

# El Camino College

## Degrees and Certificates Awarded

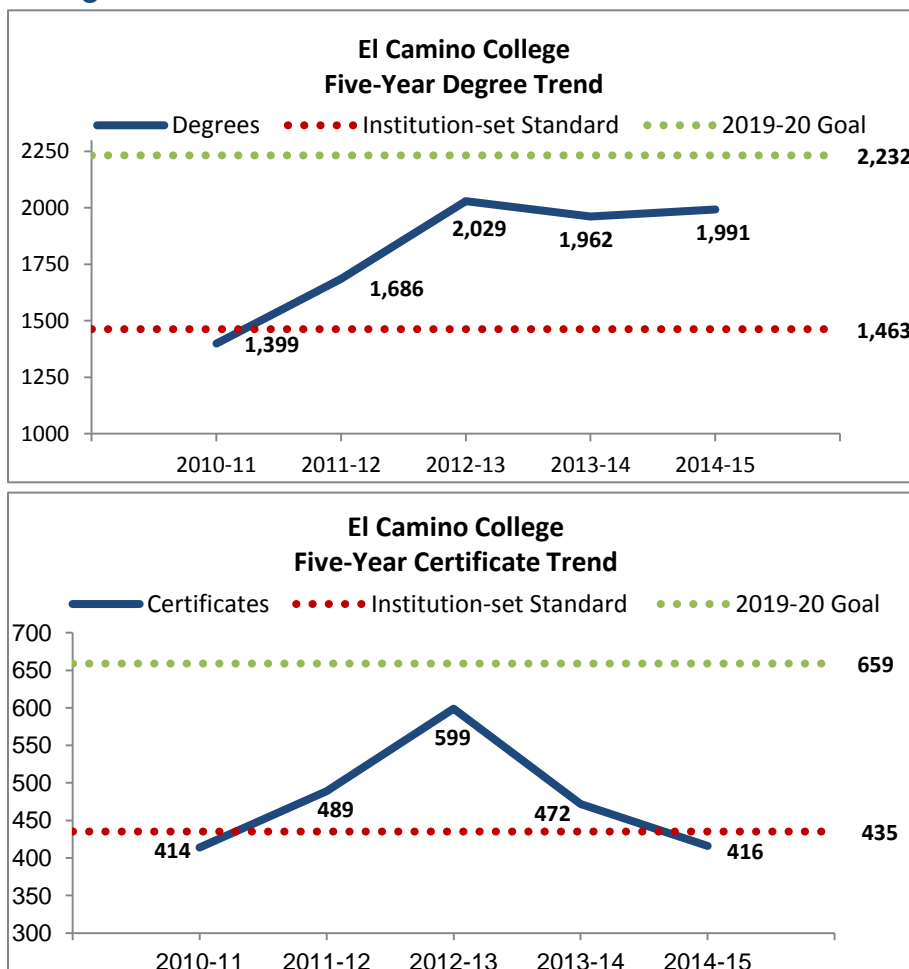
### Recent Trends (2010-2015)



#### Executive Summary

This report highlights the trends in degrees and certificates awarded by El Camino College (ECC) for the academic years 2010-11 to 2014-15. These trends are discussed in relation to minimum standards set by the College. Overall, awards have increased during this five-year period. ECC shows a five-year growth of 42% for degrees awarded and 0.5% for certificates awarded (33% for all awards conferred). The number of degrees awarded continued to rise for the 2014-15 academic year, exceeding the institution-set standard, with the possibility of meeting the established goal by 2019-20. The number of certificates continued to decline, falling below the institution-set standard for this measure.

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



A total of 2,407 awards were conferred in 2014-15. Awarding of degrees increased by 1% and certificates decreased by 12%. The number of Associate of Arts for Transfer (A.A.-T) degrees awarded continued to grow, with 239 A.A.-T degrees awarded in 2014-15. There were also 301 Associate of Science Transfer (A.S.-T) degrees awarded in 2014-15. Among the most awarded AS-T degrees were Administration of Justice, Biology, and Business Administration. Changes in the overall number of degrees and certificates awarded by each major were relatively small. Over the previous five years at ECC, degree awards have grown by 42% and certificate awards have grown by 0.5%. Altogether, ECC is showing a five-year growth of 33% in terms of awards conferred.

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

Location	Award	2010-11*	2011-12*	2012-13	2013-14	2014-15	5-year Change %
<b>El Camino College</b>	Degrees	1,399	1,686	2,029	1,962	1,991	42%
	Certificates	414	489	599	472	416	0.5%
<b>Total Awards</b>		<b>1,813</b>	<b>2,175</b>	<b>2,628</b>	<b>2,434</b>	<b>2,407</b>	<b>33%</b>

\*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 Reporting Services

## Degree Overview

At El Camino College (ECC), degrees were awarded in 67 different majors in 8 different divisions. Since the 2010-11 academic year, ECC has been awarding an increasing number of degrees. Further, 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 ECC have increased by 1%. Currently, 2012-13 is the record year for the most degrees awarded, with 2014-15 awarding the second highest number (see Table 1).

Additionally, 2013-14 is the second 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 14 A.A.-T programs and 11 A.S.-T programs during the 2014-15 academic year.

## Certificate Overview

At ECC, 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 requirements to receive these awards. 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. The awarding of certificates has not increased as uniformly as the awarding of degrees. In 2014-15, ECC awarded the second lowest number of certificates during the past five years.

## Initiative Overview

El Camino College 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. At ECC, STEM programs consist of those in the divisions of Mathematics and Natural Sciences, as well as the more technological programs within the division of Industry and Technology. 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, STEM, and SEM awards decreased in 2014-15, however, degrees awarded under each initiative have increased substantially over the past five years.

## Examination of Degrees and Certificates

The 2,407 awards conferred by El Camino College (ECC) consisted of 1,991 degrees and 416 certificates. In other words, 83% of the awards were A.A., A.A.-T, A.S. or A.S.-T degrees and 17% of the awards were certificates. The majority of awards at ECC are received by traditional, college-aged students (i.e., 20 to 24 years old), although there is also a substantial number of awards given to students in the 25-to-49 year age range. Specific demographic groups exhibited various patterns of award distribution. Asian students received 510 awards (88% degrees and 12% certificates). Black or African American students received 285 awards (79% degrees and 21% certificates). Latino students received 1,043 awards (81% degrees and 19% certificates). White students received 390 awards (83% degrees and 17% certificates).

Men and women enrolled in ECC at similar rates in 2011<sup>1</sup> (48% male; 52% female), but the distribution of awards in 2014-15 does not reflect this. Compared to their Fall 2011 enrollment rate, male students received proportionally fewer awards in 2014-15 (42%). Compared to their Fall 2011 enrollment rate, female students received proportionally more awards in 2014-15 (58%). There were 1,019 awards conferred to male students: approximately 81% were degrees, and 19% were certificates. There were 1,388 awards conferred to female students: approximately 84% were degrees, and 16% were certificates. Men received slightly more A.S. degrees (51%), while women received disproportionately more A.A. degrees (64%). For more details, see Table 7 and Table 10 of Appendix A.

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<sup>1</sup> Because the median enrollment time to completion at ECC campuses is four years, several aspects of the 2014-15 data in this report are compared to enrollment four years prior (2011-12).

When considering the total number of awards conferred at ECC (see Table 8 of Appendix A), Asian students received proportionately more awards (21%) than their Fall 2011 enrollment (17%). Black or African American students received proportionately fewer awards (12%) than their enrollment (18%). Latino students received proportionately more awards (43%) than their enrollment (41%). White students received proportionately fewer awards (16%) than their enrollment (17%). It is difficult to determine how much, if any, of these proportional differences are due to changes in enrollment demographics.

## Degrees

With the exception of the last two academic years, the number of degrees awarded at ECC had been steadily increasing per year. Although 2012-13 stands as the peak year for degrees awarded at ECC, 2014-15 yielded the second highest number of degree award counts (1,991) in the five-year period. There has been a 103% increase in A.A.-T degrees, a 3% decrease in A.A. degrees, and a 45% decrease in A.S. degrees over the previous year (see Table 2). The significant decrease in A.S. degrees awarded may be attributed to the new A.S.-T degrees awarded in 2014-15.

**Table 2. El Camino College Degree Awards by Type**

Degree Type	2010-11	2011-12	2012-13	2013-14	2014-15	5-year change
<b>A.A.</b>	903	1118	1210	1044	1011	12%
<b>A.A.-T</b>	--	--	79	118	239	N/A
<b>A.S.</b>	496	568	740	800	440	-11%
<b>A.S.-T</b>	--	--	--	--	301	N/A
<b>Total</b>	<b>1399</b>	<b>1686</b>	<b>2029</b>	<b>1962</b>	<b>1991</b>	<b>42%</b>

*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

Unlike previous years, there was not a uniform increase in degrees awarded by each division. From 2013-14 to 2014-15, there was a 21% increase in Behavioral and Social Science degrees awarded, a 15% increase in Humanities degrees awarded, a 3% increase in General Studies degrees awarded, and a 9% increase in Industry and Technology degrees awarded. All other divisions (i.e., Business, Fine Arts, Health Sciences and Athletics, Mathematics, and Natural Sciences) experienced a decrease in the number of degrees awarded, ranging from 2% (Health Sciences and Athletics) to 16% (Natural Sciences). For ECC degree awards categorized by division and major, see Table 16 of Appendix A.

The proportion of degrees awarded to female students was slightly larger than their proportion of the Fall 2011 enrollment (58% and 52%, respectively). Also, the proportion of A.A. degrees awarded to female students was much greater than their enrollment (64% and 52%, respectively). Male students actually received a slightly larger proportion of A.S. degrees despite having lower enrollment (51% and 48%, respectively). Female students also received a disproportionate amount of A.A.-T degrees (63%), although it is unclear if this speaks more to a gender difference in art/science degree pursuit rather than differences in the intent to transfer. For the distribution of degree types received by males and females, see Table 10 of Appendix A.

Different ethnic groups also appear to be pursuing and/or receiving the various degree types at different rates. The distribution of art and science degrees varies by ethnicity. Nonetheless, Latino students received the largest percentage of A.A. degrees (46%) and A.S. degrees (34%). Asian students received A.S. degrees at a proportionally higher rate than their 2011 enrollment (30% and 17%, respectively). For the proportional rates of degrees awarded across all ethnic groups, see Table 12 of Appendix A.

The majority of degrees awarded by ECC in 2014-15 were received by students of a younger age. Students 20 to 24 received 59% of degrees, while the larger age range of 25 to 49 year-old students received only 36% of degrees. Students aged 20 to 24 received a majority of the A.A. degrees (60%) and most of the A.A.-T degrees (77%), and A.S.-T degrees (63%), but A.S. degrees were more evenly conferred. The youngest degree recipient was 17 years of age, and the oldest degree recipient was 77 years of age. For a list of degree awards categorized by age group, see Table 11 of Appendix A.

## Certificates

There were 416 certificates awarded at ECC during the 2014-15 academic year, a 12% decrease compared to the previous year. According to Fall 2011 enrollment, women and men enrolled at ECC at relatively similar rates. The distribution of short-term certificates (51% female; 49% male) closely matches these previous enrollment numbers. However, women received a disproportionate amount of long-term certificates (60%) when compared to their Fall 2011 enrollment.

In terms of ethnicity, Latino students received a relatively large proportion of certificates (48%). Among most ethnic groups, awards were almost evenly split between short-term and long-term certificates. However, among Latino students, 44% received long-term certificates and 56% received short-term certificates. For the rates of certificates awarded across all ethnic groups, see Table 8 of Appendix A.

Unlike degree awards, the majority of certificates were received by students in the 25-to-49 age range (50%) rather than students aged 20 to 24 (36%). Students aged 25 to 49 received a majority of the short-term certificates (52%) as well as a majority of the long-term certificates (46%). For a list of certificate awards categorized by age group, see Table 9 of Appendix A.

## Initiatives

There was a decrease in initiative-related award counts compared to the previous year. In the 2014-15 academic year, degree award counts decreased for each of the initiatives: CTE degrees decreased by 1%, STEM degrees decreased by 11%, and SEM degrees decreased by 13%. Certificate award counts decreased for CTE, STEM, and SEM: there were 14% fewer CTE certificates, 49% fewer STEM certificates, and 50% fewer SEM certificates awarded in 2014-15. Although the degree counts for these initiatives have decreased compared to the past year, degree award counts for each initiative still show five-year growth.

**Table 3. El Camino College Degrees and Certificates Awarded by Initiative**

Initiative	Award	2010-11*	2011-12*	2012-13	2013-14	2014-15	5-year Change%
<b>CTE</b>	Degrees	475	513	596	635	627	32%
	Certificates	403	481	551	434	374	-7.2%
<b>STEM</b>	Degrees	100	152	272	296	263	163%
	Certificates	20	42	76	53	27	35%
<b>SEM</b>	Degrees	91	140	246	270	235	158%
	Certificates	*	*	*	*	*	*

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

### Career and Technical Education (CTE)

Compared to STEM and SEM, the CTE initiative includes the largest number of possible majors and likewise distributes the largest number of awards to students in these programs. Female students received a majority of CTE degrees (56%) and CTE certificates (54%). Although females received the majority of CTE degrees and certificates, particular certificate or degree programs are still predominantly awarded to either males (e.g., automotive technology, paramedics) or females (e.g., childhood education, nursing). Further, Latino students received more CTE degrees than other ethnic groups (39%), although Latino students received proportionally fewer CTE degrees compared to their Fall 2011 enrollment (41%). Asian students received proportionally more CTE degrees (26%) and Black or African American students received proportionally fewer CTE degrees (12%) (see Table 14 of Appendix A).

### Science, Technology, Engineering, and Mathematics (STEM)

STEM can be considered the second largest initiative in terms of programs offered. 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 ECC. Male students received a majority of the STEM degrees (59%) and most of the STEM certificates (93%) awarded in the 2014-15 academic year. Latino students received 34% of STEM degrees, 32% for Asian students, 18% for White students, and 7% for Black or African American students. Although Latinos received the largest percentage of STEM degrees, these students still received proportionally fewer awards than their Fall 2011 enrollment (41%). Latino students also received the largest percentage of STEM certificates.

### Science, Engineering, and Mathematics (SEM)

The distribution of awards for the SEM initiative was fairly similar to that of the STEM initiative, although relatively few SEM certificates were received by students. Male students received a majority of SEM degrees (55%). Asian and Latino students received the largest percentage of SEM degrees (32%). White students were awarded the next highest number of SEM degrees (18%). Additionally, the number of SEM certificates decreased compared to the previous year.

## Conclusion

The reported data highlight particular patterns in the degrees and certificates awarded at El Camino College. Compared to the previous year, degree awards increased and certificate awards decreased. However, 2012-13 appears to have been a peak year with record numbers of award counts, and it was also the first year in which data were reported from a different source than Management Information Systems (MIS). Nevertheless, 2014-15 yielded the second-highest number of award counts. The following years will more clearly indicate to what degree the decreases in 2014-15 may be attributed to external factors affecting enrollment and completion patterns, as well as the internal efforts to promote strategic initiatives that might insulate El Camino College from decreases in student achievement.

## Appendix A – El Camino College Award Data

Figure 2. El Camino College Growth Trends in Degrees and Certificates

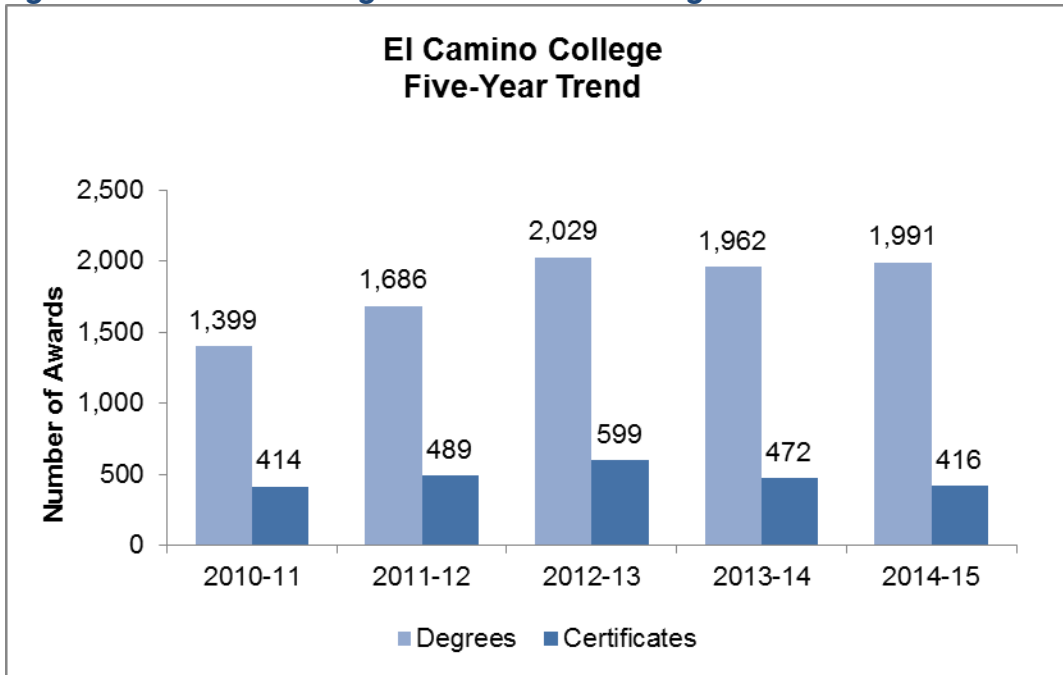


Table 6. ECC Associate of Arts Transfer Degrees by Major, 2014-15 Academic Year

Program	2013-14	2014-15	% Change
Anthropology (for Transfer)	--	*	N/A
Art-Variou Majors (for Transfer)	--	*	N/A
Childhood Education (for Transfer)	--	*	N/A
Communication Studies (for Transfer)	29	40	38%
Economics (for Transfer)	--	19	N/A
English (for Transfer)	--	25	N/A
Geography (for Transfer)	--	*	N/A
History (for Transfer)	--	17	N/A
Music (for Transfer)	--	*	N/A
Physical Education (for Transfer)	--	*	N/A
Political Science (for Transfer)	--	10	N/A
Psychology (for Transfer)	37	62	68%
Sociology (for Transfer)	52	57	10%
Theatre (for Transfer)	--	*	N/A
<b>Total AA-T Degrees</b>	<b>118</b>	<b>239</b>	<b>103%</b>

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

-- Awards not granted in these programs.



**Table 7. ECC Associate of Science Transfer Degrees by Major 2014-15 Academic Year**

Program	2014-15	% Total AS-T Degrees
Administration of Justice (for Transfer)	24	8.0%
Biology (for Transfer)	23	7.6%
Business Administration (for Transfer)	160	53.2%
Chemistry (for Transfer)	13	4.3%
Computer Science (for Transfer)	*	2.7%
Childhood Education (for Transfer)	*	1.0%
Geology (for Transfer)	*	0.7%
Mathematics (for Transfer)	*	2.3%
Physics (for Transfer)	20	6.6%
Pre-Engineering (for Transfer)	19	6.3%
Pre-Nursing (for Transfer)	22	7.3%
<b>Total AS-T Degrees</b>	<b>301</b>	<b>100%</b>

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

**Table 7. ECC Degrees and Certificates by Gender, 2014-15 Academic Year**

Source	Award Type	Males		Females		Total
		n	%	n	%	
El Camino College	Degrees	829	41.6%	1162	58.4%	1,991
	Certificates	190	45.7%	226	54.3%	416
<b>Fall 2011 Enrollment</b>		<b>11,586</b>	<b>47.8%</b>	<b>12,632</b>	<b>52.1%</b>	<b>24,224</b>

**Table 8. 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	449	22.6%	61	14.7%	4,024	16.6%
Black	225	11.3%	60	14.4%	4,321	17.8%
Latino	844	42.4%	199	47.8%	9,864	40.7%
Native American	*	*	*	*	63	0.3%
Pacific Islander	11	0.5%	*	*	143	0.6%
White	325	16.3%	65	15.6%	4,176	17.2%
Multi-ethnic	99	5.0%	11	2.6%	831	3.4%
Unknown	35	1.8%	15	3.6%	802	3.3%
<b>Total</b>	<b>1,991</b>		<b>416</b>		<b>24,224</b>	

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

**Table 9. ECC 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	%	
El Camino College	Degrees	53	2.7%	1179	59.2%	714	35.9%	45	2.3%	1,991
	Certificates	*	*	149	35.8%	207	49.8%	53	12.7%	416
<b>Fall 2011 Enrollment</b>		<b>6,911</b>		<b>9,462</b>		<b>6,729</b>		<b>1,122</b>		<b>24,224</b>

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

**Table 10. ECC Degree Types by Gender, 2014-15 Academic Year**

Degree Type	Males		Females		Total
	n	%	n	%	
A.A.	368	36.4%	643	63.6%	1011
A.A.-T	89	37.2%	150	62.8%	239
A.S.	224	50.9%	216	49.1%	440
A.S.-T	148	49.2%	153	50.8%	301
<b>Total</b>	<b>829</b>	<b>41.6%</b>	<b>1162</b>	<b>58.4%</b>	<b>1991</b>

**Table 11. 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.	36	3.6%	610	60.3%	346	34.2%	19	1.9%	1011
A.A.-T	*	*	185	77.4%	45	18.8%	*	*	239
A.S.	*	*	194	44.1%	224	50.9%	18	4.1%	440
A.S.-T	*	*	190	63.1%	99	32.9%	*	*	301
<b>Total</b>	<b>53</b>	<b>2.7%</b>	<b>1179</b>	<b>59.2%</b>	<b>714</b>	<b>35.9%</b>	<b>45</b>	<b>2.3%</b>	<b>1991</b>

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

**Table 12. ECC 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	%		
<b>Asian</b>	175	17.3%	45	18.8%	131	29.7%	98	32.5%	449	22.5%
<b>Black</b>	133	13.1%	17	7.1%	46	10.4%	29	9.6%	225	11.3%
<b>Latino</b>	462	45.6%	125	52.3%	151	34.3%	106	35.2%	844	42.3%
<b>Native Amer.</b>	*	*	*	*	*	*	*	*	*	*
<b>Pacific Isl.</b>	*	*	*	*	*	*	*	*	11	0.5%
<b>White</b>	162	16.0%	38	15.8%	83	18.8%	42	13.9%	325	16.3%
<b>Multi-ethnic</b>	59	5.8%	12	5.0%	12	2.7%	16	5.3%	99	4.9%
<b>Unknown</b>	15	1.4%	*	*	11	2.5%	*	*	35	1.7%
<b>Total</b>	<b>1,011</b>		<b>239</b>		<b>440</b>		<b>301</b>		<b>1,991</b>	

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

**Table 13. ECC Initiatives by Gender, 2014-15 Academic Year**

Initiative	Award Type	Males		Females		Total
		n	%	n	%	
<b>CTE</b>	Degrees	274	43.7%	353	56.3%	627
	Certificates	171	45.7%	203	54.3%	374
<b>STEM</b>	Degrees	156	59.3%	107	40.7%	263
	Certificates	25	92.6%	*	*	27
<b>SEM</b>	Degrees	129	54.9%	106	45.1%	235
	Certificates	*	*	*	*	*

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

**Table 14. ECC Initiatives by Ethnic Group, 2014-15 Academic Year**

Ethnic Group	CTE				STEM				SEM			
	Degrees		Certificates		Degrees		Certificates		Degrees		Certificates	
	n	%	n	%	n	%	n	%	n	%	n	%
<b>Asian</b>	165	26.3%	50	13.4%	83	31.6%	*	18.5%	76	32.3%	*	*
<b>Black</b>	72	11.5%	56	14.9%	17	6.5%	*	14.8%	16	6.8%	*	*
<b>Latino</b>	243	38.8%	181	48.4%	89	33.8%	12	44.4%	76	32.3%	*	*
<b>Native Amer.</b>	*	*	*	*	*	*	*	*	*	*	*	*
<b>Pacific Islander</b>	*	*	*	*	*	*	*	*	*	2.1%	*	*
<b>White</b>	108	17.2%	57	15.2%	47	17.8%	*	11.1%	42	17.9%	*	*
<b>Multi-ethnic</b>	19	3.0%	10	2.3%	15	5.7%	*	*	15	6.4%	*	*
<b>Unknown</b>	16	2.6%	15	4.0%	*	*	*	11.1%	*	2.1%	*	*
<b>Total</b>	<b>627</b>		<b>374</b>		<b>263</b>		<b>27</b>		<b>235</b>		<b>*</b>	

\*To preserve student anonymity, some frequency information is not reported in this table (e.g., SEM certificates awarded).

**Table 15. ECC Initiatives by Age Group, 2014-15 Academic Year**

Initiative	Award Type	Under 20		20 to 24		25 to 49		Over 50		Total
		n	%	n	%	n	%	n	%	
CTE	Degrees	*	*	263	41.9%	332	52.9%	30	4.8%	627
	Certificates	*	*	126	33.7%	192	51.3%	51	13.6%	374
STEM	Degrees	*	*	168	63.9%	84	31.9%	*	*	263
	Certificates	*	*	*	*	14	51.9%	*	*	27
SEM	Degrees	*	*	161	68.5%	66	28.1%	*	*	235
	Certificates	*	*	*	*	*	*	*	*	*

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

**Table 16. ECC 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	5	3	13	8	7	
	Childhood Education	38	39	40	44	43	
	Economics	25	24	44	25	30	
	Ethnic Studies	0	0	1	0	0	
	History	7	11	15	7	23	
	Liberal Studies	43	43	20	21	14	
	Philosophy	0	1	1	1	1	
	Political Science	7	2	8	8	17	
	Psychology	15	17	51	41	66	
	Sociology	34	46	43	61	62	
	Transfer Studies	48	35	3	1	0	
<b>Total Behavioral and Social Sciences</b>		<b>174</b>	<b>221</b>	<b>239</b>	<b>217</b>	<b>263</b>	<b>51%</b>
Business	Accounting	9	12	14	17	12	
	Business Administration	134	137	158	166	160	
	Business Management	19	22	21	30	21	
	Computer Information Systems	13	10	14	13	12	
	Marketing	3	7	9	15	10	
	Office Administration	3	11	2	5	0	
	Paralegal Studies	15	15	21	13	19	
	Real Estate	2	1	6	4	8	
<b>Total Business</b>		<b>198</b>	<b>215</b>	<b>245</b>	<b>263</b>	<b>242</b>	<b>22%</b>

Fine Arts	Art (Various Majors)	26	22	37	46	21	
	Communication Studies	5	9	22	29	40	
	Dance	2	1	2	0	0	
	Film/Video	8	13	11	10	10	
	Music	6	9	6	5	8	
	Photography	7	8	4	3	6	
	Theatre	2	3	3	3	5	
<b>Total Fine Arts</b>		<b>56</b>	<b>65</b>	<b>85</b>	<b>93</b>	<b>90</b>	<b>61%</b>
Health Sciences and Athletics	Lab Technician (Medical)	0	0	0	1	0	
	Nursing	59	63	89	95	95	
	Physical Education	1	2	5	5	3	
	Pre-Dentistry or Pre-Medicine	28	19	1	0	0	
	Pre-Nursing	0	0	16	29	22	
	Radiologic Tech	9	15	18	20	18	
	Recreation	0	1	0	0	1	
	Respiratory Care	19	16	16	18	17	
	Sign Language/Interp. Training	13	13	7	9	18	
<b>Total Health Sciences and Athletics</b>		<b>129</b>	<b>129</b>	<b>152</b>	<b>177</b>	<b>174</b>	<b>35%</b>
Humanities	English	24	35	45	38	46	
	French	2	5	6	7	6	
	Japanese	0	7	10	6	9	
	Journalism	5	2	3	2	2	
	Spanish	6	7	11	6	5	
<b>Total Humanities</b>		<b>37</b>	<b>56</b>	<b>75</b>	<b>59</b>	<b>68</b>	<b>84%</b>
General Studies (Behavioral and Social Sciences)	General Studies	77	58	28	12	4	
	Arts and Humanities	154	218	252	213	209	
	Biological and Physical Sciences	74	145	133	136	136	
	Communication Studies	17	2	7	1	1	
	Culture and Communication	14	30	52	48	56	
	Fine and Applied Arts	14	21	21	20	15	
	Kinesiology and Wellness	2	13	22	22	28	
	Social and Behavioral Sciences	194	244	331	293	320	
<b>Total General Studies</b>		<b>546</b>	<b>731</b>	<b>846</b>	<b>745</b>	<b>769</b>	<b>41%</b>

Industry and Technology	Administration of Justice	34	32	36	34	46	
	Air Conditioning & Refrig.	4	15	4	4	4	
	Architecture	22	16	13	10	13	
	Auto. Collision Repair/Painting	2	5	2	2	2	
	Automotive Technology	8	6	6	8	4	
	Computer Aided Design/Drafting	2	6	3	4	10	
	Construction Technology	7	1	3	4	4	
	Cosmetology	1	2	4	4	9	
	Electronics/CPU Hardware Technician	5	1	12	11	9	
	Fashion	4	2	11	12	2	
	Fire & Emergency Tech./Paramedic	26	38	32	31	35	
	Industrial Technology	1	0	2	0	0	
	Machine Tool Technology	1	4	3	11	8	
	Manufacturing Technology	1	1	5	0	1	
	Welding	2	0	4	3	3	
<b>Total Industry and Technology</b>		<b>120</b>	<b>129</b>	<b>140</b>	<b>138</b>	<b>150</b>	<b>25%</b>
Mathematics	Computer Science	5	2	7	9	8	
	Mathematics	31	38	66	49	54	
	Pre-Engineering	12	22	29	29	19	
<b>Total Mathematics</b>		<b>48</b>	<b>62</b>	<b>102</b>	<b>87</b>	<b>81</b>	<b>69%</b>
Natural Sciences	Biology	13	12	18	27	23	
	Chemistry	4	13	21	14	13	
	Environmental Horticulture	0	0	0	4	4	
	General Science	20	28	47	54	49	
	Geography	0	1	1	1	1	
	Geology	0	0	0	0	2	
	Physical Science	3	10	35	57	42	
	Physics	3	14	23	26	20	
<b>Total Natural Sciences</b>		<b>43</b>	<b>78</b>	<b>145</b>	<b>183</b>	<b>154</b>	<b>258%</b>
<b>All Degrees Awarded</b>		<b>1,351</b>	<b>1,686</b>	<b>2,029</b>	<b>1,962</b>	<b>1,991</b>	<b>47.3%</b>

Source: CCC Chancellor's Office; El Camino College Reporting Services

**Table 17. ECC 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	78	99	88	80	79	
	Transfer Studies	0	0	44	28	30	
<b>Total Behavioral and Social Sciences</b>		<b>78</b>	<b>99</b>	<b>132</b>	<b>108</b>	<b>109</b>	<b>40%</b>

Business	Accounting	13	16	11	6	16	
	Business Management	11	8	19	13	10	
	Computer Information Systems	2	0	0	2	0	
	Marketing	7	10	15	8	5	
	Office Administration	5	7	1	1	0	
	Paralegal Studies	25	27	26	22	21	
	Real Estate	2	1	5	6	2	
<b>Total Business</b>		<b>65</b>	<b>69</b>	<b>77</b>	<b>58</b>	<b>54</b>	<b>-16%</b>
Fine Arts	Art (Various Majors)	2	2	4	2	1	
	Digital Arts	6	2	0	4	2	
	Film/Video	5	3	6	1	1	
	Music	0	0	1	0	1	
	Photography	3	4	0	0	2	
	Theatre	0	0	0	0	5	
<b>Total Fine Arts</b>		<b>16</b>	<b>11</b>	<b>11</b>	<b>7</b>	<b>12</b>	<b>-25%</b>
Health Sciences and Athletics	Radiologic Tech	11	9	8	3	0	
	Respiratory Care	19	16	16	16	17	
	Sign Language/Interp. Training	16	14	8	12	25	
<b>Total Health Sciences and Athletics</b>		<b>46</b>	<b>39</b>	<b>32</b>	<b>31</b>	<b>42</b>	<b>-9%</b>
Humanities	Journalism	4	2	1	3	1	
	English	0	0	0	1	0	
<b>Total Humanities</b>		<b>4</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>-75%</b>
Industry and Technology	Administration of Justice	19	10	13	10	14	
	Air Conditioning & Refrigeration	52	54	50	54	59	
	Architecture	15	13	10	8	8	
	Auto. Collision Repair/Painting	13	11	8	9	8	
	Automotive Technology	14	27	58	43	22	
	Computer Aided Design/Drafting	4	5	2	6	6	
	Construction Technology	4	8	3	5	7	
	Cosmetology	28	49	43	36	36	
	Electronics/CPU Hardware Tech	10	3	8	6	5	
	Fashion	2	2	18	8	2	
	Fire & Emergency Technology	5	27	9	7	10	
	Fire & Emergency Tech. (Paramedic Tech)	28	24	83	25	1	
	Machine Tool Technology*	6	30	13	37	11	
	Manufacturing Technology		2	22	1	1	
Welding	5	2	1	5	4		
<b>Total Industry and Technology</b>		<b>205</b>	<b>267</b>	<b>341</b>	<b>260</b>	<b>194</b>	<b>-5%</b>
Mathematics	Computer Science	0	0	2	2	1	
<b>Total Mathematics</b>		<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>0%</b>
Natural Sciences	Environmental Horticulture	0	2	3	1	3	
<b>Total Natural Sciences</b>		<b>0</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>0%</b>
<b>All Certificates Awarded</b>		<b>414</b>	<b>489</b>	<b>599</b>	<b>471</b>	<b>416</b>	<b>0.5%</b>

Source: CCC Chancellor's Office; El Camino College Reporting Services

\*This program was not in operation due to the remodel project of the ITEC Building during Spring 2015. This directly impacted the number of MTT awards conferred in 2014-15. Additional programs may have also been impacted.