

El Camino College

Degree and Certificate Report: 2016-2017 Academic Year



Summer 2016 – Spring 2017

Executive Summary

The Degree and Certificate Report provides an overview of program award trends at El Camino College. Program awards include associate degrees (arts, science, or transfer) and certificate awards (long-term or short-term). In the past five years, El Camino College awarded 13,706 total degrees and certificates, 9,505 individual students obtained a degree and/or certificate, 8,365 individual students obtained at least one degree, and 2,013 individual students obtained at least one certificate.

El Camino College exceeded the aspirational goal for degrees and the institutional standard for certificate. The aspirational goal of awarding 2,231 was exceeded for the second consecutive year. Additionally, the institutional standard of awarding 435 certificates was exceeded for the second consecutive year. The five-year trend of degrees and certificates disaggregated by academic division can be found in Appendix C.

El Camino College has achieved increases in the number of degrees earned over the past five years. In particular, the number of transfer degrees in arts and science have substantially increased. In total, transfer degrees represented less than 5% of associate degrees awarded during the 2012-13 academic year. After five years, transfer degrees represented 31% of associate degrees awarded during the 2016-17 academic year. Three-year trend data for transfer degrees can be found in Appendix B.

The Degree and Certificate Report also shows that initiative program awards established a sustained growth trend. El Camino College has increased the number of Science, Technology, Engineering and Mathematics (STEM) degrees and certificates awarded since 2012-13. El Camino College has also increased the number of Science, Engineering and Mathematics (SEM) degrees and certificates that have been awarded.

El Camino College confirmed the largest number of program awards during the 2016-17 academic year. Associate degree totals for 2016-17 were as follows: 1,887 students completed an associate degree and 2,616 total associate degrees were awarded (572 students earned more than one associate degree). Additionally, certificate totals for 2016-17 were as follows: 450 students completed a certificate program and 511 total certificates were awarded (40 students earned more than one certificate). Additional population disaggregation on degrees and certificates for 2016-17 can be found in Appendix A.

Introduction

The Degree and Certificate Report provides an overview of program awards earned at El Camino College over the past five years. The report includes data on Chancellor's Office approved associate degrees and certificates. Associate degrees include Associate of Arts (AA), Associate of Science (AS), Associate of Arts for Transfer (AA-T), and Associate of Science for Transfer (AS-T). Certificate awards include short-term awards (18-30 units) and long-term term awards (30-60 units or more than 60 units).

The Degree and Certificate Report also provides data on key program initiatives over the past five years. Program initiatives include Career Technical Education (CTE); Science, Technology, Engineering and Mathematics (STEM); and Science, Engineering and Mathematics (SEM).

Additionally, several tables on program award achievements disaggregated by population demographics are appended to the end of the report. Appendix A includes tables that disaggregate program award achievement by ethnicity, age and gender during the 2016-17 academic year. Appendix B includes tables that provides data on associate degrees for transfer (AA-T and AS-T) over the past three years. Appendix C provides tables on the five-year trend of academic degrees awarded by division.

Purpose

The Degree and Certificate Report provides a detailed overview of student program outcome trends for El Camino College. Academic and other administrators can utilize the report to review program award trends. The report also provides academic administrators with a resource for tracking program outcomes in relation to institutional trends.

Methodology

The Degree and Certificate Report collected data on the total number of program awards (degrees and certificates) confirmed from the 2012-13 academic year to the 2016-17 academic year (date range of 7/1/2012 – 6/30/2017). Each table presents data on the number of awards achieved in a given academic year. Disaggregated population tables take into consideration the program award obtained during an academic year. There are instances when students earn multiple program awards in one academic year. These students are counted once per program award earned in academic year. Degrees and certificates associated with program initiatives were identified using the following methodology:

- Career Technical Education (CTE) programs were identified by utilizing the Centers for Excellence TOP-SOC Crosswalk that is used throughout the California community college system.
- Science, Technology, Engineering and Mathematics (STEM) programs were identified through a crosswalk developed by the Department of Homeland Security.
- Science, Engineering and Mathematics (SEM) programs were identified by Academic Affairs.

Analysis

Analysis of degrees and certificates awarded for the past five years identifies positive trends and downward trends. El Camino College awarded 13,706 total degrees and certificates over the past five years. Additionally, 9,505 individual students obtained a degree and/or certificate over the past five years. Lastly, 8,365 individual students obtained a degree and 2,013 obtained a certificate.

Degree and Certificate Overview

The degree and certificate overview provides a condensed look at the overall program award trends for El Camino College. Degrees reached a five-year high the 2016-17 academic year. Certificates are rebounding with a positive trend over the last two academic years.

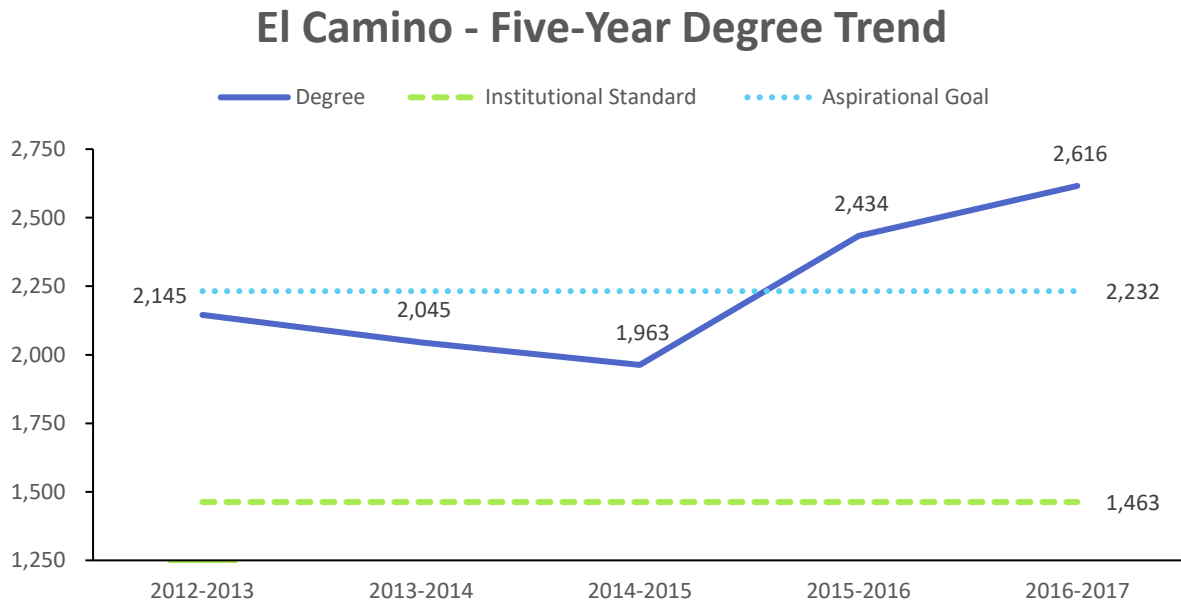
Table 1. Five-Year Degree and Certificates

	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
Degree	2,157	2,047	1,964	2,436	2,616
Certificates	619	478	413	465	511
Total	2,776	2,525	2,377	2,901	3,127

Source: El Camino College Institutional Dataset

Table 1 provides the overall trends of program awards (degrees and certificates) awarded by El Camino College from 2013 to 2017. The overall number of degrees and certificates award in 2016-17 increased by 351 (13%) when compared to the 2012-13 academic year. Additionally, 2016-17 was the second consecutive year in which program awards increased and outpaced 2012-13 academic. Increases in the number of degrees awarded were primarily responsible for the overall increase in program awards. Additionally, the rebound in certificates contributed to the five year high of program awards conferred in 2016-17. Additional population disaggregation of program awards can be found in Table 7, Table 8 and Table 9 in Appendix A

Figure 1. Five-Year Associate Degree Trend



El Camino College exceeded the aspirational goal in degrees awarded for the second consecutive year. Figure 1 provides a visual for the trend of associate degrees awarded at El Camino College over the past five academic years. El Camino College is currently experiencing a two-year positive trend for the number of associate degrees awarded from Fall 2014 to Spring 2017. This trend represents an average increase of approximately 326 associate degrees awarded per year over the past two years. The average decrease was approximately 91 associate degrees in 2012-13 and ended in 2014-15. Additionally, El Camino College confirmed the most associate degrees during the 2016-17 academic (2,616).

Table 2. Five-Year Trend for Degrees Awarded

	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
AA/AA-T	1,355	1,201	1,243	1,611	1,726
AS/AS-T	802	846	721	825	890
Total	2,157	2,047	1,964	2,436	2,616

Source: El Camino College Institutional Dataset

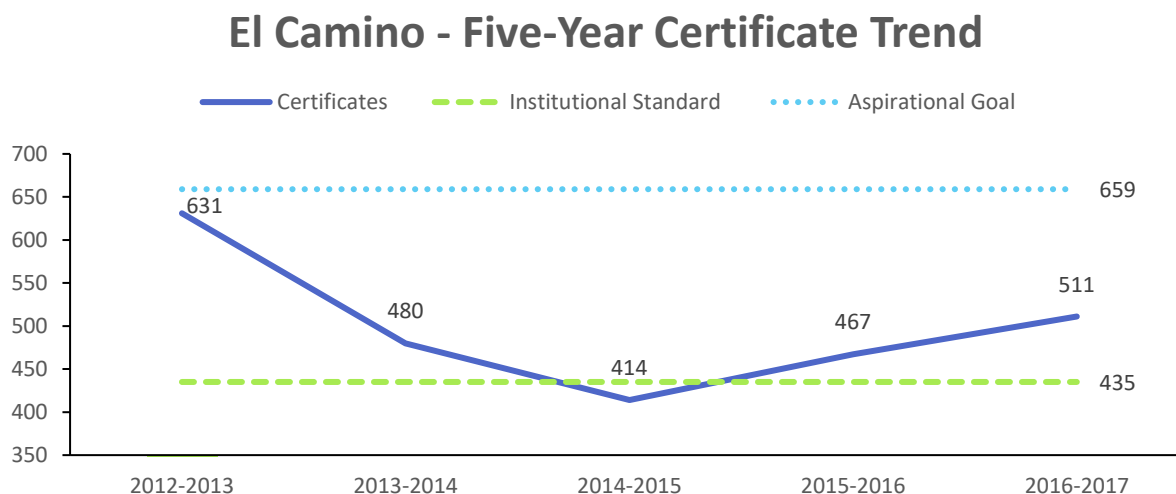
Table 2 provides the numerical five-year trend of earned associate degrees disaggregated by award type. Associate of Arts degrees are represented in the AA/AA-T row. Associate of Science degrees are represented on the AS/AS-T row.

Associate of Arts degrees are in the midst of a sustained positive three-year trend. Table 2 shows that the number of AA degrees (1,726) awarded in 2016-17 was the largest number of AA degrees awarded in the past five academic years. Additionally, there was a substantial increase in the number of AA degrees awarded in 2015-16 from 2014-15. AA degrees increased by 368 (29%) from 2014-15 to 2015-16.

Associate of Sciences degree awards have increased for the second consecutive year. Table 2 shows that the number of AS degrees awarded during 2016-17 was the largest number (890) of AS degrees awarded in the past five academic years. Additionally, there was a substantial increase in the number of AS degrees awarded during 2015-16. AS degrees increased by 104 (14%) from 2014-15 to 2015-16.

Table 2 also shows that El Camino College experienced two consecutive decreases in the total number of associate degrees awarded. Decreases in associate degrees occurred in 2013-14 and 2014-15. Decreases in AA awards in 2013-14 contributed to the overall decline in associate degrees for that academic year. Decreases in AS awards in the 2014-15 contributed to the second year of overall associate degree awards in that academic year. El Camino College quickly rebounded from two consecutive years of decreases to have the largest number of associate degrees awarded in 2016-17.

Figure 2. Five-Year Certificate Trend



El Camino College exceeded the institutional standard in certificate awarded for the second consecutive year. Figure 2 provides a visual on the trend for certificates awarded by El Camino College over the last five years. The certificate trend includes short-term certificates (18-30 units) and long-term certificates (30-60 units or more than 60 units). El Camino College experienced a noticeable decline in the number of certificates awarded from Fall 2012 to Spring 2015. Certificate awards had an overall percentage decrease of one-third (or an average decrease of 103 certificates per year) between Fall 2012 and Spring 2015.

El Camino College is currently in the second consecutive year with an increase in the number of certificates awarded. The current positive trend is an average increase of 33 certificates awarded per academic year. However, the total number of certificates awarded in 2016-17 (511) was still 20% less than the total number of certificate program awards confirmed in 2012-13 (619).

Table 3. Five-Year Trend for Certificates Awarded

Program Award	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
Long-Term	275	211	161	194	206
Short-Term	344	267	252	271	305
Total	619	478	413	465	511

Source: El Camino College Institutional Dataset

Table 3 provides additional insight into certificate award trends over the past five academic years. Certificates are disaggregated into long-term (30-60 units or more than 60 units) and short-term (18-30 units) certificates.

Long-term certificate awards experienced a significant two-year decline of 114 (41%) from 2012-13 to 2014-15. The declining trend turned into a noticeable positive trend of approximately 28% growth by the end of the 2016-17 academic year. The number of long-term certificates awarded has yet to rebound and match the five-year high that was achieved in 2012-13.

Table 3 also shows that short-term certificate awards declined by 77 (27%) after the 2012-13 academic year. The declining trend turned into a noticeable positive trend with an average increase of 22 awards after the 2014-2015 academic year. The trend of short-term certificate awards also followed the overall trend of certificates being awarded at El Camino College.

The overall certificate trend matches the trajectory of both long-term and short-term certificates trends. There were two consecutive years of certificate decreases in 2013-14 and 2014-15. However, the last two academic years showed positive growth in the overall number of certificates awarded. The final number of certificates awarded in 2016-17 (511) was still lower than the five-year high achieved in 2012-13 (619).

Degrees by Type

El Camino College currently offers associate degrees in the areas of arts and sciences. These two degree types each have the additional category of offering transfer degrees. Associate of Arts degrees are referenced as follows: Associate of Arts (AA) and Associate of Arts for Transfer (AA-T). Science associate degrees are referenced as follows: Associate of Science (AS) and Associate of Science for Transfer (AS-T).

Table 1. Five-Year Associate Degrees and Transfer Degrees

	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
AA	1,266	1,071	1,017	1,188	1,243
AA-T	89	130	226	423	483
AS	796	811	678	623	561
AS-T	6	35	43	202	329
Total	2,157	2,047	1,964	2,436	2,616

Source: El Camino College Institutional Dataset

Table 4 provides the numerical five-year trend of each associate degree type awarded by El Camino College. AA awards had two consecutive years of decline from 2013-15 (an overall decline of 19%). Associate of Art (AA) awards rebounded after the 2014-15 academic year. El Camino College experienced two consecutive years of positive increases in AA awards since 2014-15. The positive trend is represented by average increase of 113 Associate of Arts awarded in the last two years.

Associate of Sciences degrees experienced three consecutive years of decline in the number of awards confirmed. This downward trend spanned from 2014-15 to 2016-17. Table 4 shows that the largest number of AS degrees awarded over the past five years occurred during 2013-14. El Camino College has since experienced an overall 30% decrease in the number of AS degrees confirmed. This is an average decrease of 83 AS degrees per year.

Transfer degrees experienced four consecutive years of growth. AA-T awards increased from 89 awards in 2012-13 to 483 awards in 2016-17. AS-T awards increased from 6 awards in 2012-13 to 329 awards in 2016-17. Increases in transfer degrees strongly supported the overall increase in degrees awarded over the past five years. The 2,616 degrees awarded in 2016-17 represented a 21% increase from the number of degrees awarded in 2012-13.

Table 2. Five-Year Percentage Trend for Associate Degrees and Transfer Degrees

	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
AA	59%	52%	52%	49%	48%
AA-T	4%	6%	12%	17%	18%
AS	37%	40%	35%	26%	21%
AS-T	<1%	2%	2%	8%	13%
Total	2,157	2,047	1,964	2,436	2,616

Source: El Camino College Institutional Dataset

Table 5 provides the percentage trends of associate degree awards over the past five years. The table shows that AA-Ts and AS-Ts represented less than 5% of associate degrees awarded during 2012-13. AA and AS degrees represented 96% of the degrees awarded during 2012-13. Transfer degrees represented 31% of associate degrees awarded during 2016-2017. The combination of AA and AS degrees represented 69% of degrees awarded during 2016-2017.

Data presented in Table 4 and Table 5 shows that associate degree awards increased over the past five years. El Camino College had an overall increase in associate degrees award by 459 (21%) when comparing 2012-13 with the 2016-17. The overall increases in degrees awarded was supported by a rebound in AA degrees and increases in transfer degrees (AA-Ts and AS-Ts). Increases in AS-T degrees have compensated for decreases in AS degrees. Additional population disaggregation of associate degrees can be found in Table 10, Table 11 and Table 12 in Appendix A.

Initiative Overview

El Camino College is currently tracking three initiative programs. Career and Technical Education (CTE) is an initiative program which includes career based degrees or certificates awards that prepare students for employment upon completion. Science, Technology, Engineering and Mathematics (STEM) is an initiative program which typically includes one of the following divisions at El Camino College: Natural Science, Mathematics, as well as Industry & Technology. Science Engineering and Mathematics (SEM) is an initiative program which typically includes one of the following divisions at El Camino College: Natural Science and Mathematics.

Table 3. Five-Year Trend of Initiative Program Awards

Initiative	Award	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
CTE	Degree	669	673	581	625	660
	Certificate	580	450	378	420	440
STEM	Degree	417	419	384	463	513
	Certificate	10	12	6	16	23
SEM	Degree	219	232	204	230	243
	Certificate	3	2	1	1	19

Source: El Camino College Institutional Dataset

Table 6 provides an overview of all initiative awards over the past five academic years. CTE degree awards achieved a five-year high of 673 during the 2013-14 academic year. However, there was a noticeable decline of 92 (13%) in the subsequent academic year of 2014-15. CTE awards are trending upwards with two consecutive increase over the past two academic years.

CTE certificates went through two consecutive years of noticeable decreases from 2013 to 2015. Table 6 shows that CTE certificates decreased by one-third by the end of 2015. However, Table 6 also shows that CTE certificates started rebounding with two consecutive years of increases in CTE certificates awards. However, CTE certificates had an overall decrease of 24% by the end of 2016-17.

The majority of STEM program awards were achieved by associate degrees. Table 6 shows that there was a noticeable decrease of 35 (8%) in STEM degrees awarded in 2014-15 from the previous year. Table 6 also shows that there were significant increases in 2015-16 by 79 (20%) and an additionally increase of 50 (10%) in 2016-17.

Similar to STEM program awards, the majority SEM program awards were achieved through associate degrees. Table 6 shows that SEM degrees decreased by 28 (12%) during 2014-15. The only decrease in SEM awards occurred during 2014-15. SEM awards rebounded by 26 (13%) during 2015-16 and had the largest number of SEM degrees (243) during 2016-17. Table 6 also shows that SEM certificates had a dramatic increase in 2016-17 (3 certificates in 2012-13 to 19 certificates in 2016-17). Further study showed that Computer Science certificates comprised all the SEM certificates awarded in the past five years. This includes the 19 SEM certificates

awarded in 2016-2017. Additional disaggregation initiative programs can be found in Table 13, Table 14 and Table 15 in Appendix A.

Conclusion

El Camino College experienced both downward and positive trends over the past five years. Overall degree and certificate awards dropped in 2013-14 and 2014-15. The overall low for program awards occurred in 2014-15. However, El Camino College experienced a rebound in both degree and certificates since the 2014-2015 academic year. Overall program awards reached a five-year high by the end of the 2016-17 academic year. This achievement was supported through a rebound in certificates and increases in transfer degree awards. Additionally, increases in STEM and SEM awards have also supported the five-year high of program awards obtained in 2016-17.

Figure 3. Program Awards Percentage Breakdown per Year

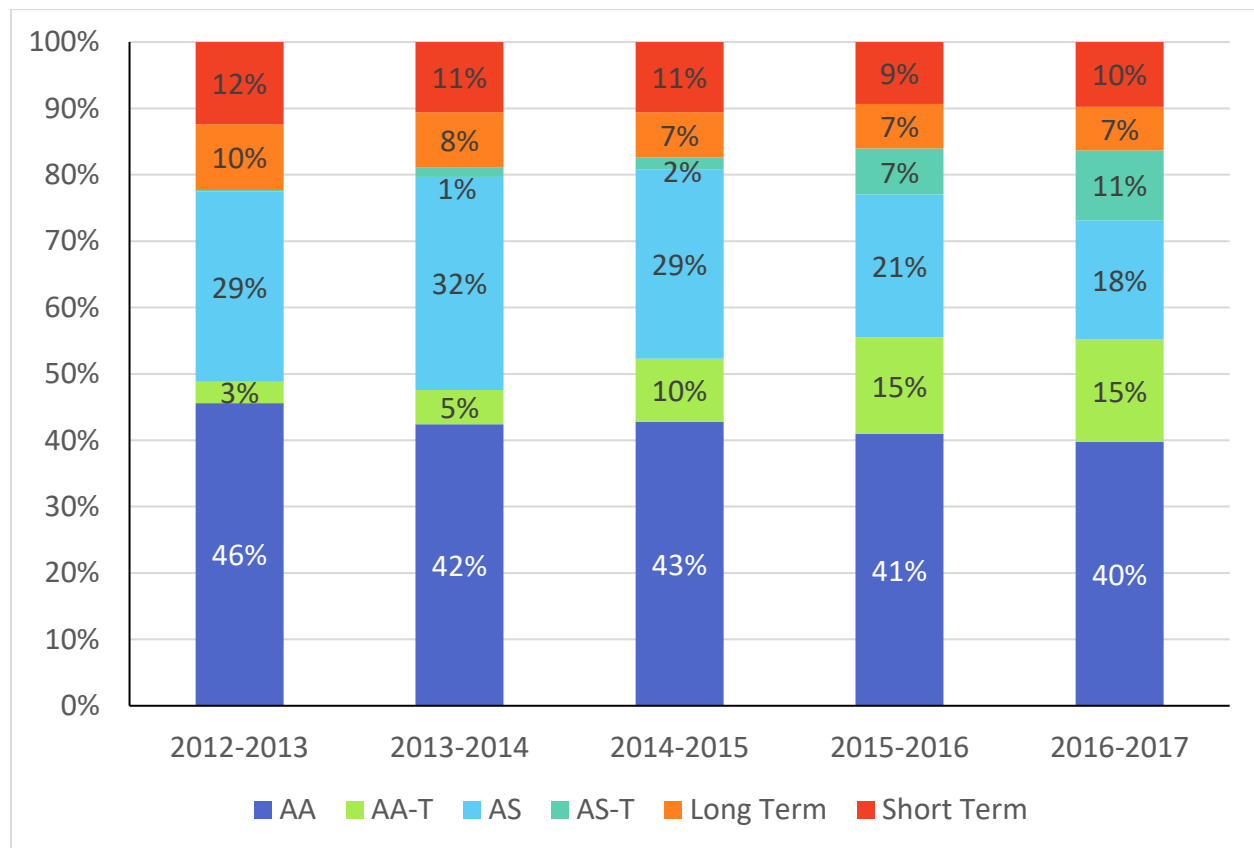


Figure 3 provides the distribution of awards earned by student by award type over the last five academic years. The percentage of AA degrees awarded decreased from 46% in 2012-13 to 40% in 2016-17. The percentage of AA-T degrees increased from 3% in 2012-13 to 15% in 2016-17. The percentage of AS degrees decreased from 29% in 2012-13 to 18% in 2016-17. The percentage of AS-T degrees increased from 1% in 2013-14 to 11% in 2016-17. The percentage of long-term certificates decreased from 10% in 2012-13 to 7% in 2016-17. The percentage of short-term degrees decreased from 12% in 2012-13 to 10% in 2016-17. Additional program

award disaggregation by transfer degree can be found in Table 16 and Table 17 in Appendix B. Disaggregation program awards by division can be found in Table 18 and Table 19 in Appendix C.

Appendix A

2016-2017 Population Disaggregation

The population disaggregation section provides disaggregated percentages of degrees and certificates earned in the 2016-2017 academic year. Population disaggregation includes tables on ethnicity, age cohorts, as well as gender. Program award types and program initiatives.

Table 4. Overall Degree and Certificates by Ethnicity (2016-2017)

Ethnic Group	Degrees	Certificates	Fall 2013 Enrollment
Asian	20%	14%	15%
Black	9%	8%	17%
Latino	50%	52%	48%
Native American	**	**	<1%
Pacific Islander	**	**	<1%
Two or More	5%	4%	4%
Unknown	**	**	1%
White	15%	20%	14%

Source: El Camino College Institutional Dataset

** Percentages suppressed

Table 7 provides the percentage of overall degrees and certificates earned in 2016-2017 by ethnicity.

Table 8. Degrees and Certificates by Age (2016-2017)

	Under 20	20 to 24	25-49	Over 50
Degrees	32%	46%	21%	1%
Certificates	20%	33%	44%	3%
Fall 2013 Enrollment	29%	41%	26%	4%

Source: El Camino College Institutional Dataset

Table 8 provides the percentage of program awards earned by age cohort.

Table 9. Overall Degrees and Certificate by Gender (2016-2017)

	Female	Male
Degrees	58%	42%
Certificates	44%	56%
Fall 2012 Enrollment	51%	49%

Source: El Camino College Institutional Dataset

Table 9 provides the percentage of program awards earned by gender.

Table 10. Program Awards by Ethnicity (2016-2017)

2016-2017	AA	AA-T	AS	AS-T	Long-term	Short-term
Asian	17%	14%	31%	18%	10%	17%
Black	11%	7%	6%	6%	10%	7%
Latino	49%	58%	40%	56%	44%	57%
Native American	**	**	< 1%	**	**	< 1%
Pacific Islander	**	< 1%	< 1%	**	**	**
Two or More	5%	5%	4%	5%	5%	3%
White	16%	14%	18%	13%	28%	14%
Unknown	**	**	**	**	**	**

Source: El Camino College Institutional Dataset

** Percentages suppressed

Table 10 provides the percentage of 2016-2017 program awards completed by award type of ethnicity.

Table 11. 2016-2017 Program Awards by Age Cohort

Age Cohort	AA	AA-T	AS	AS-T	Long-term	Short-term
Under 20	33%	37%	24%	34%	16%	18%
20 to 24	46%	50%	42%	51%	41%	43%
25 to 49	21%	12%	33%	16%	38%	35%
Over 50	< 1%	**	**	**	4%	5%
Total	100%	100%	100%	100%	100%	100%

Source: El Camino College Institutional Dataset

** Percentage suppressed

Table 11 provides the percentage of program awards earned by program type and age cohort.

Table 52. Percentage of Program Awards Obtained by Gender (2016-2017)

	AA	AA-T	AS	AS-T	Long-term	Short-term
Female	26%	10%	7%	5%	3%	4%
Male	14%	5%	11%	5%	4%	6%

Source: El Camino College Institutional Dataset

Table 12 provides the percentage of program awards earned by program type and gender.

Table 13. Initiative Awards by Ethnicity (2016-2017)

Ethnic Group	CTE		STEM		SEM	
	Degrees	Certificates	Degrees	Certificates	Degrees	Certificates
Asian	22%	13%	31%	35%	32%	42%
Black	8%	9%	3%	4%	2%	5%
Latino	48%	52%	44%	39%	43%	32%
Native American	<1%	<1%	**	**	**	**
Pacific Islander	<1%	**	<1%	**	<1%	**
Two or More	5%	4%	3%	4%	3%	0%
Unknown	**	2%	**	4%	**	5%
White	14%	20%	18%	13%	19%	16%

Source: El Camino College Institutional Dataset

** Percentage suppressed

Table 13 provides the percentage of degrees and certificates earned in 2016-2017 by initiative. Program awards are further disaggregated by ethnicity.

Table 14. Initiative Awards by Age (2016-2017)

		20 to 24	25-49	Over 50	Under 20	Total
CTE	Degree	25%	43%	31%	**	659
	Certificate	18%	31%	48%	3%	439
STEM	Degree	26%	45%	28%	2%	294
	Certificate	43%	43%	13%	**	23
SEM	Degree	25%	45%	28%	2%	243
	Certificate	47%	42%	11%	**	19

Source: El Camino College Institutional Dataset

** Percentage suppressed

Table 14 provides the percentage of degrees and certificates earned in 2016-2017 by initiative. Program awards are further disaggregated by age cohort

Table 15. Initiative by Gender

		Female	Male	Total
CTE	Degrees	51%	49%	659
	Certificates	43%	57%	439
STEM	Degrees	31%	69%	294
	Certificates	9%	91%	23
SEM	Degrees	32%	68%	243
	Certificates	11%	89%	19

Source: El Camino College Institutional Dataset

Table 15 provides the percentage of degrees and certificates earned in 2016-2017 by initiative. Program awards are further disaggregated by age cohort.

Appendix B



Table 16. Associate of Arts for Transfer 2016-2017

Program	2014-2015	2015-2016	2016-2017
Anthropology	1	7	11
Art-Art History		6	2
Art-Studio Art	3	17	22
Communication Studies	40	65	70
Economics		19	14
Elementary Teacher Education		6	10
English	25	29	23
Geography	1	3	5
History	15	24	22
Journalism		2	5
Kinesiology	2	10	15
Philosophy		3	1
Political Science	11	17	35
Psychology	65	113	125
Sociology	61	98	113
Spanish		1	1
Theatre	1	3	4
Total AA-Ts	226	423	483

Source: El Camino College Institutional Dataset

Table 17. Associate of Science for Transfer 2016-2017

Program	2014-2015	2015-2016	2016-2017
Administration of Justice	22	55	63
Business Administration	3	114	218
Early Childhood Education	6	10	24
Geology	2	4	
Kinesiology		1	
Mathematics	8	7	20
Physics	3	11	9
Total AS-Ts	43	202	329

Source: El Camino College Institutional Dataset

Appendix C

Table 18. Five-Year Associate Degree Trend: Behavioral & Social Sciences

Major	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
Anthropology	13	8	7	3	3	-77%
Anthropology for Transfer			1	7	11	1000%
Childhood Education	58	48	33	33	22	-62%
Early Childhood Education for Transfer		4	6	10	24	500%
Economics	43	27	27	14	10	-77%
Economics for Transfer				19	14	-26%
Elementary Teacher Education for Transfer				6	10	67%
Ethnic Studies-African American Studies				1		-100%
Ethnic Studies-American Cultures	1				1	0%
General Studies	27	12	4	7	1	-96%
General Studies-Arts & Humanities	254	212	206	239	280	10%
General Studies-Biological & Physical Sciences	136	133	134	173	219	61%
General Studies-Communication Studies	7	1	2	2	1	-86%
Major	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend

General Studies- Culture & Communication	50	48	56	55	44	-12%
General Studies-Fine & Applied Arts	20	20	15	28	21	5%
General Studies- Kinesiology & Wellness	22	23	27	21	18	-18%
General Studies-Social & Behavioral Sciences	335	298	318	454	495	48%
History	16	7	7	2	5	-69%
History for Transfer	1	6	15	24	22	2100%
Liberal Studies	1	4	2			-100%
Liberal Studies- Teacher Prep	19	17	15	19	13	-32%
Philosophy	1	1	1	3	1	0%
Philosophy for Transfer				3	1	0%
Political Science	8	8	7	2	2	-75%
Political Science Transfer			11	17	35	218%
Psychology	19	4	4	1		-100%
Psychology for Transfer	39	33	65	113	125	221%
Sociology	12	10	4		1	-92%
Sociology for Transfer	31	52	61	98	113	265%
Total	1113	976	1028	1354	1492	34%

Table 19. Five-Year Associate Degree Trend: Fine Arts

Major	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
Art History	4	3			1	-75%
Art-Art History	2	4			1	-50%
Art-Art History for Transfer				6	2	-67%
Art-Studio Art	31	41	18	20	13	-58%
Art-Studio Art for Transfer			3	17	22	633%
Communication Studies	4					-100%
Communication Studies for Transfer	18	30	40	65	70	289%
Dance	2			1		-100%
Film/Video	11	9	10	12	15	36%
Film, T.V., & Electronic Media	1					-100%
Music	6	5	8	6	4	-33%
Photography	4	3	5	4	4	0%
Speech Communication	1					-100%
Theatre	3		4	1		-100%
Theatre for Transfer			1	3	4	300%
Total	87	95	88	132	132	52%

Table 20. Five-Year Associate Degree Trend: Humanities

Major	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
English	47	37	21	12	9	-81%
English for Transfer		7	25	29	23	229%
French	7	7	6	14	8	14%
Japanese	10	6	8	10	6	-40%
Journalism	3	2	2	1	1	-67%
Journalism for Transfer				2	5	150%
Spanish	8	6	4	3	5	-38%
Spanish for Transfer				1	1	0%
Spanish-Transfer	2	1				-100%
Total	78	69	67	72	58	-26%

Table 21. Five-Year Associate Degree Trend: Business

Major	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
Accounting	13	17	14	11	11	-15%
Business Administration	163	167	154	94	44	-73%
Business Administration for Transfer	2	2	3	114	218	10800%
Business Management	25	34	15	31	11	-56%
Computer Information Systems	15	13	12	17	14	-7%
Marketing	10	18	7	8	10	0%
Office Administration-Management Option	1	3				-100%
Office Administration-Office Systems Option	1	2		2		-100%
Paralegal Studies	21	13	19	10	8	-62%
Real Estate	7	3	4	7	6	-14%
Real Estate-Mortgage Brokerage	1	2				-100%
Real Estate-Real Estate Option			2			-100%
Total	259	274	230	294	322	24%

Table 22. Five-Year Associate Degree Trend: Health Sciences & Athletics

Major	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
Kinesiology for Transfer			2	11	15	650%
Laboratory Technician (Medical)		1				-100%
Nursing	88	97	91	79	68	-27%
Physical Education	5	6	2	6	3	-40%
Pre-Medicine	1					-100%
Pre-Nursing	15	29	21	22	43	286%
Radiologic Technology	30	26	15	15	14	-53%
Recreation			1	2	1	0%
Respiratory Care	17	17	19	10	13	-24%
Sign Language/Interpreter Training	8	10	19	9	13	63%
Total	164	186	170	154	156	-5%

Table 23. Five-Year Associate Degree Trend: Industry & Technology

Major	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
AC&R HVAC & Refrigeration Option	2					-100%
Administration of Justice	38	35	21	18	11	-71%
Administration of Justice for Transfer	2	11	22	55	63	3050%
Air Conditioning & Refrigeration	5	5	5	5	3	-40%
Architecture	15	9	13	11	13	-13%
Automotive Collision Repair/Painting	4	2	3	5		-100%
Automotive Engine Rebuilding & Repair Tech.			1			-100%
Automotive Technology	10	7	10	7	3	-70%
Cabinet & Fine Woodworking	1		1		1	0%
Cert. of Compl. E&C/HT Computer Hardware Tech Option		1	1			-100%
Cert. of Compl. E&C/HT Electronics Technician Opt.			1			-100%
Cisco Networking Administration				1		-100%

Major (Cont.)	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
Computer Aided Design/Drafting	4	6	8	7	5	25%
Computer Aided Design/Drafting-AS				1		-100%
Construction Technology	3	4	4	7	3	0%
Cosmetology	4	5	7	1	3	-25%
AS Cosmetology-Day Program	1		1			-100%
Electronics & Computer Hardware Tech-Computer Tech	7	4	4	3	3	-57%
Electronics & Computer Hardware Tech-Electronics Tech	4	6	5	2	7	75%
Engineering Technology-Engineering Technician					2	0%
Engineering Technology-Engineering Technology	1				1	0%
Fashion Design and Production	6	6		2	6	0%
Fashion Merchandising	7	3	1	8	3	-57%
Fire & Emergency Tech-Paramedical Tech Opt					1	0%

Major (Cont.)	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
Fire & Emergency Tech.	33	29	32	25	27	-18%
Fire & Emergency Tech.- Paramedical Tech.	4	3	3	2	5	25%
Industrial Technology	2					-100%
Machinist	5	8		5	2	-60%
Manufacturing Technology	3	2			1	-67%
Microcomputer Support & Network Management		2		1		-100%
Numerical Control Programmer	8	14	1	10	5	-38%
Paramedical Technician	83	25	1	3	64	-23%
Welding	2	2	4	5	8	400%
Welding Evening Program	1	1				-100%
Welding Day Program	1	1		1		-100%
Total	171	160	146	175	171	0%

Source: El Camino College Institutional Dataset

Table 24. Five-Year Associate Degree Trend: Natural Sciences

Major	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
Astronomy		1		1		0%
Biology	23	22	14	14	16	-30%
Chemistry	9	9	16	14	17	-8%
Environmental Horticulture				5	3	-40%
General Science	37	37	42	42	47	27%
Geography		1		1		0%
Geography (Transfer)	4		2	1	1	-75%
Geology (Transfer)	2	1		2	1	-50%
Physics	10	8	11	20	36	260%
Physics (Transfer)	2	6	8	6	4	100%
Total	87	85	93	106	125	44%

Table 25. Five-Year Certificate of Achievement Trends: Behavioral & Social Sciences

Major	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
Early Childhood Education	86	74	67	72	89	3%
Early Intervention Assistant	3	7	5	4		-100%
Special Education Assistant	4	7	5	6		-100%
Transfer Studies - IGETC	26	8	15	21	14	-46%
Transfer Studies-CSU Breadth	21	20	19	22	37	76%
Total	140	116	111	125	140	0%

Table 26. Five-Year Certificate of Achievement Trends: Fine Arts

Major	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
Art-Digital Arts-Computer Animation				1		-100%
Art-Digital Arts-Graphic Design	1	2				-100%
Art-Digital Arts-Visual Communications			1	3		-100%
Art-Digital Arts-Web Design			1	1		-100%
Art-Gallery Management		1		1		-100%
Art-Jewelry Design & Fabrication	3	2	1	7	1	-67%
Commercial Music	1		1	3	1	0%
Film/Video Production	6	1	1	2	4	-33%
Photography		2	2	6	3	50%
Total	11	8	7	24	9	-18%

Table 27. Five-Year Certificate of Achievement Trends: Health Sciences & Athletics

Major	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
Radiologic Technology	8	1				-100%
Respiratory Care-Achievement	17	17	19	10	12	-29%
Sign Language/Interpreter Training			1	1		-100%
Sign Language/Interpreter Training	8	13	22	7	17	113%
Total	33	31	42	18	29	-12%

Table 28. Five-Year Certificate of Achievement Trends: Humanities

Major	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
Journalism		1	3	1		-100%
Total		1	3	1		-100%

Table 29. Five-Year Certificate of Achievement Trends: Mathematics

Major	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
Computer Science	3	2	1	1	19	533%
Total	3	2	1	1	19	533%

Table 30. Five-Year Certificate of Achievement Trends: Natural Sciences

Major	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
Environmental Horticulture	3	1	4	7	4	33%
Total	3	1	4	7	4	33%

Table 31. Five-Year Certificate of Achievement Trends: Industry & Technology

Major	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
Architecture	11	7	8	7	5	-55%
Auto Brakes/Suspension Trans/Drive Train Tech	17	12	6	7	7	-59%
Automotive Collision Repair/Painting I	10	6	7	13	4	-60%
Automotive Collision Repair/Painting II	1					-100%
Automotive Engine Rebuilding/Repair Tech.	2	2	1		5	150%
Automotive Technician I	18	8	7	7	5	-72%
Automotive Technician II	3	1	3	3		-100%
Automotive Tune-Up Technician	25	18	10	15	28	12%
Cabinet & Fine Woodworking		1	2	4	1	0%
Computer Hardware Tech Option		1	1			-100%
Electronics Technician Opt.			1			-100%
Cisco Networking Administration				1		-100%
Cnc Machine Operator	15	18	4	11	18	20%
Computer Aided Design/Drafting	3	6	5	8	3	0%
Computer Hardware Electronics Technician	6	4	2	4	4	-33%

Major (Cont.)	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
Computer Pattern Making Technician	10	2			1	-90%
Construction Technology	4	5	5	11	2	-50%
Cosmetology Level II	1			40	36	3500%
Cosmetology Level III	43	36	35	2		-100%
Costume Technician	2	1				-100%
Electronics Engineering Technician		1	2	2	3	200%
Entertainment Lighting Technology			5			-100%
Fashion Design and Production	4	1			1	-75%
Fashion Merchandising	1	1		2	2	100%
Fashion Stylist	4	1	1		2	-50%
Fire & Emergency Tech-Paramedical Tech Opt					1	0%
Fire & Emergency Technology	6	6	9	6	14	133%
Fire Academy	1	1	1	3	4	300%
Forensics	1		1	1	1	0%
Computer Hardware Electronics Technician	6	4	2	4	4	-33%
Machinist	14	13	2	12	8	-43%
Manufacturing Technology	3	2			1	-67%

Major (Cont.)	2012-13	2013-14	2014-15	2015-16	2016-17	5-Year Trend
Microcomputer Support & Network Management		2		1		-100%
Numerical Control Programmer	8	14	1	10	5	-38%
Paramedical Technician	83	25	1	3	64	-23%
Microcomputer Support & Network Management		2		1		-100%
Numerical Control Programmer	8	14	1	10	5	-38%
Paramedical Technician	83	25	1	3	64	-23%
Welding I - Day Option	1					-100%
Welding-Achievement		6	6	7	12	1200%
Total	357	261	198	249	284	-20%