

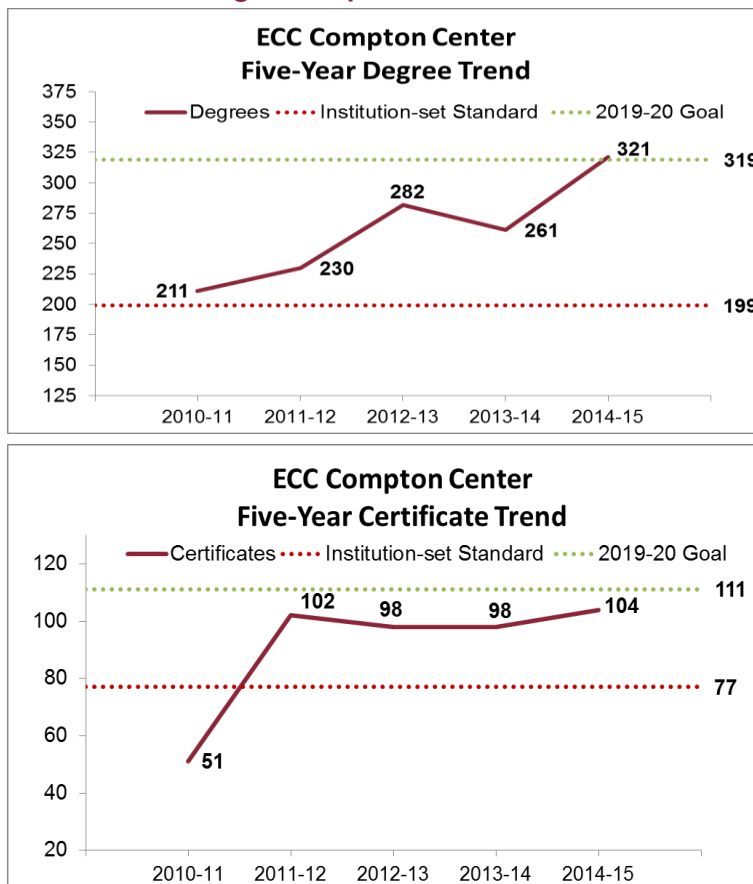
El Camino College Compton Center Degrees and Certificates Awarded Recent Trends (2010-2015)



Executive Summary

This report highlights the trends in degrees and certificates awarded by El Camino College Compton Center (Compton Center) for the academic years 2010-11 to 2014-15. These trends are discussed in relation to minimum standards set by the College. According to figure 1, awards have increased substantially during this five-year period overall. Compton Center shows a five-year growth of 52% for degrees awarded and 104% for certificates awarded (62% for all awards conferred). The number of degrees awarded continued to rise for the 2014-15 academic year, exceeding the institution-set standard for this measure, and expeditiously meeting the 2019-20 goal set by the College. The number of certificates also continued to rise, exceeding the institution-set standard for this measure, with the possibility of meeting the established goal by 2019-20.

Figure 1. Five-year Degree and Certificate Trends for El Camino College Compton Center



Degree Overview

Degrees were awarded in 37 different majors in 8 different divisions. Since the 2010-11 academic year, Compton Center has awarded an increasing number of degrees. 2013-14 was the first academic year in which there was not a uniform increase in degrees awarded, although the number of degrees is substantially greater than the 2010-11 year. When comparing 2013-14 to 2014-15, degree counts at Compton Center have increased by 23%. Currently, 2014-15 is the record year for the most degrees awarded, with 2012-13 awarding the second highest number (see Table 1).

Table 1. Degrees and Certificates Awarded (2010-2015)

Location	Award	2010-11*	2011-12	2012-13	2013-14	2014-15	5-year Change %
Compton Center	Degrees	211	230	282	261	321	52%
	Certificates	51	102	98	98	104	104%
Total Awards		262	332	380	359	425	62%

*Awards reported as of MIS Data Submission in Summer/Fall. Actual campus figures may be slightly different. Sources: CCC Chancellor's Office; El Camino College Admissions & Records; El Camino College Reporting Services. Note: Counts include multiple degrees and certificates awarded to students.

Additionally, 2014-15 is the third year in which Associate of Arts for Transfer (A.A.-T) degrees have been awarded and the first year for Associate of Science for Transfer (AS-T) degrees. The A.A.-T and the A.S.-T degrees allow students to more easily transfer to a California State University (CSU) major on their path to earning a bachelor's degree, although it does not guarantee admission to any specific CSU campus or program. Students with these degrees who are admitted to a CSU are allowed to complete the units necessary (within 60 units) to earn a bachelor's degree from that institution. Degrees were awarded from seven A.A.-T programs and six A.S.-T programs during the 2014-15 academic year (see tables 4 and 5 in Appendix A.)

Certificate Overview

Certain programs are offered as certificates (approved by the Chancellor's Office) according to the number of units a student completes. These certificates of achievement generally require 18 or more units of study and a grade point average (GPA) of 2.0 or greater, although there are Honors and High Honors certificates with more demanding GPA prerequisites. Students are also able to attempt certificates acknowledging their completion of a greater number of units (i.e., more than 30 or more than 60 units of study). Because of the various certificate requirements, students are able to receive multiple certificates emphasizing different fields of study.

According to table 1, the awarding of certificates has shown substantial improvement since 2010.

Initiative Overview

Compton Center maintains a number of academic initiatives that emphasize student success in specific fields of study and potential careers. These initiatives include programs focusing on Career and Technical Education (CTE); Science, Technology, Engineering, and Mathematics (STEM); and Science, Engineering, and Mathematics (SEM). CTE programs involve technical courses designed to prepare students for future careers by providing specified knowledge and skills that are directly transferrable to given professions and workplaces. CTE programs cover a variety of majors (e.g., nursing, architecture, childhood education), and some of the more technical programs also correspond to the STEM initiative. STEM programs consist of mathematics, natural sciences, and technical programs. By contrast, the SEM initiative focuses more on transfer programs for math and science and less on technical programs and certificates. The number of CTE and SEM total awards increased, while only STEM degrees increased in 2014-15. However, all degrees awarded under each initiative have increased over the past five years (see table 3).

Examination of Degrees and Certificates

For the 2014-15 academic year, the 425 awards distributed by El Camino College Compton Center consisted of 321 degrees and 104 certificates. In other words, 76% of the awards distributed were degrees and 24% of the awards were certificates. This is a similar pattern to the award distribution among Black and Latino students—two of the most represented ethnicities in the student population at ECC Compton Center—whose awards were 77% degrees and 23% certificates, respectively.

In Fall 2011, women enrolled in Compton Center at disproportionately higher rates (65%) compared to men, and they also received awards at higher rates in 2014-15. There were 149 awards distributed to male students: 64% were degrees and 36% were certificates. Additionally, there were 276 awards distributed to female students: 82% were degrees and 18% were certificates.

The majority of awards were received by Black and Latino students (combined 89%), which are two of the most represented ethnic groups on the campus (combined Fall 2011 enrollment: 84%). Latino students received the largest proportion of A.S. degrees (36%). Latino students received the majority of A.A. degrees (53%), which was disproportional compared to their 2011 enrollment (42%) but representative compared to their 2014 enrollment (53%). Combined, Black students and Latino students received approximately 88% of the certificates awarded.

Degrees

The number of degrees awarded at ECC Compton Center has been steadily increasing over the past five years, with the exception of the 2013-14 school year. 2014-15 denotes the highest number of degrees awarded for this period. When comparing 2014-15 to the previous year, there has been a 6% increase in A.A. degrees and a 12% decrease in A.S. degrees, but a 175% increase in A.A.-T degrees. The overall decrease in A.S degrees may be due to the newly offered A.S.-T degrees.

Table 2. El Camino College Compton Center Degree Awards by Type

Degree Type	2010-11	2011-12	2012-13	2013-14	2014-15	5-year change
A.A.	158	161	184	189	201	27%
A.A.-T	0	0	10	12	33	N/A
A.S.	53	69	88	60	53	0%
A.S.-T	0	0	0	0	34	N/A
Total	211	230	282	261	321	52%

Note: AA-T awards were not awarded until the 2012-13 academic year and AS-T awards were not awarded until the 2014-15 academic year

Compared to the previous year, the number of degrees awarded in 2014-15 by each division has increased, with exception of the Humanities Division. Further, the largest increase in degrees awarded was in the General Studies Division, awarding 22 more degrees than the previous year. For degree awards categorized by division and major, see Table 13 of Appendix A.

Further, female students received 70% of the degrees awarded, a relatively larger proportion than their Fall 2011 enrollment (65%). The largest gender disparity was in A.A. and A.A.-T degrees awarded (75% and 79% female respectively) and the smallest was in certificates awarded (49% female). Most of Compton Center's A.A.-T, A.S., and A.S.-T degrees were received by female students (79%, 55%, and 59% respectively), but the data do not clearly indicate whether this is due to a larger proportion of female students in the overall number of degree programs.

The majority of degrees awarded at Compton Center were received by students ranging from 25 to 49 years of age (45%) rather than students aged 20 to 24 (42%). Students aged 25 to 49 received 44% of all A.A. degrees as well as a majority of the A.S. degrees (72%). Students aged 20-24 received 61% of all A.A.-T degrees and 56% of degrees were received by students aged 20-24. The youngest degree recipient at Compton Center was 17 years old, and the oldest degree recipient was 77 years old. For a list of degree awards categorized by age group, see Table 8 of Appendix A.

Because the vast majority of degrees were received by Black and Latino students (i.e., both groups received a combined 90% of degrees), and the distribution of these awards by degree type is reported above, further examination of the degrees awarded across various ethnic groups is presented in Table 7 of Appendix A.

Certificates

There were 104 certificates awarded at Compton Center during the 2014-15 academic year, yielding a slight rise in the amount awarded compared to the previous year. The number of short-term certificates awarded decreased by 6% (i.e., 78 certificates compared to 83 certificates in the previous year). The number of long-term certificates increased by 73% (i.e., 26 certificates in 2014-15 compared to 15 certificates in 2013-14).

Compared to the previous year, the number of certificates awarded increased by 6%. Most notably, the number of Industry and Technology certificates increased from 38 to 53, but most divisions did not experience a change of more than a few degrees. There were greater fluctuations within specific programs (e.g., Administration of Justice awarded 4 certificates compared to 1 in the previous year, and Air Conditioning and Refrigeration awarded 37 certificates compared to 12 in the previous year). Table 14 of Appendix A lists certificates awarded by each division.

Almost all certificates were received by Black and Latino students (i.e., both groups received a combined 88% of certificates), with White, Asian and Pacific Islander students receiving the remaining 12%. Among Black students, 79% of the certificates received were short-term certificates, and among Latino students, 74% of the certificates received were short-term certificates. Analysis of the certificates awarded across various ethnic groups is presented in Table 7 of Appendix A.

Although female students enrolled at Compton Center at a higher rate in Fall 2011 (65%), male students received a relatively large proportion of certificates awarded in 2014-15 (51%). Most of the long-term certificates were received by male students (73%), however female students received most of the short-term certificates (56%).

The majority of certificates were received by students aged 25 to 49 years (42%), and the age groups “20-to-24” and “over 50” each received 37% and 20% respectively of certificates awarded at Compton Center. Most short-term certificates were awarded to students aged 20-24 and 25-49 (38% and 40% respectively). Students aged 25-49 received 50% of long term certificates. For a list of certificate awards categorized by age group, see Table 8 of Appendix A.

Initiatives

Compton Center experienced an increase in the number of initiative-related awards distributed during the 2014-15 academic year. Compared to the previous year, there were 19 more CTE degrees, five more STEM degrees, and five more SEM degrees awarded in 2014-15. In terms of percentages, this means there were 21% more CTE degrees, 250% more STEM degrees, and 500% more SEM degrees. There were seven more CTE certificates awarded, six fewer STEM certificates awarded, and no change in the number of SEM certificates awarded. This translates to an 8% increase in CTE certificates and an 85% decrease in STEM certificates. Overall, Compton Center has exhibited five-year growth under each initiative, mostly in terms of degrees awarded.

Table 3. ECC Compton Center Degrees and Certificated Awarded by Initiative

Initiative	Award	2010-11*	2011-12*	2012-13	2013-14	2014-15	5-year Change%
CTE	Degrees	88	95	106	91	110	25%
	Certificates	50	102	89	91	98	96%
STEM	Degrees	2	4	16	2	7	250%
	Certificates	1	1	10	7	1	0%
SEM	Degrees	2	3	14	1	6	200%
	Certificates	0	0	0	0	0	0%

*To preserve student privacy, some frequency information is not reported in this table.

Career and Technical Education (CTE)

Female students received a majority of CTE degrees (67%), however, CTE certificates were evenly split (49%). Although females received the majority of CTE degrees, particular degree programs are predominantly awarded to either males (e.g., automotive technology) or females (e.g., childhood education). Further, Latino students received more CTE degrees than other ethnic groups (43%), although Latino students received relatively similar proportions of CTE degrees compared to their Fall 2011 enrollment (42%). African Americans received proportionally fewer CTE degrees (39%) compared to their Fall 2011 enrollment (43%).

Science, Technology, Engineering, and Mathematics (STEM)

Female students have previously been consistently underrepresented in STEM fields nationwide, and there also appear to be relatively fewer female students in STEM programs at Compton Center. Male students received 88% of STEM awards and females received 13% of the STEM awards. Compared to their Fall 2011 enrollment (65%), women received proportionally fewer awards. Further, 100% of STEM awards recipients were Latino.

Science, Engineering, and Mathematics (SEM)

Similar to STEM, males received the majority of SEM awards (83%). Additionally, 100% of SEM recipients were Latino.

Conclusion

The reported data highlight particular patterns in the degrees and certificates awarded at El Camino College Compton Center. Compared to the previous year, degree and certificate awards increased. Further, 2014-15 appears to have been a peak year with record numbers of award counts. Additionally, in terms of degrees, Compton Center surpassed its 2019-20 goal set by the College. If this trend continues, the College may also meet or surpass its 2019-20 goal for certificate awards. Compton Center will continue to promote strategic initiatives that support increases in student achievement.

Appendix A- El Camino College Compton Center Award Data

Figure 2. ECC Compton Center Growth Trends in Degrees and Certificates

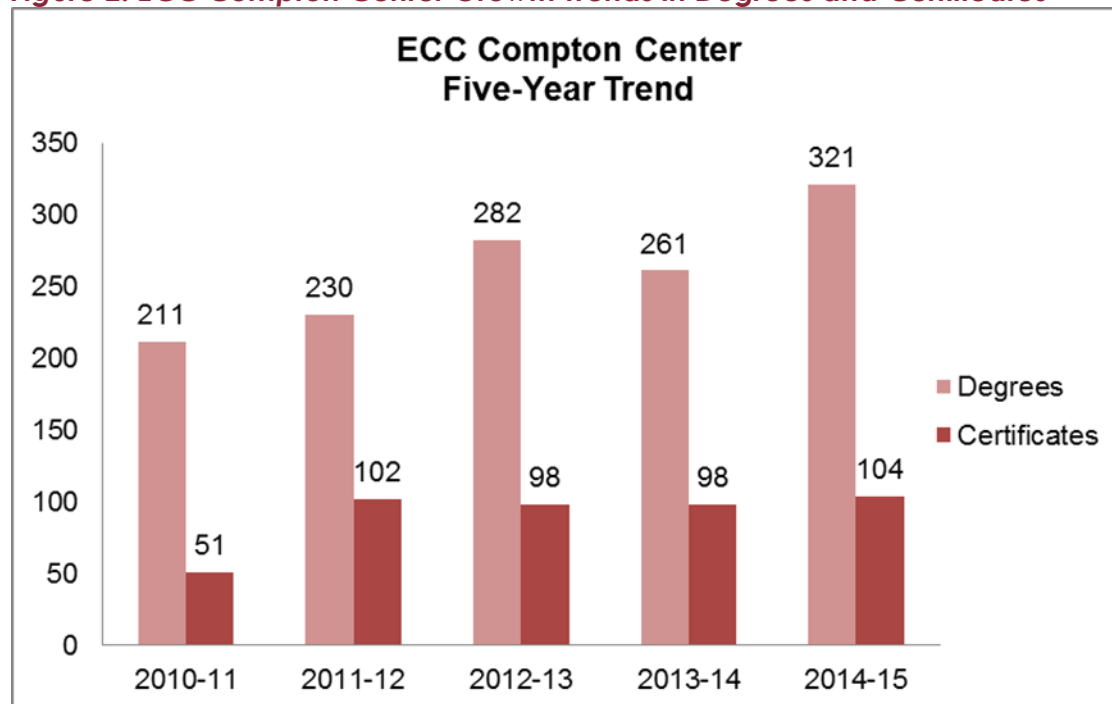


Table 4. ECC Compton Center Associate of Arts Transfer Degrees by Major, 2014-15 Academic Year

Program	2012-13	2013-14	2014-15	3-year % Change
Communication Studies (for Transfer)	0	2	4	N/A
Economics (for Transfer)	0	0	1	N/A
English (for Transfer)	0	0	2	N/A
History (for Transfer)	0	0	2	N/A
Political Science (for Transfer)	0	0	2	N/A
Psychology (for Transfer)	3	4	10	233%
Sociology (for Transfer)	7	6	12	71%
Total AA-T Degrees	10	12	33	229%

Table 5. ECC Compton Center Associate of Science Transfer Degrees by Major, 2014-15 Academic Year

Program	2014-15	% Total AS-T Degrees
Administration of Justice (for Transfer)	10	29%
Biology (for Transfer)	1	3%
Business Administration (for Transfer)	20	59%
Mathematics (for Transfer)	1	3%
Physics (for Transfer)	1	3%
Pre-Nursing (for Transfer)	1	3%
Total AS-T Degrees	34	100%

Table 6. ECC Compton Center Degrees and Certificates by Gender, 2014-15 Academic Year

Source	Award Type	Males		Females		Total
		n	%	n	%	
Compton Center	Degrees	96	30%	225	70%	321
	Certificates	53	51%	51	49%	104
Fall 2011 Enrollment		2,777	35%	5,134	65%	7,912

Table 7. ECC Degrees and Certificates by Ethnic Group, 2014-15 Academic Year

Ethnic Group	El Camino College				Fall 2011 Enrollment	
	Degrees		Certificates		n	%
	n	%	n	%		
Asian	14	4%	*	*	460	6%
Black	125	39%	38	37%	3,388	43%
Latino	163	51%	53	51%	3,288	42%
Native American	*	*	*	*	14	0.2%
Pacific Islander	*	*	*	*	74	1%
White	*	*	*	*	319	4%
Multi-ethnic	10	*	*	*	205	3%
Unknown	*	*	*	*	164	2%
Total	321		104		7,912	

*To preserve student privacy, some frequency information is not reported in this table.

Table 8. ECC Compton Center Degrees and Certificates by Age Group, 2014-15 Academic Year

Source	Award Type	Under 20		20 to 24		25 to 49		Over 50		Total
		n	%	n	%	n	%	n	%	
Compton Center	Degrees	16	5%	134	42%	146	45%	25	8%	321
	Certificates	*	*	38	37%	44	42%	21	20%	104
Fall 2011 Enrollment		1,610	20%	2,917	37%	3,072	39%	313	4%	7,912

*To preserve student privacy, some frequency information is not reported in this table.

Table 9. ECC Compton Center Degree Types by Gender, 2014-15 Academic Year

Degree Type	Males		Females		Total
	n	%	n	%	
A.A.	51	25%	150	75%	201
A.A.-T	*	*	26	79%	33
A.S.	24	45%	29	55%	53
A.S.-T	14	41%	20	59%	34
Total	96	30%	225	70%	321

*To preserve student privacy, some frequency information is not reported in this table.

Table 10. ECC Degree Types by Age Group, 2014-15 Academic Year

Degree Type	Under 20		20 to 24		25 to 49		Over 50		Total
	n	%	n	%	n	%	n	%	
A.A.	10	5%	85	42%	89	44%	17	8%	201
A.A.-T	*	*	20	61%	*	*	*	*	33
A.S.	*	*	10	19%	38	72%	*	*	53
A.S.-T	*	*	19	56%	10	29%	*	*	34
Total	16	5%	134	42%	146	45%	25	8%	321

*To preserve student privacy, some frequency information is not reported in this table.

Table 11. ECC Compton Center Degree Types by Ethnic Group, 2014-15 Academic Year

Ethnic Group	El Camino College								Total Associate Degrees	
	A.A.		A.A.-T		A.S.		A.S.-T		n	%
	n	%	n	%	n	%	n	%		
Asian	*	*	*	*	10	19%	*	*	14	4%
Black	84	42%	14	42%	18	34%	*	*	125	39%
Latino	107	53%	15	45%	19	36%	22	65%	163	51%
Native Amer.	*	*	*	*	*	*	*	*	*	*
Pacific Isl.	*	*	*	*	*	*	*	*	*	*
White	*	*	*	*	*	*	*	*	*	*
Multi-ethnic	*	*	*	*	*	*	*	*	10	3%
Unknown	*	*	*	*	*	*	*	*	*	*
Total	201		33		53		34		321	

*To preserve student privacy, some frequency information is not reported in this table.

Table 12. ECC Initiatives by Gender, 2014-15 Academic Year

Initiative	Award Type	Males		Females		Total
		n	%	n	%	
CTE	Degrees	36	33%	74	67%	110
	Certificates	49	50%	49	50%	98
STEM	Degrees	*	86%	*	14%	7
	Certificates	*	100%	*	*	1
SEM	Degrees	*	83%	*	17%	6
	Certificates	*	*	*	*	0

*To preserve student privacy, some frequency information is not reported in this table.

Table 13. ECC Compton Center Degrees Awarded by Division and Major

Division	Major	2010-11	2011-12	2012-13	2013-14	2014-15	5-year change
Behavioral and Social Sciences	Anthropology	0	0	0	1	0	
	Childhood Education	29	19	14	19	17	
	Economics	0	0	0	0	1	
	Ethnic Studies	0	0	0	1	0	
	History	1	0	1	0	5	
	Liberal Studies	6	7	6	3	4	
	Political Science	3	0	1	1	2	
	Psychology	1	4	4	6	10	
	Sociology	10	15	10	12	12	
	Transfer Studies	6	2	1	0	0	
Total Behavioral and Social Sciences		56	47	37	43	51	-9%
Business	Accounting	0	0	1	1	0	
	Business Administration	0	0	17	11	20	
	Business Management	14	12	3	6	5	
	Computer Information Systems	1	1	1	0	2	
	Marketing	0	2	0	1	0	
	Office Administration	0	1	0	0	0	
	Paralegal Studies	0	0	0	0	1	
	Real Estate	1	2	1	2	0	
Total Business		16	18	23	21	28	75%
Fine Arts	Art (Various Majors)	0	0	2	0	0	
	Dance	1	1	0	0	0	
	Film/Video	0	1	0	1	1	
	Speech Communication	0	0	0	0	4	
Total Fine Arts		1	2	2	1	5	400%
Health Sciences and Athletics	Nursing	30	45	45	33	36	
	Physical Education	1	1	0	0	2	
	Pre-Nursing	0	0	1	2	1	
	Respiratory Care	0	0	0	0	1	
	Sign Language/Interp. Training	1	0	1	1	2	
Total Health Sciences and Athletics		32	46	47	36	42	31%
Humanities	English	0	1	0	2	2	
	French	0	0	0	1	0	
	Spanish	0	1	1	2	1	
Total Humanities		0	2	1	5	3	N/A
General Studies (Behavioral and Social Sciences)	General Studies	33	17	10	4	1	
	Arts and Humanities	28	44	55	42	45	
	Biological and Physical Sciences	8	9	13	26	28	
	Communication Studies	0	0	1	2	0	
	Culture and Communication	0	0	1	1	6	
	Fine and Applied Arts	0	0	2	1	0	
	Kinesiology and Wellness	0	0	2	5	1	
	Social and Behavioral Sciences	23	30	52	59	81	
Total General Studies		92	100	136	140	162	76%

Division	Major	2010-11	2011-12	2012-13	2013-14	2014-15	5-year change
Industry and Technology	Administration of Justice	6	7	16	9	18	
	Air Conditioning & Refrig.	0	1	1	0	1	
	Auto. Collision Repair/Painting	1	0	0	1	0	
	Automotive Technology	1	1	0	1	2	
	Construction Technology	0	0	0	1	0	
	Cosmetology	1	0	0	0	0	
	Fire & Emergency Technology (Paramedic Tech)	2	0	0	0	0	
	Fire & Emergency Technology	0	0	3	0	1	
	Machine Tool Technology	0	1	1	1	1	
	Pre-Engineering	0	0	2	0	0	
Welding	1	2	1	1	1		
Total Industry and Technology		12	12	24	14	24	100%
Mathematics	Mathematics	0	0	3	1	2	
Total Mathematics		0	0	3	1	2	N/A
Natural Sciences	Biology	0	0	1	0	1	
	Chemistry	0	0	2	0	0	
	General Science	1	1	1	0	1	
	Physical Science	0	0	3	0	1	
	Physics	0	0	2	0	1	
Pre-Dentistry or Pre-Medicine	1	2	0	0	0		
Total Natural Sciences		2	3	9	0	4	100%
All Degrees Awarded		211	230	282	261	321	52%

Source: CCC Chancellor's Office; El Camino College Admissions & Records. Majors with no awards in the previous five years are not shown. *Note:* Major and division pairings may differ at Compton Center.

Table 14. ECC Compton Center Certificates Awarded by Division and Major

Division	Major	2010-11	2011-12	2012-13	2013-14	2014-15	5-year change
Behavioral and Social	Childhood Education	24	41	40	40	36	
	Transfer Studies	0	0	5	2	2	
Total Behavioral and Social Sciences		24	41	45	42	38	58%
Business	Accounting	0	0	3	1	1	
	Business Administration	0	0	0	0	0	
	Business Management	0	4	0	5	2	
	Marketing	1	2	0	2	0	
	Office Administration	0	1	0	2	2	
	Paralegal Studies	0	0	0	1	1	
Real Estate	0	2	1	1	0		
Total Business		1	9	4	12	6	500%
Fine Arts	Film/Video	0	0	2	1	0	
	Music	1	0	4	5	4	
Total Fine Arts		1	0	6	6	4	300%
Health Sciences	Respiratory Care	0	0	0	0	1	
	Sign Language/Interp. Training	0	0	1	0	2	
Total Health Sciences and Athletics		0	0	1	0	3	N/A

Division	Major	2010-11	2011-12	2013-13	2013-14	2014-15	5-year change
Industry and Technology	Administration of Justice	4	5	7	1	4	
	Air Conditioning & Refrig.	12	1	10	12	37	
	Architecture	0	0	1	0	0	
	Auto. Collision Repair/Painting	1	1	2	5	0	
	Automotive Technology	5	7	14	10	8	
	Cabinet & Fine Woodworking	0	0	0	1	0	
	CPU Aided Design/Drafting	1	0	0	0	0	
	Cosmetology	0	31	3	0	1	
	Fire & Emergency Technology	0	1	0	1	0	
	Machine Tool Technology	0	1	0	7	1	
	Welding	2	5	5	1	2	
Total Industry and Technology		25	52	42	38	53	112%
All Certificates Awarded		51	102	98	98	104	104%

Note: Major and division pairings may differ at Compton Center.