Statistics: Count Change and Percent Change relate to figures for 2013-14 and 2015-16.

Table C2. Foothill College, Certificate-Only Students: Award Count and Headcount for Non-Degree Programs or Certificates, 2013-14 to 2015-16

			Academ	Three-Year Statistics						
	201	2013-14		2014-15		2015-16		Change	Percent Change	
Certificate Units	Awards	Students	Awards	Students	Awards	Students	Awards	Students	Awards	Students
18-23	0	0	0	0	1	1	1	1		
24-26	5	5	3	3	0	0	-5	-5	-100%	-100%
27-44	17	17	33	32	24	24	7	7	41%	41%
45-89	324	324	305	305	298	298	-26	-26	-8%	-8%
> 89	8	8	3	3	3	3	-5	-5	-63%	-63%
Total	354	354	344	343	326	325	-28	-29	-8%	-8%

Certificate-Only Students: Refers to students who during the academic year were awarded at least one certificate, but not a degree on the same academic year. Three-Year Statistics: *Count Change* and *Percent Change relate to* figures for 2013-14 and 2015-16.

Table C3. Foothill College, Certificate-Only Students: Headcount for Certificates by Program Area and Academic Year, 2013-14 to 2015-16

	Ac	ademic Ye	ar	Three-Year Statistics			
TOP Code-Program	2013- 14	2014- 15	2015- 16	Total Headcount	Change	Percent Change	
4901-General Liberal Arts and Sciences	300	296	280	875	-20	-7%	
2206-Geography	6	12	9	27	3	50%	
1221-Pharmacy Technology	12	3	9	24	-3	-25%	
1240-Dental Occupations	5	8	9	22	4	80%	
0109-Horticulture	7	5	7	19	0	0%	
0502-Accounting	1	7	3	11	2	200%	
1206-Physician's Assistant	7	1	3	11	-4	-57%	
1005-Commercial Music	3	3	3	9	0	0%	
0809-Special Education	6	2	0	8	-6	-100%	
1030-Graphic Art and Design	2	0	1	3	-1	-50%	
1227-Diagnostic Medical Sonography	1	2	0	3	-1	-100%	
1011-Photography	0	2	0	2	0	-	
1251-Paramedic	1	0	1	2	0	0%	
0430-Biotechnology and Biomedical Technology	1	0	0	1	-1	-100%	
0999-Other Engineering and Related Industrial Technologies	1	0	0	1	-1	-100%	
1002-Art	0	1	0	1	0	-	
1006-Technical Theater	0	1	0	1	0	-	
1305-Child Development/Early Care and Education	1	0	0	1	-1	-100%	

Table C4. Foothill College, Certificate-Only Students: Headcount by Certificate Title and Academic Year, 2013-14 to 2015-16

		Academic Year			2013-14 and 2015-16 Statistics			
Certificate Title	Units	2013-14	2014-15	2015-16	Total Headcount	Change	Percent Change	
IGETC	45-89	266	267	261	793	-5	-2%	
CSU General Education-Breadth	45-89	34	29	19	82	-15	-44%	
Advanced GIS	27-44	6	12	8	26	2	33%	
Pharmacy Technician	45-89	12	3	9	24	-3	-25%	
Dental Assisting	27-44	5	8	9	22	4	80%	
Environmental Horticulture & Design	45-89	7	5	7	19	0	0%	
Primary Care Associate	> 89	7	1	3	11	-4	-57%	
Accounting	27-44	1	6	2	9	1	100%	
Music Technology	27-44	3	1	3	7	0	0%	
Adaptive Fitness Therapy	24-26	5	2	0	7	-5	-100%	
Diagnostic Medical Sonography	> 89	1	2	0	3	-1	-100%	
Graphic and Interactive Design	45-89	2	0	1	3	-1	-50%	
Music Technology Pro Tools	27-44	0	2	0	2	0	-	
Photography	27-44	0	2	0	2	0	-	
Paramedic	45-89	1	0	1	2	0	0%	
Accounting	24-26	0	1	0	1	0	-	
Art: General	27-44	0	1	0	1	0	-	
Theatre Technology	45-89	0	1	0	1	0	-	
Digital Imaging II	27-44	0	1	0	1	0	-	
CPA Exam Preparation	27-44	0	0	1	1	1	-	
Geographic Information Systems	18-23	0	0	1	1	1	-	

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		Academic Year			2013-14 and 2015-16 Statistics			
Certificate Title	Units	2013-14	2014-15	2015-16	Total Headcount	Change	Percent Change	
Technology II								
Geographic Information Systems Technology I	27-44	0	0	1	1	1	-	
Biotechnology	45-89	1	0	0	1	-1	-100%	
Spec Education Paraprofessional	27-44	1	0	0	1	-1	-100%	
Nanoscience	27-44	1	0	0	1	-1	-100%	
CHDV Teacher	45-89	1	0	0	1	-1	-100%	

Three-Year Statistics: *Count Change* and *Percent Change relate to* figures for 2013-14 and 2015-16. TOP: Taxonomy of Programs where programs are classified by discipline (first two digits) and area (first four digits).

Table C5. Foothill College, Non-Credit Certificates: Headcount by Certificate Title and Academic Year, 2013-14 to 2015-16

		Academic Year					2014-15 to 2015-16 Statistics		
Certificate Title	Hours	2013-14	2014-15	2015-16	Total Headcount	Total Awards	Headcount Change	Headcount Percent Change	
Mathematical Foundations	60	0	25	23	48	48	-2	-8%	
Certificate of Completion in Geriatric Home Aide	104	29	37	29	95	95	-8	-22%	