



## **CAREER AND TECHNICAL EDUCATION (CTE)**

### **2-Year Review SUPPLEMENTAL QUESTIONS**

#### ***Administration of Justice Program***

***Prepared by:***

***Ray Lewis, Professor***

***Mark C. Fields, Associate Professor***

**1. *How strong is the occupational demand for the program?***

Demand for law enforcement and related occupations has remained strong over the past five years and is projected to continue over the next decade. The college regularly receives recruitment information and in the current semester we received information from the California Highway Patrol, Riverside Sheriff, Berkeley PD, San Francisco PD, Torrance PD, El Segundo PD, LA Sheriff's Department, LAPD, and the FBI. These recruitments were for sworn positions and non-sworn positions.

The California Employment Development Department projects 972 police and sheriff job openings per year in Los Angeles County over the next decade. According to the Program Advisory Committee members this is due to several factors including a continued robust economy providing the tax base for hiring, population growth in the region resulting in increased position allotments, the retiring "Baby Boomer" generation, retirements due to disability, and early retirement benefits that generally start at 50 years of age.

According to the Bureau of Labor Statistics employment in protective service occupations is expected to grow by 13.7% nationally over the next decade.

**2. *How does the program address needs that are not met by similar programs in the region?***

The El Camino College Administration of Justice Program offers rigorous curriculum and is staffed by some of the top ranked faculty in the region. According to the Program Advisory Committee, El Camino College graduates have an outstanding reputation in the region. Many of the leadership positions in local law enforcement are El Camino graduates. The program boasts five (5) POST Master Instructors, more than any other college in the region. Our course offerings include a POST Reserve Academy and PC832 Laws of Arrest training which meet the needs of local employers in both law enforcement and private security.

**3. *What are the completion, success, and employment rates for students in the program?***

Information obtained from Calpass LaunchBoard and El Camino College Institutional Research (Appendix A) show the following:

- Overall student success in the program for Fall 2017 was 73%, above the institutional standard of 69%
  - Success rates for Latino students was 71%
  - Success rates for female students was 75%

- Success in online courses was 71%, also above institutional standards
  - AJ was one of the first programs on campus to adopt the Online Education Initiatives' Course Design Rubric as the standard for its online courses.
  - Associate Faculty Mark C. Fields has done extensive research in online andragogy/pedagogy and preparing faculty to teach online.

#### **Action Plan for student success:**

The AJ program faculty use input from the Program Advisory Committee to update curriculum, course offerings, and degree/certificates

- AJ 170 Laws of Arrest, Search, & Seizure was updated and renamed to Constitutional Law for Criminal Justice. Topics including freedom of speech, freedom of assembly, and use of force were added to the curriculum based on an increased public accountability in those areas.
- A Cyber-Security certificate was submitted for approval

#### **Action Plan for sustained enrollment:**

Department faculty and administration plan for sustained enrollment in the following manner:

- Outreach through on campus activities including the Career Fair,
- Dual and concurrent enrollment with feeder high schools.
- Recruitment of associate faculty with demonstrated instruction skills. The program currently boasts five (5) POST

#### **4. List any licensure/certification exam(s) required for entry into the workforce in the field of study and report the most recent pass rate(s) among program graduates.**

There are no licensure or certification exams for the core program. AJ 49- Arrest Search & Seizure is regulated by POST with a minimum passing score of 70% overall.

#### **5. Are the students satisfied with their preparation for employment? Are the employers in the field satisfied with the level of preparation of program graduates?**

Calpass LaunchBoard Career & Technical Education Outcomes Survey results (Appendix B) were used for this data. The survey was conducted in the 2014-15 A/Y

Satisfaction with the education and training received:

- 89% were satisfied or very satisfied as compared to 91% statewide

Impact on coursework on employment:

- 50% said the ECC AJ program had some positive impact on their employment compared to 66% statewide.

The Program Advisory Committee was surveyed and overall they were satisfied with the level of preparation for our students. One common issue identified was "soft skills" which included interpersonal communications. The AJ Program has addressed these concerns in a number of ways including the use of group activities in all courses, the Administration of Justice Club, and mock interviews for prospective applicants.

#### **Action plan for improvement:**

There are a number of variables not related to the AJ program which will have an impact on students gaining employment

in the Administration of Justice field. These include strict physical and psychological standards and behavioral standards which would lead to disqualification on a background exam (drug use, credit history, body art).

Professor Lewis recently instituted a Fitness Workout for students to help prepare them for the rigorous Physical Abilities Testing required for uniformed law enforcement.

Additional research is warranted to determine what impact these factors had on gainful employment and what can be done to improve success in this area

6. **Is the advisory committee satisfied with the level of preparation of program graduates? How has advisory committee input and feedback been used in the past two years to ensure employer needs are met by the program?** Describe the status and impact of any advisory committee recommendations.

Advisory Communities minutes and roster are included in Appendix B

Advisory Committee recommendations are incorporated into the program as listed in previous sections. These include revision of curriculum to address current topics in law enforcement including ethics, use of force, and “soft skills” including interpersonal communication.

CTEOS Export		
Survey year	School or Region	Program

[illegible]



[illegible]

[illegible]

[illegible]

## Metric

Average # of Units

Average # of Units

Average # of Units

Average GPA

Average GPA

Average GPA

Change in hours worked

Change in job permanence

Change in average hourly wages

Change in hours worked

Change in job permanence

Change in average hourly wages

Change in hours worked

Change in job permanence

Change in average hourly wages

Primary reason students studied at the college

Primary reason students studied at the college

Primary reason students studied at the college

Primary reason students studied at the college

Primary reason students studied at the college

Primary reason students studied at the college

Satisfaction with the education and training received at the college

Satisfaction with the education and training received at the college

Satisfaction with the education and training received at the college

Satisfaction with the education and training received at the college

Satisfaction with the education and training received at the college

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

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Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

What students did after completing coursework

What students did after completing coursework

Use of career services

## Use of career services

### Internship or work-based learning experience

### Transfer pathway

### Transfer pathway

Two year or four year college or university

### Third party credentials

Gender: Cohort

Ethnicity: Cohort

Ethnicity: Cohort

Ethnicity: Cohort

Ethnicity: Cohort

Age: Cohort

Age: Cohort

Age: Cohort

Age: Cohort

### Disabled Student Programs and Services (DSPS) Status: Cohort

## Limited English Proficiency: Cohort

Survey Response Rate: Respond

Gender: Respond

Ethnicity: Respond

Ethnicity: Respond

Ethnicity: Respond

Ethnicity: Respond

Ethnicity: Respond

Age: Respond  
Age: Respond  
Age: Respond  
Age: Respond  
Age: Respond  
Age: Respond  
Age: Respond  
Disabled Student Programs and Services (DSPS) Status: Respond  
Disabled Student Programs and Services (DSPS) Status: Respond  
Limited English Proficiency: Respond  
Limited English Proficiency: Respond  
Impact of coursework on employment  
Impact of coursework on employment  
Impact of coursework on employment  
Impact of coursework on employment  
Impact of coursework on employment  
Impact of coursework on employment  
Current employment status  
Current employment status  
Current employment status  
Current employment status  
Current employment status  
Current employment status  
Length of current employment  
Length of current employment  
Length of current employment  
Length of current employment  
Length of current employment  
Relationship of current job to field of study  
Job search outcomes  
Job search outcomes  
Job search outcomes  
Job search outcomes  
Job search outcomes  
Length of job search  
Length of job search  
Length of job search  
Length of job search  
Length of job search  
Seeking to change fields  
Seeking to change fields  
Job permanence before coursework  
Job permanence before coursework  
Job permanence before coursework  
Job permanence after coursework  
Job permanence after coursework

Job permanence after coursework  
Hours worked before coursework  
Hours worked before coursework  
Hours worked before coursework  
Hours worked after coursework  
Hours worked after coursework  
Hours worked after coursework  
Program of study  
Program of study  
Program of study  
Program of study  
Program of study  
Program of study  
Program of study  
Program of study  
Program of study  
Program of study  
Program of study  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Employment before college  
Employment before college  
Average hourly wages before coursework  
Average hourly wages after coursework

## Sub Category

All students  
Non-respondents  
Respondents  
All students  
Non-respondents  
Respondents  
Positive Change  
Positive Change  
Positive Change  
No Change  
No Change  
No Change  
Negative Change  
Negative Change  
Negative Change  
Earn a certificate or degree AND transfer  
Earn a certificate or degree NOT to transfer  
Earn transfer units with or without getting an associate degree  
Take classes to update job skills or renew a license/permit  
Take classes for self-enrichment only  
Other (open-ended)  
Very satisfied  
Satisfied  
Neither satisfied nor dissatisfied  
Dissatisfied  
Very dissatisfied  
My goals were met  
I completed the program  
Didn't have enough time for classes  
I got a job  
My job changed  
Relocation  
Need more time to decide what I want  
Classes I needed were not available  
Family or personal reasons  
Program was not what I wanted  
Semester is too long  
I needed more ESL and/or basic skills to be successful  
Transferred to another school  
I am still enrolled  
Financial reasons  
I stopped attending for a while but then I returned  
I obtained an industry certification or licensure in the same field of study  
I obtained a journey-level status in the same field of study  
Yes-many times



Yes-once or a few times

No-not at all

No

Yes-paid

Yes-unpaid

No, I did not transfer

Yes, I transferred to a different college IN THE SAME FIELD OF STUDY

Yes, I transferred to a different college IN A DIFFERENT FIELD OF STUDY

Two-year college

Four-year college or university

Other

I obtained an official industry certification or state/professional license in the same field of study (not a college-av

I obtained an official certification of journey-level status in the same field of study

Male

Female

Asian

Black or African American

Hispanic/Latino

American Indian or Alaska Native

Native Hawaiian or Other Pacific Islander

Two or more races

White

Unknown

19 or Less

20 to 24

25 to 29

30 to 34

35 to 39

40 to 49

50 +

Yes

No

Enrolled in at least one basic skills ESL course

Neither enrolled in ESL nor identified as needing ESL

Phone

Email

SMS

Male

Female

Asian

Black or African American

Hispanic/Latino

American Indian or Alaska Native

Native Hawaiian or Other Pacific Islander

Two or more races

White

Unknown

19 or Less

20 to 24

25 to 29

30 to 34

35 to 39

40 to 49

50 +

Yes

No

Enrolled in at least one basic skills ESL course

Neither enrolled in ESL nor identified as needing ESL

Enabled me to learn skills that allowed me to stay in my current job

Enabled me to learn skills that allowed me to get a promotion at my same organization

Enabled me to learn skills that allowed me to get a job at a new organization

Enabled me to start my own business

Prepared me for a possible new job

No impact on my employment

Self-employed

Employed at one job

Employed at more than one job

Working, but not for pay (caregiving, volunteering, etc.) and not seeking paid employment

Working, but not for pay, seeking paid employment

Unemployed, seeking employment

Unemployed, not seeking employment

Less than 6 months

6 months to 1 year

1 – 2 years

2 – 3 years

3 or more years

Percentage in a Job Closely Related to Field of Study

Yes, and I found a job

Yes, and I still have not found a job

No, I was already employed when I finished my courses and training

No, I was not looking for employment after I finished my courses and training

Not applicable as I am still pursuing my studies

0 months (I found one by the time I finished school)

1 - 3 months

4 - 6 months

7 - 12 months

13+ months

Yes

No

Permanent

Temporary

Seasonal

Permanent

Temporary

Seasonal

Full-time (40 or more hours per week)

Part-time (20 to 39 hours per week)

Part-time (less than 20 hours per week)

Full-time (40 or more hours per week)

Part-time (20 to 39 hours per week)

Part-time (less than 20 hours per week)

Accounting

Business

Child development/early childhood education (ece)

Computer science

Criminal justice/administration of justice

Dental hygiene/assisting

Graphic design

Interior design

Nursing

Paralegal

Other (open ended)

None (n/a)

Agriculture, Forestry, Fishing and Hunting

Accommodation and Food Services (e.g., restaurant server, bartender)

Administrative and Support and Waste Management and Remediation Services (e.g., security guard)

Arts, Entertainment, and Recreation

Construction

Educational Services (e.g., teacher, tutor)

Finance and Insurance

Health Care and Social Assistance (e.g., dental hygienist, nurse, counselor, radiologic technologist, patient service

Information (e.g., library services)

Management of Companies and Enterprises

Manufacturing

Mining

Professional, Scientific, and Technical Services (e.g., veterinary technician, accountant, paralegal, legal assistant, ir

Public Administration (court operations clerk, firefighter, police or correctional officer)

Real Estate Rental and Leasing (e.g., real estate agent or broker)

Retail Trade (e.g., pharmacy technician, retail associate)

Transportation and Warehousing (e.g., limousine driver, truck driver)

Utilities

Wholesale Trade

Other (open ended)

Yes

No

Category	Value	Denominator	Rate	State Value
All Students	60.5501355	351		52.03914765
All Students	60.23272727	264		49.59722735
All Students	61.4787234	87		57.59766966
All Students	2.840867209	351		2.39106075
All Students	2.762618182	264		2.336721553
All Students	3.069787234	87		2.500919142
All Students	35		0.171428571	
All Students	35		0.057142857	
All Students	24		0.708333333	
All Students	35		0.685714286	
All Students	35		0.8	
All Students	24		0.166666667	
All Students	35		0.142857143	
All Students	35		0.142857143	
All Students	24		0.125	
All Students	9	66	0.136363636	531
All Students	19	66	0.287878788	1088
All Students	26	66	0.393939394	1353
All Students	3	66	0.045454545	217
All Students	7	66	0.106060606	230
All Students	2	66	0.03030303	207
All Students	48	85	0.564705882	2135
All Students	28	85	0.329411765	1572
All Students	6	85	0.070588235	224
All Students				73
All Students	3	85	0.035294118	58
All Students	22	63	0.349206349	1638
All Students	20	63	0.317460317	1661
All Students	6	63	0.095238095	485
All Students	6	63	0.095238095	920
All Students	2	63	0.031746032	375
All Students	0	63	0	379
All Students	0	63	0	0
All Students	6	63	0.095238095	311
All Students	4	63	0.063492063	439
All Students	0	63	0	0
All Students	0	63	0	0
All Students	0	63	0	0
All Students	19	63	0.301587302	1154
All Students	0	63	0	0
All Students	4	63	0.063492063	283
All Students	3	63	0.047619048	345
All Students	9	16	0.5625	621
All Students	7	16	0.4375	223
All Students	2	65	0.030769231	214

All Students	19	65	0.292307692	746
All Students	44	65	0.676923077	2642
All Students	55	65	0.846153846	3118
All Students	3	65	0.046153846	177
All Students	7	65	0.107692308	292
All Students	32	65	0.492307692	1993
All Students	26	65	0.4	1241
All Students	7	65	0.107692308	339
All Students	3	33	0.090909091	138
All Students	30	33	0.909090909	1395
All Students				28
All Students	9	16	0.5625	621
All Students	7	16	0.4375	146
All Students	181	351	0.515669516	9155
All Students	170	351	0.484330484	7203
All Students	72	351	0.205128205	1871
All Students	44	351	0.125356125	993
All Students	156	351	0.444444444	6648
All Students				68
All Students				70
All Students	14	351	0.03988604	599
All Students	58	351	0.165242165	5468
All Students	7	351	0.01994302	789
All Students	7	351	0.01994302	739
All Students	171	351	0.487179487	7237
All Students	88	351	0.250712251	3693
All Students	27	351	0.076923077	1836
All Students	18	351	0.051282051	1009
All Students	19	351	0.054131054	1190
All Students	21	351	0.05982906	792
All Students	15	351	0.042735043	880
All Students	336	351	0.957264957	15626
All Students	5	351	0.014245014	509
All Students	346	351	0.985754986	15989
All Students	22	90	0.244444444	2484
All Students	39	90	0.433333333	1960
All Students	29	90	0.322222222	652
All Students	48	181	0.26519337	2585
All Students	39	170	0.229411765	2374
All Students	20	72	0.277777778	608
All Students	10	44	0.227272727	288
All Students	40	156	0.256410256	2071
All Students				20
All Students				21
All Students	3	14	0.214285714	176
All Students	12	58	0.206896552	1665
All Students	2	7	0.285714286	152

All Students	1	7	0.142857143	219
All Students	33	171	0.192982456	2168
All Students	20	88	0.227272727	986
All Students	6	27	0.222222222	527
All Students	6	18	0.333333333	306
All Students	10	19	0.526315789	430
All Students	11	21	0.523809524	365
All Students	3	15	0.2	332
All Students	84	336	0.25	4669
All Students	0	5	0	179
All Students	87	346	0.251445087	4819
All Students	3	60	0.05	227
All Students	4	60	0.066666667	261
All Students	7	60	0.116666667	562
All Students	4	60	0.066666667	118
All Students	12	60	0.2	1042
All Students	30	60	0.5	1127
All Students	7	63	0.111111111	238
All Students	37	63	0.587301587	2199
All Students	5	63	0.079365079	373
All Students	0	63	0	41
All Students	1	63	0.015873016	36
All Students	9	63	0.142857143	360
All Students	4	63	0.063492063	273
All Students	6	46	0.130434783	437
All Students	9	46	0.195652174	471
All Students	7	46	0.152173913	745
All Students	8	46	0.173913043	393
All Students	16	46	0.347826087	706
All Students				308
All Students	16	61	0.262295082	913
All Students	6	61	0.098360656	254
All Students	21	61	0.344262295	1080
All Students	6	61	0.098360656	299
All Students	12	61	0.196721311	942
All Students	5	16	0.3125	228
All Students	5	16	0.3125	367
All Students	3	16	0.1875	164
All Students	2	16	0.125	82
All Students	1	16	0.0625	55
All Students	14	46	0.304347826	851
All Students	32	46	0.695652174	1919
All Students	31	40	0.775	1757
All Students	7	40	0.175	469
All Students	2	40	0.05	128
All Students	32	47	0.680851064	2233
All Students	11	47	0.234042553	474

All Students	4	47	0.085106383	94
All Students	25	41	0.609756098	1261
All Students	11	41	0.268292683	821
All Students	5	41	0.12195122	266
All Students	25	47	0.531914894	1880
All Students	19	47	0.404255319	653
All Students	3	47	0.063829787	262
All Students	8	66	0.121212121	125
All Students	12	66	0.181818182	389
All Students	2	66	0.03030303	190
All Students	2	66	0.03030303	116
All Students	10	66	0.151515152	1331
All Students	0	66	0	2
All Students	1	66	0.015151515	56
All Students	0	66	0	7
All Students	3	66	0.045454545	179
All Students	1	66	0.015151515	45
All Students	25	66	0.378787879	976
All Students	2	66	0.03030303	147
All Students	0	44	0	41
All Students	1	44	0.022727273	185
All Students	0	44	0	83
All Students	3	44	0.068181818	90
All Students	3	44	0.068181818	101
All Students	4	44	0.090909091	262
All Students	2	44	0.045454545	92
All Students	4	44	0.090909091	351
All Students	0	44	0	35
All Students	3	44	0.068181818	60
All Students	1	44	0.022727273	91
All Students	0	44	0	4
All Students	3	44	0.068181818	185
All Students	2	44	0.045454545	368
All Students	1	44	0.022727273	31
All Students	2	44	0.045454545	190
All Students	1	44	0.022727273	93
All Students	0	44	0	33
All Students	1	44	0.022727273	12
All Students	13	44	0.295454545	357
All Students	41	63	0.650793651	2367
All Students	22	63	0.349206349	1164
All Students	29		18.7446875	
All Students	29		22.43842105	

State Denominator	State Rate
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16506	
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11505	
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5001	
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16506	
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11505	
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5001	
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3626	0.146442361
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3626	0.300055157
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3626	0.373138445
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3626	0.05984556
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3626	0.063430778
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3626	0.0570877
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4062	0.525603151
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4062	0.387001477
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4062	0.055145249
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4062	0.017971443
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4062	0.01427868
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3430	0.47755102
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3430	0.48425656
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3430	0.141399417
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3430	0.268221574
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3430	0.109329446
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3430	0.110495627
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3430	0
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3430	0.090670554
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3430	0.127988338
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3430	0
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3430	0
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3430	0
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3430	0.336443149
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3430	0
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3430	0.082507289
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3430	0.10058309
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844	0.735781991
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844	0.264218009
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3602	0.059411438
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3602	0.207107163
3602	0.733481399
3587	0.86925007
3587	0.049344856
3587	0.081405074
3573	0.55779457
3573	0.347327176
3573	0.094878254
1561	0.088404869
1561	0.893657912
1561	0.01793722
767	0.809647979
767	0.190352021
16506	0.554646795
16506	0.436386768
16506	0.11335272
16506	0.060159942
16506	0.402762632
16506	0.004119714
16506	0.004240882
16506	0.036289834
16506	0.331273476
16506	0.0478008
16496	0.044798739
16496	0.438712415
16496	0.223872454
16496	0.111299709
16496	0.061166343
16496	0.0721387
16496	0.048011639
16506	0.053313946
16506	0.946686054
16506	0.030837271
16506	0.968678056
5096	0.48744113
5096	0.384615385
5096	0.127943485
9155	0.282359366
7203	0.329584895
1871	0.324959914
993	0.290030211
6648	0.311522262
68	0.294117647
70	0.3
599	0.293823038
5468	0.304498903
789	0.192648923

739	0.296346414
7237	0.299571646
3693	0.266991606
1836	0.287037037
1009	0.303270565
1190	0.361344538
792	0.460858586
880	0.377272727
15626	0.298796877
509	0.351669941
15989	0.301394709
3337	0.068025172
3337	0.078213965
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2664	0.011636637
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2664	0.03490991
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2664	0.134009009
3531	0.670348343
3531	0.329651657



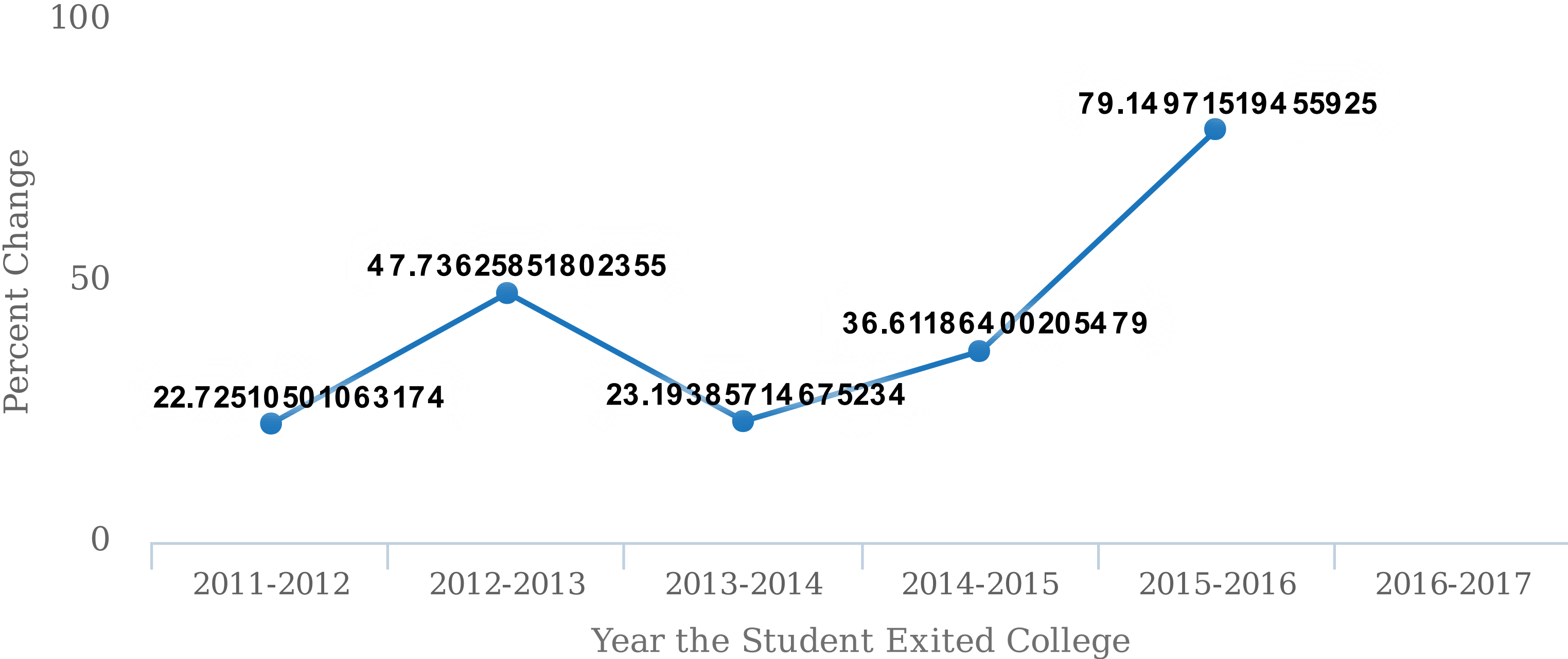
## Satisfaction with the education and training received at the college



	College	Statewide
Very satisfied	56%	53 %
Satisfied	33%	39 %
Neither satisfied nor dissatisfied	7%	6 %
Dissatisfied	*	2 %
Very dissatisfied	4%	1 %

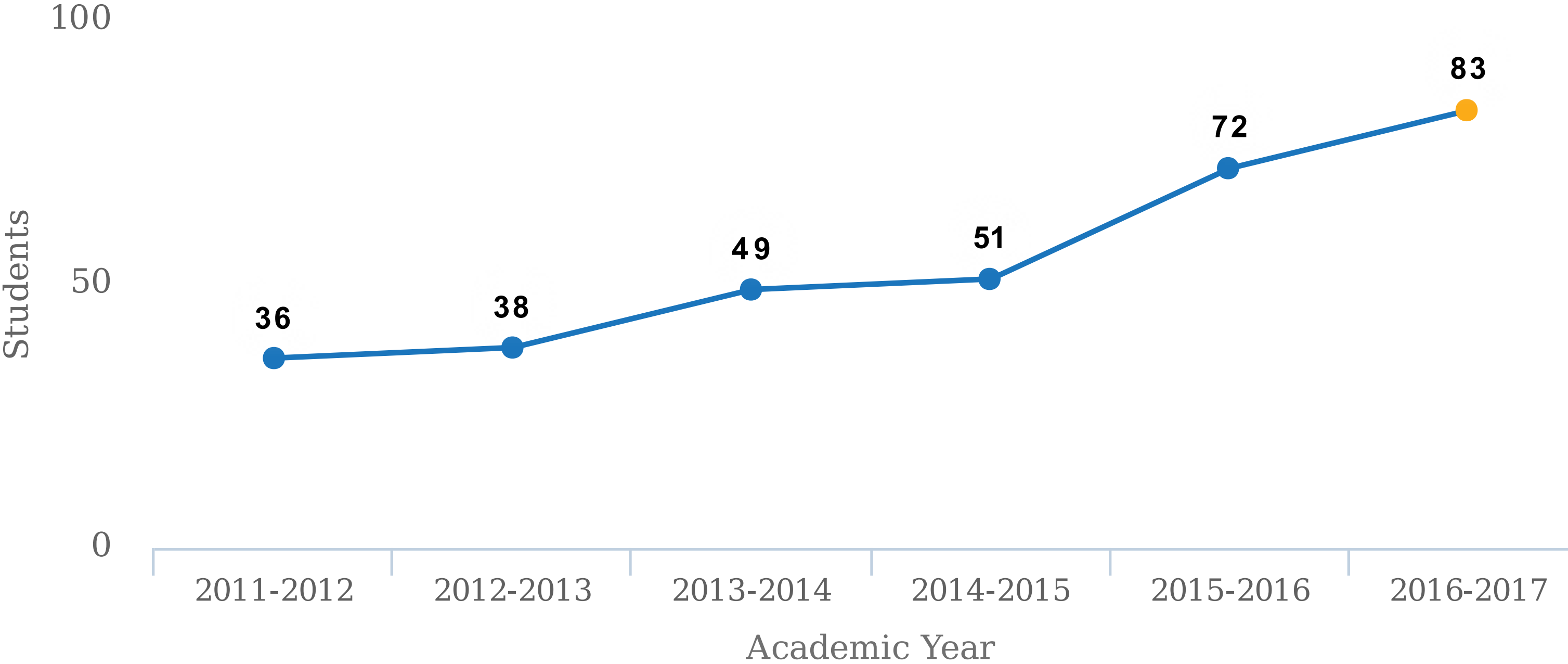
# Median Change in Earnings

El Camino College || Administration of Justice (2105) || 2016-2017



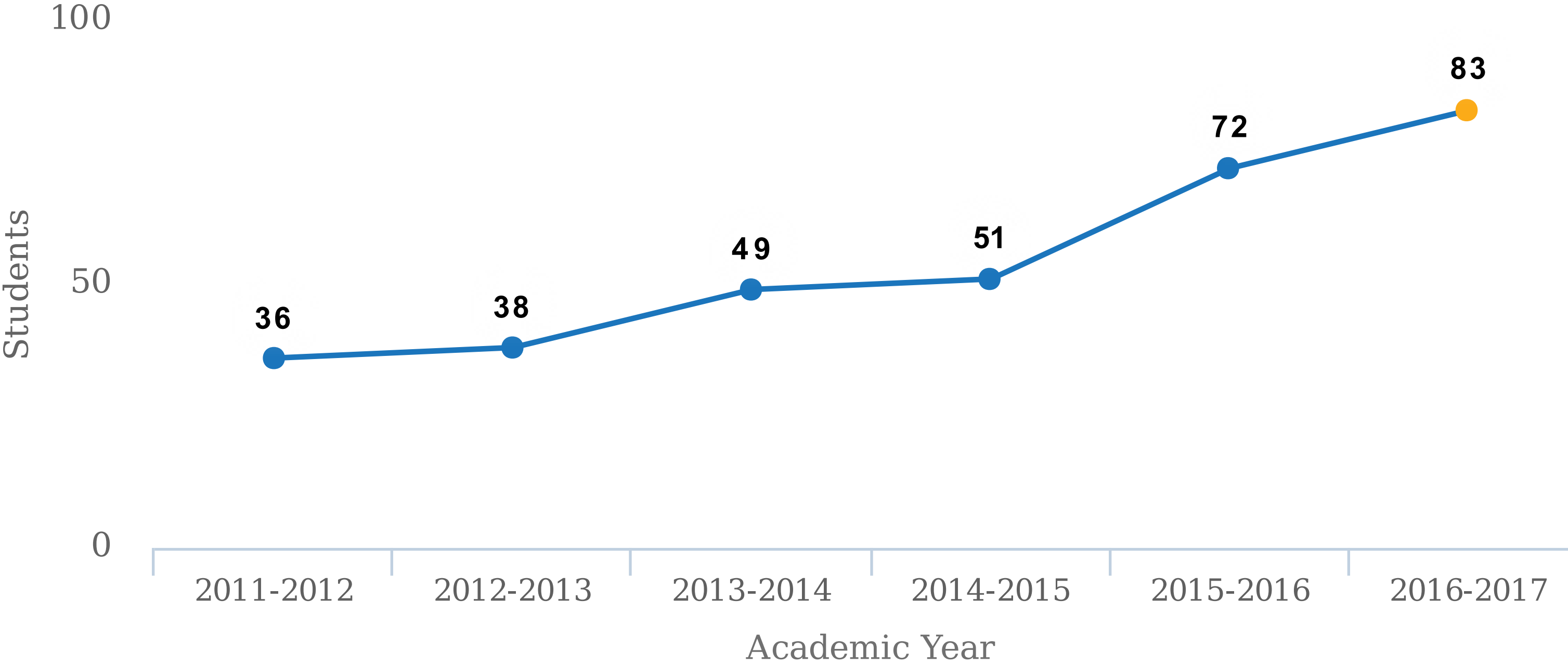
# Number of Students Who Earned a Degree or Certificate

El Camino College || Administration of Justice (2105) || 2016-2017



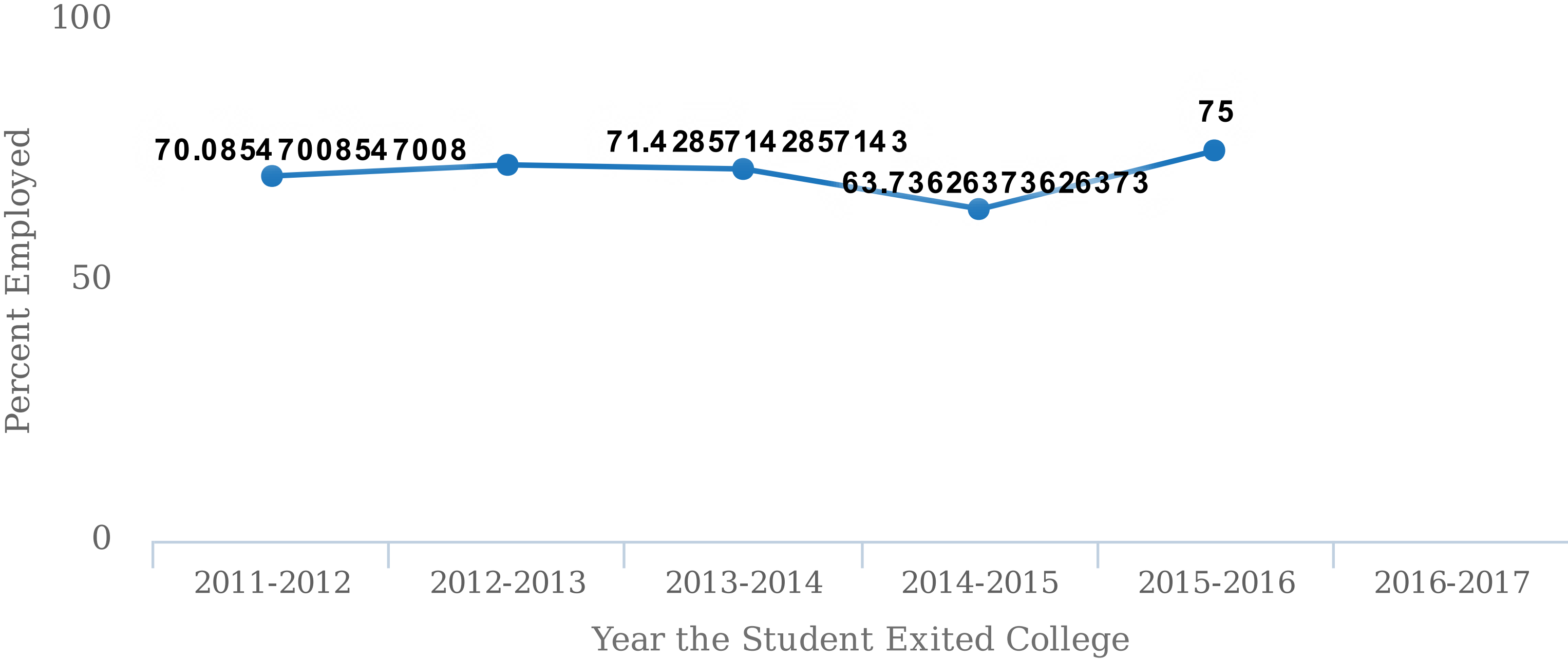
# Number of Students Who Earned a Degree or Certificate

El Camino College || Administration of Justice (2105) || 2016-2017



# Employed in the Second Fiscal Quarter After Exit (All Exiters)

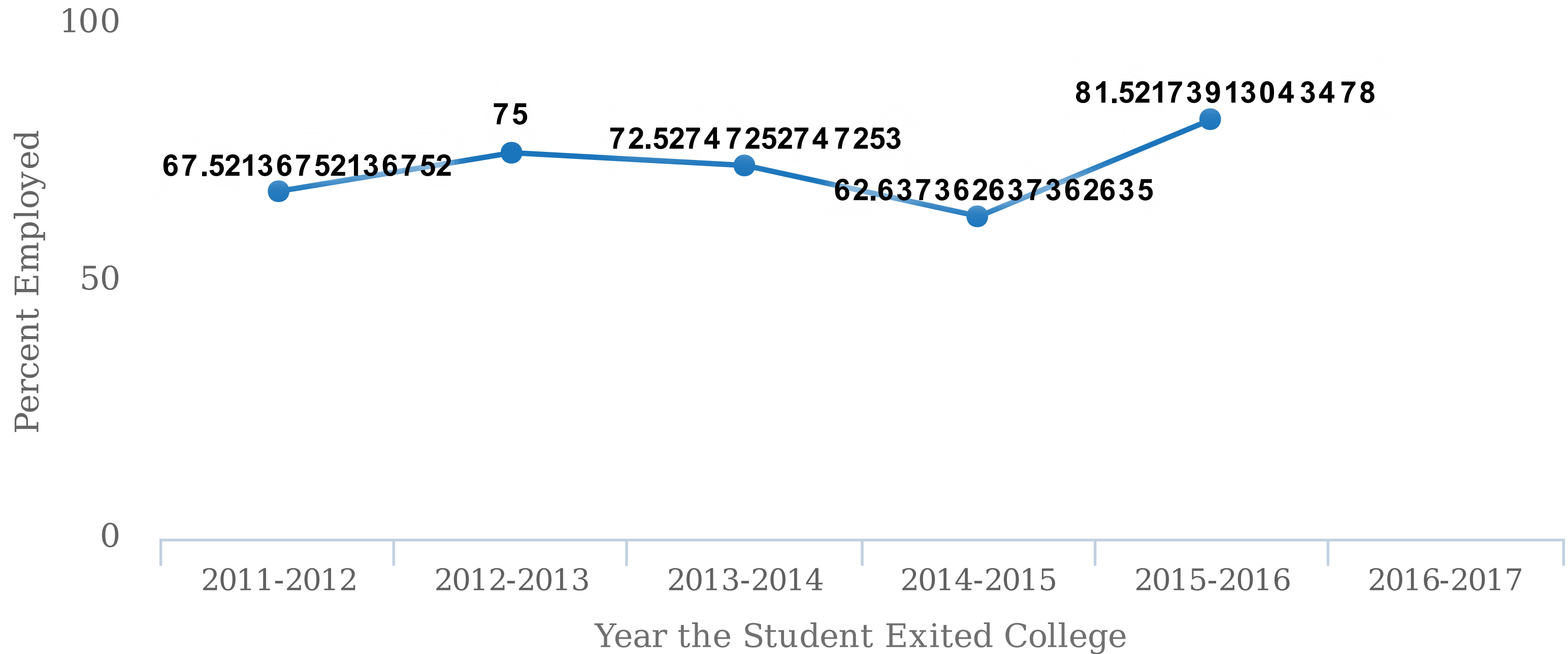
El Camino College || Administration of Justice (2105) || 2016-2017





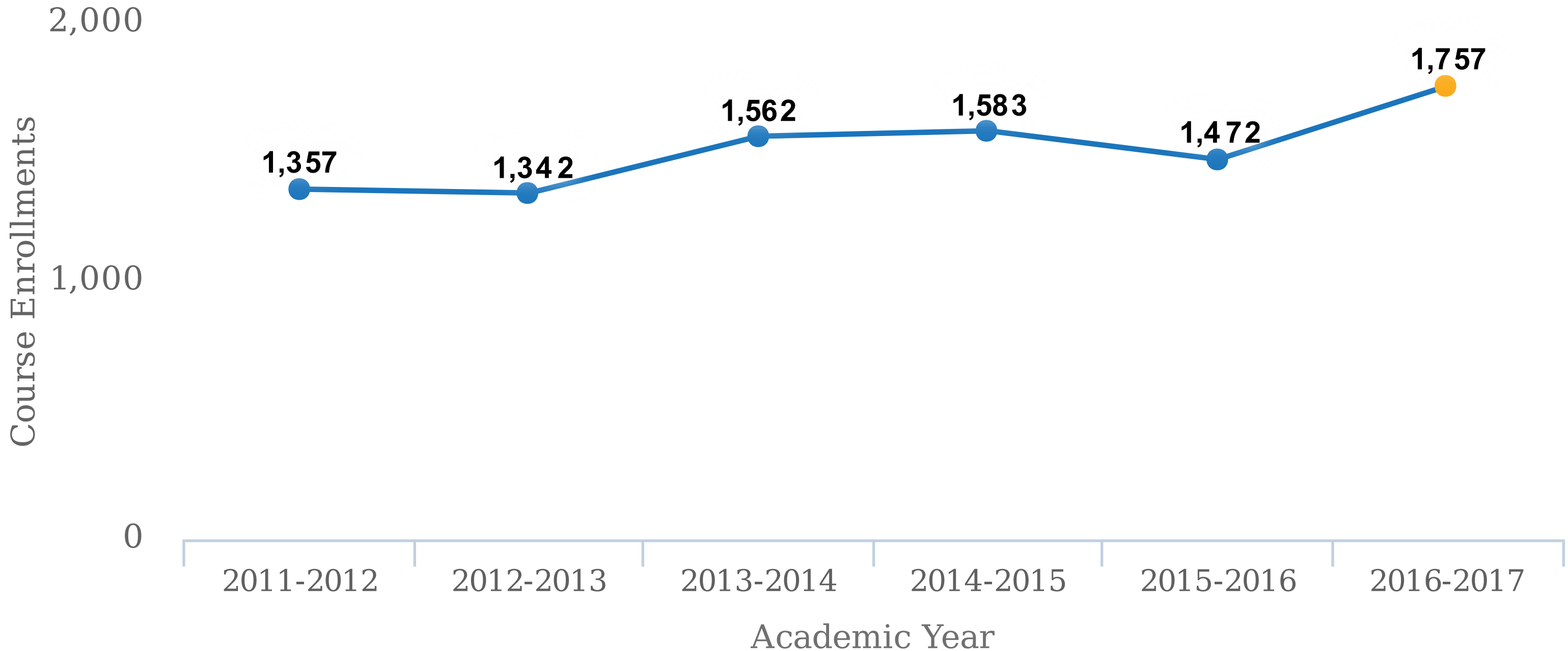
# Employed in the Fourth Fiscal Quarter After Exit

El Camino College || Administration of Justice (2105) || 2016-2017



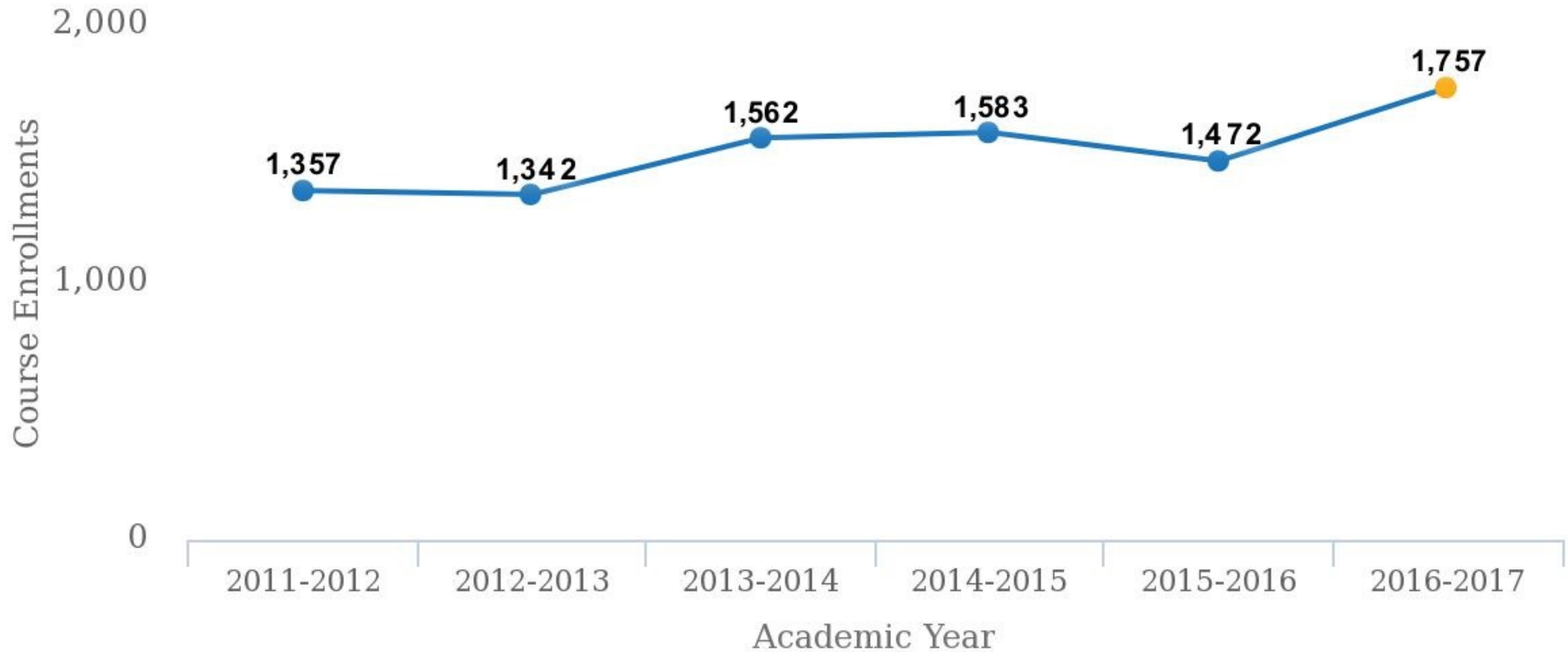
# Number of Course Enrollments

El Camino College || Administration of Justice (2105) || 2016-2017



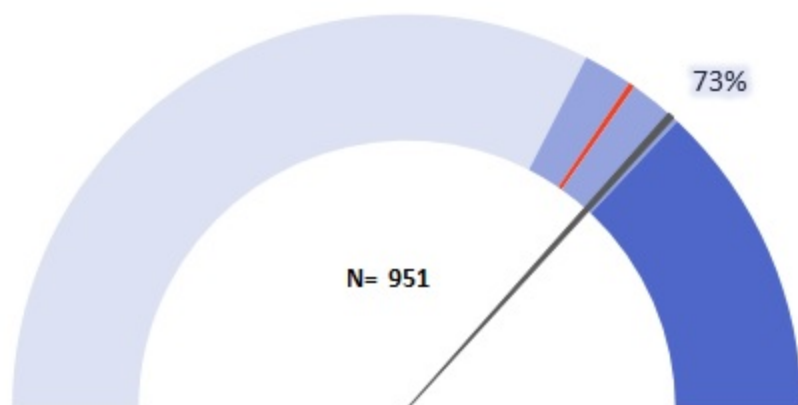
# Number of Course Enrollments

El Camino College || Administration of Justice (2105) || 2016-2017



## El Camino College

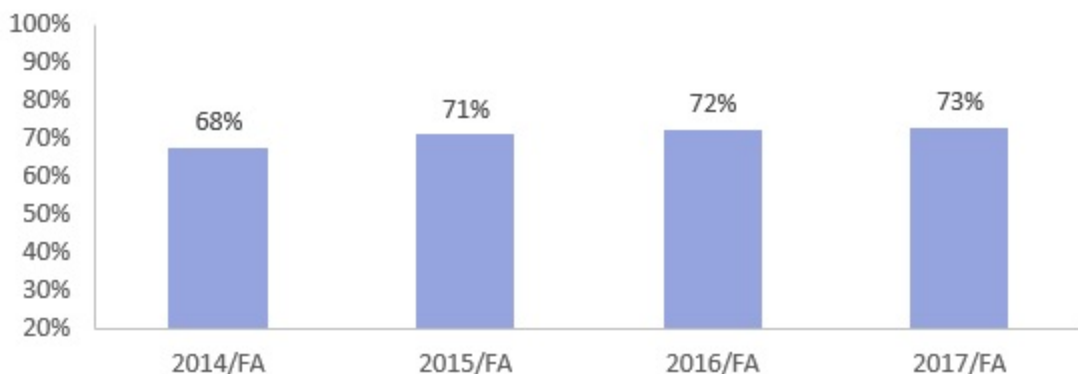
### Fall 2017 Success Rates



Term 2017/FA  
 Division Industry & Technology  
 Department AJ  
 Course (All)

Instructional Method (All)  
 Race/Ethnicity (All)  
 Gender (All)  
 Age Group (All)

### Four Year Success Trend



Division

Industry & Technology

Department

ACR

ACRP

AJ

ARCH

ATEC

CADD

COSM

CTEC

Instruction Method

On Campus

Online

Gender

Female

Male

Age Group

17 to 19

20 to 24

25 to 29

30 to 49

50+

Special Admit

Course

AJ-10

AJ-100

AJ-103

AJ-109

AJ-111

AJ-115

AJ-12

AJ-130

Race/Ethnicity

African American

American Indian/A...

Asian

Latino

Pacific Islander

Student Visa

Two or More Races

Unknown or Decline

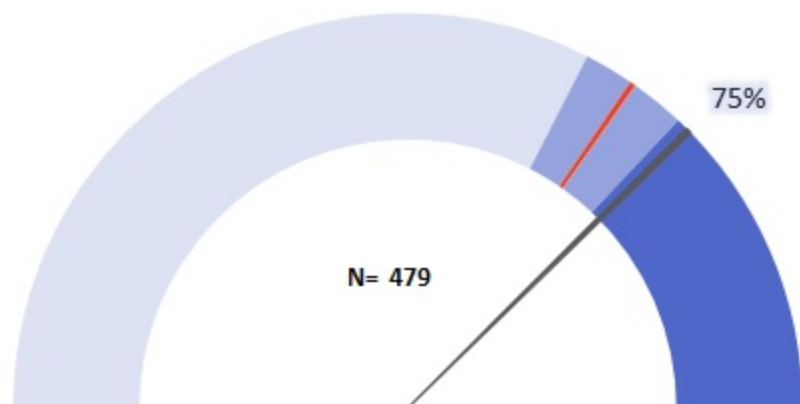
Use the SLICERS above to drill down into the success rates for different categories. Use the "CLEAR FILTERS" button to clear all selections and start over.

CLEAR  
FILTER

The light shaded area indicates success rates below the institution-set standard of 65%. The medium shaded area indicates success rates above the institution-set standard but below the College goal of 74%. The dark shaded area indicates success rates above the College goal. The red line indicates the El Camino College success rate for the term. The N value refers to the number of enrollments rather than the number of students.

## El Camino College

### Fall 2017 Success Rates



Term 2017/FA

Division Industry & Technology

Department AJ

Course (All)

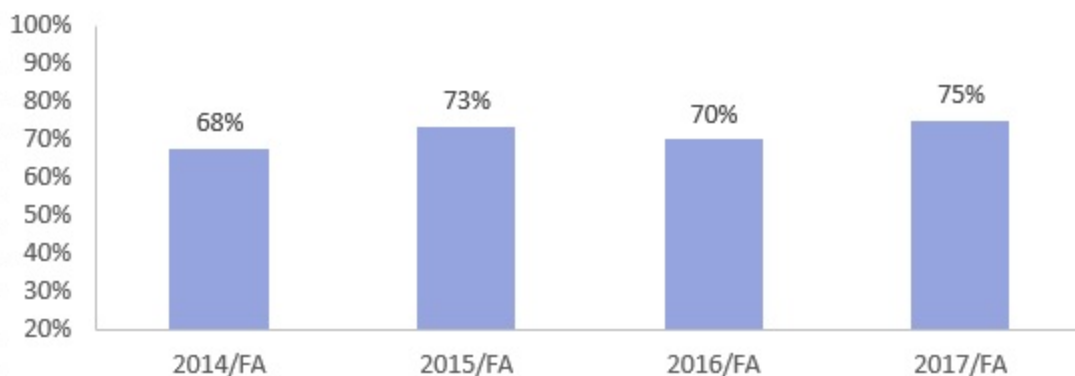
Instructional Method (All)

Race/Ethnicity (All)

Gender Female

Age Group (All)

### Four Year Success Trend



Division

Industry & Technology

Department

ACR

ACRP

AJ

ARCH

ATEC

CADD

COSM

CTEC

Course

AJ-10

AJ-100

AJ-103

AJ-109

AJ-111

AJ-115

AJ-12

AJ-130

Instruction Method

On Campus

Online

Age Group

17 to 19

20 to 24

25 to 29

30 to 49

50+

Special Admit

Gender

Female

Male

Race/Ethnicity

African American

American Indian/A...

Asian

Latino

Pacific Islander

Student Visa

Two or More Races

Unknown or Decline

Use the SLICERS above to drill down into the success rates for different categories. Use the "CLEAR FILTERS" button to clear all selections and start over.

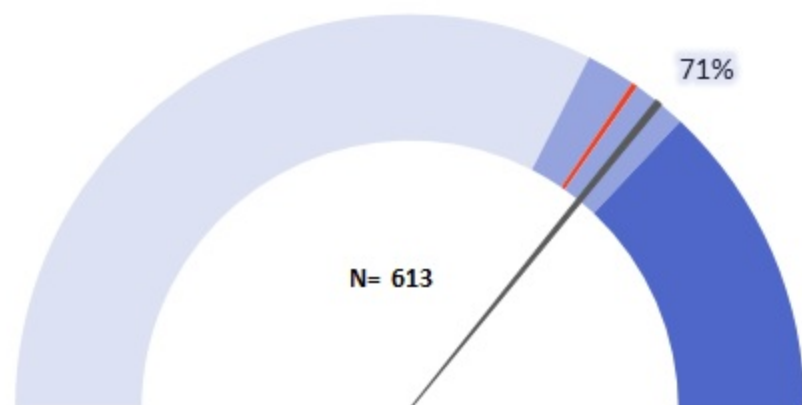
CLEAR  
FILTER

The light shaded area indicates success rates below the institution-set standard of 65%. The medium shaded area indicates success rates above the institution-set standard but below the College goal of 74%. The dark shaded area indicates success rates above the College goal. The red line indicates the El Camino College success rate for the term. The N value refers to the number of enrollments rather than the number of students.



## El Camino College

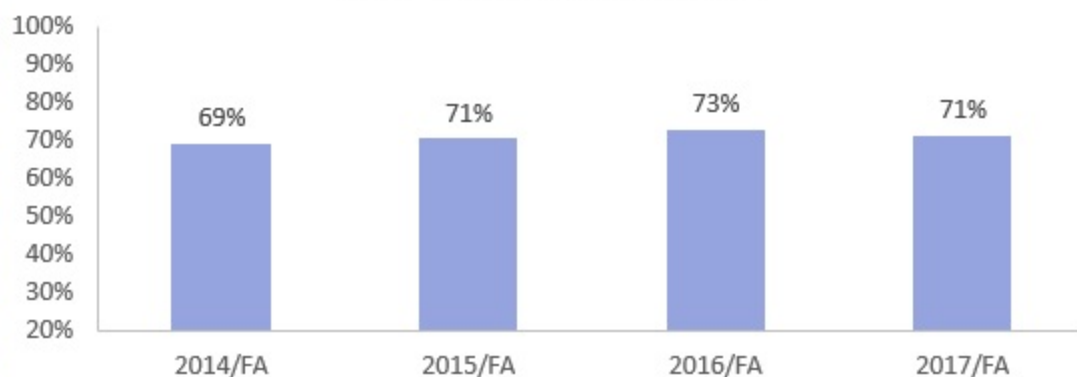
### Fall 2017 Success Rates



Term 2017/FA  
 Division Industry & Technology  
 Department AJ  
 Course (All)

Instructional Method (All)  
 Race/Ethnicity Latino  
 Gender (All)  
 Age Group (All)

### Four Year Success Trend



**Division**

Industry & Technology

**Department**

ACR

ACRP

AJ

ARCH

ATEC

CADD

COSM

CTEC

**Course**

AJ-10

AJ-100

AJ-103

AJ-109

AJ-111

AJ-115

AJ-12

AJ-130

**Instruction Method**

On Campus

Online

**Age Group**

17 to 19

20 to 24

25 to 29

30 to 49

50+

Special Admit

**Gender**

Female

Male

**Race/Ethnicity**

African American

American Indian/A...

Asian

Latino

Pacific Islander

Student Visa

Two or More Races

Unknown or Decline

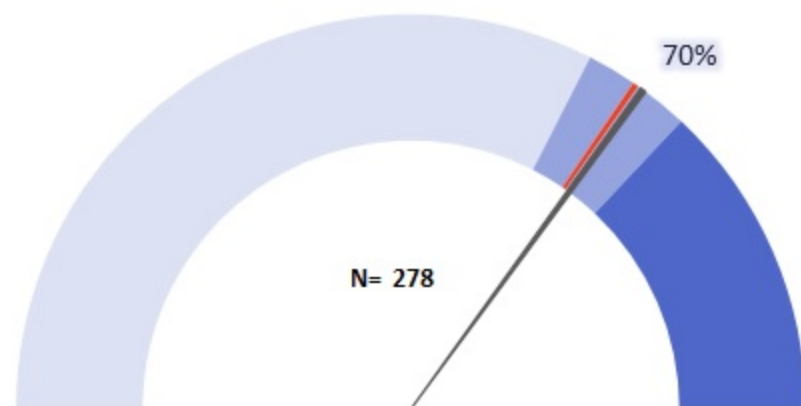
Use the SLICERS above to drill down into the success rates for different categories. Use the "CLEAR FILTERS" button to clear all selections and start over.

CLEAR  
FILTER

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# El Camino College

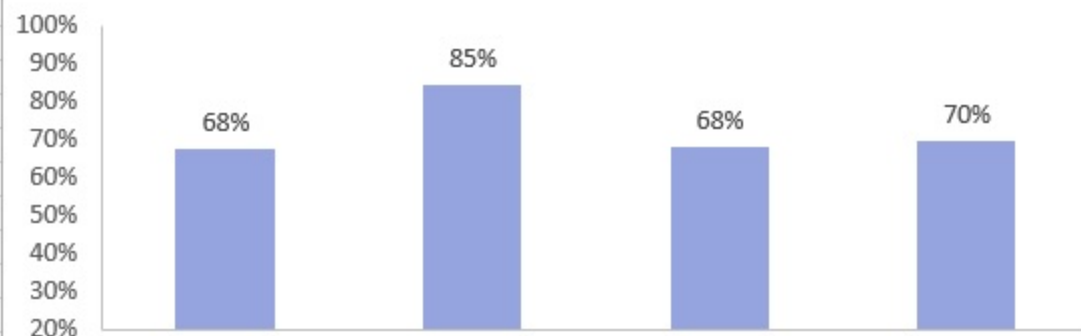
## Fall 2017 Success Rates



Term 2017/FA  
 Division Industry & Technology  
 Department AJ  
 Course (All)

Instructional Method Online  
 Race/Ethnicity (All)  
 Gender (All)  
 Age Group (All)

## Four Year Success Trend



Division

Industry & Technology

Department

AJ

CADD

FASH

FTEC

NFOO

Course

AJ-10

AJ-100

AJ-103

AJ-115

AJ-12

AJ-130

AJ-170

Instruction Method

On Campus

Online

Gender

Female

Male

Age Group

17 to 19

20 to 24

25 to 29

30 to 49

50+

Race/Ethnicity

African American

American Indian/A...

Asian

Latino

Pacific Islander

Student Visa

Two or More Races

Unknown or Decline

Use the SLICERS above to drill down into the success rates for different categories. Use the "CLEAR FILTERS" button to clear all selections and start over.

CLEAR  
FILTER

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## **El Camino College**

### **Administration of Justice Program Advisory Committee Meeting**

**April 27, 2017 1730 hours**

#### **Minutes**

##### **Committee Chairs:**

- Ray Lewis, Full-time faculty, Chief of Police El Segundo Police Department (retired)
- Mark Fields, Full-time faculty, Lieutenant California Highway Patrol (retired)

##### **Members present:**

- Roberto Causey, Sergeant, Los Angeles Sheriffs' Department (retired), Adjunct Faculty
- Carmyn Fields, Office Manager, California Highway Patrol (retired)
- Neal Mongan, Lieutenant, Huntington Park Police (retired), Adjunct Faculty
- Geoff Rizzo, City Councilman, Torrance. Lieutenant, Torrance Police (retired)
- Matthew Roth, Detective, Fontana Police Department
- Michael Trevis, Chief of Police, El Camino College
- Christopher Scott, Director of Security, Torrance Memorial Hospital
- Oscar Serrano, Lieutenant, Inglewood Police Department (retired), ECC Police Academy Coordinator

##### **Guests:**

- Victoria Rosito, President- Administration of Justice Club

##### **General Meeting:**

- The general meeting commenced at 1730 hours (*Appendix A*) and included remarks from Dr. Stephanie Rodriguez, Dean, Industry & Technology, and Dr. Dena P. Maloney, President, El Camino College.
- Keynote speaker Victor Solis, founder of Initia Education, gave a presentation on "Big Data" and how it relates to CTE programs/jobs.
- The general meeting included a department centerpiece contest. The Administration of Justice Department's centerpiece consisted of a mock crime scene with evidence and showcased our new Laser Technology TruPoint 300 crime scene plotter. NOTE: This tool, used for crime scene investigations, was purchased at the recommendation of AJ Program Advisory Committee members during previous meetings.



### **Breakout session - Alondra Room**

The breakout session (*Appendix B*) commenced at 1850 hours.

1. State of the Administration of Justice Program
  - a. Program Review mid-cycle updates
    - i. Professor Fields provided the committee with the Program Review mid-cycle updates including the purchase of new equipment, the addition of adjunct faculty, and the status of the AJ Program in general
    - ii. Enrollment management. Enrollment management continues to be a concern campus wide due to several factors including a continually improving economy and changing demographics of our feeder high schools. Fill rates for class sections in AJ remain robust with only two sections cancelled due to under enrollment over the past year.
    - iii. Distance Education (online) sections continue to fill at 110%. With the changing student demographics the ECC Enrollment Management plan includes a provision that the number of online section offerings be increased.
    - iv. Additional Certificates of Accomplishment have been proposed (see below).
  - b. Crime Scene plotter display
    - i. The Laser Technology TruPoint 300 was displayed to the committee members. Digital crime scene mapping is a critical skill required of our students entering the job market. Committee members were thanked for their support of the purchase of this equipment.
  - c. Pending personnel changes
    - i. Professor Mark C. Fields has accepted an Associate Dean of Career Education position at Mt. San Jacinto Community College and will be leaving his full-time position at the end of the summer session.
    - ii. Professor Ray Lewis anticipates retiring at the end of the Spring 2018 semester.
2. Administration of Justice Club update
  - a. Ms. Victoria Rosito, President- Administration of Justice Club provided an update on Club activities this semester. There have been guest speakers from the El Camino Police Department, Los Angeles Sheriffs' Department, and Los Angeles Police Department. She advised that she will be returning in the Fall 2017 semester and will seek out additional guest speakers and agency/facility tours

3. Proposed Public Safety Training Center

- a. Oscar Serrano and Ray Lewis discussed the proposed Regional Public Safety Training Center to include the Police and Fire Academies. Planning is in the early stages with a suitable location being sought given the logistics of fire training.

4. Proposed low-unit stackable certificates

- a. Ray Lewis and Mark Fields discussed the benefits to the students of low-unit stackable certificates and Certificates of Achievement including providing benchmarks for the students. Attendees were provided with and reviewed handouts describing the certificates (*Appendix C*).

The following certificates were proposed:

- i. Corrections
  - ii. Crime Scene Evidence Investigation Certificate
  - iii. Computer Forensics
  - iv. Homeland Security & Emergency Management
- b. Committee members gave unanimous support for the proposed certificates indicating they will benefit the students when they are applying for employment in the field of Administration of Justice

5. Survey

- a. The committee members were provided a survey (*Appendix D*) which was completed during the meeting. The survey responses are included in *Appendix E*.
- b. An electronic survey was emailed to those members who were not present. Those responses will be included in *Appendix F*.
- c. Additional survey question:
  - i. The potential demand for Cyber Crime Investigators was added to the survey. Professor Lewis advised that labor market data for this classification is not readily available due to the specialization of this field. Lewis advised that during discussions with the South Bay Police Chiefs' Association it was determined that most modern crimes include a cyber or digital component in the form of smart phones, computers, Internet of Things devices, surveillance cameras, and other devices. Lewis will prepare a separate survey for the South Bay Police Chiefs'' in order to determine what amount of time each agency is currently dedicating to cyber/digital investigations

6. Roundtable discussion

- a. Geoff Rizzo and committee members discussed the need for training course(s) for Community Services Officers (CSOs). Duties for this classification typically include code enforcement, traffic control, and public information events. Rizzo explained that the only current training is the Civilian Correctional Officer training provided by LAPD and LASD. This level of training is not appropriate for the duties of a CSO and agencies are reluctant to send their personnel due to the time commitment and possibility of injuries (during methods of arrest training). Committee members agreed that there will be a demand for this type of training. Oscar Serrano and Ray Lewis will be exploring the possibility of offering a course specific to the needs of CSOs.

The meeting was adjourned at 1802 hours

(Minutes completed by Professor Fields)

**Action Items:**

- Responses to the surveys pertaining to Certificates of Accomplishment/Achievement will be forwarded to Associate Dean Randal Davis who will continue to work with AJ faculty on approval of those certificates.
- Ray Lewis and Oscar Serrano will explore the possibility of offering a training program specific to the needs of Community Services Officers.
- Professor Fields will complete the mid-cycle AJ Program Review including the information from the Program Advisory Committee Surveys and additional personnel needs to replace leaving full-time faculty.

**Attachments:**

*Appendix A:* Industry and Technology Program Advisory Committee Dinner Meeting program.

*Appendix B:* Administration of Justice Program Advisory Committee Meeting breakout session agenda

*Appendix C:* Proposed Certificates of Accomplishment/Achievements

*Appendix D:* Industry & Technology Advisory Committee Survey

*Appendix E:* Industry & Technology Advisory Committee Survey Results (paper)

*Appendix F:* Industry & Technology Advisory Committee Survey Results (electronic)

EL CAMINO COLLEGE

**Division of Industry and Technology**

ADMINISTRATION OF JUSTICE

AIR CONDITIONING AND REFRIGERATION

ARCHITECTURE

AUTOMATION, ROBOTICS AND MANUFACTURING (ARM)  
*Engineering Technology - Machine Tool Technology  
Manufacturing Technology*

AUTOMOTIVE COLLISION REPAIR / PAINTING

AUTOMOTIVE TECHNOLOGY

COMPUTER AIDED DESIGN / DRAFTING

CONSTRUCTION TECHNOLOGY

COSMETOLOGY

ELECTRONICS AND COMPUTER HARDWARE TECHNOLOGY

ENVIRONMENTAL TECHNOLOGY

FASHION

FIRE AND EMERGENCY TECHNOLOGY (EMT and Paramedic)

NUTRITION AND FOODS

WELDING

**Program**

5:00 - 5:15 pm Guest Check in

5:15 pm Dinner

5:30 pm Welcome

Dr. Dena P. Maloney, President

Dr. Stephanie Rodriguez, Dean

**What's Happening in Industry and Technology**

Fire Academy Graduation - May 8, 2017

Fashion Show - June 2, 2017

Summer Robotics Program - July 10 - August 3, 2017

Northrup Grumman Innovation Humanitarian Challenge - July 27, 2017 - ECC Stadium

California State San Luis Obispo - Design Village Competition - 2017 - Essence  
"Best Effort Winner"- Women in Technology

**Presentation - Reginald Vital**

Tiny House Design Competition  
Winner - \$400.00

6:15 - 6:35 pm Guest Speaker - Victor Solis

Founder, Initia Education  
"Big Data"

**Departments Centerpiece Contest**

**Department Breakout Meetings**



**Acknowledgements** – Randal Davis, Associate Dean

**SPECIAL THANKS TO:**

Jose Anaya, Dean, Community Advancement and  
Business Training Center

Tiffany Miller, Director, Career Pathways

Victoria Martinez-Weitzel, Women in Technology (WIT)

El Camino College Cosmetology and Fashion Departments

**STUDENT EQUITY PROGRAM:**

Amado Chavez

Cindy Nuno

**START CENTER:**

Josefina Bedolla

Markell Morris

Van Nguyen

Edith Parra

Valencia Rayford

**DIVISION STAFF:**

Robin Elton-Collett

Jonelle Jones-Morrison

Amanda Webb

Deborah Zavala



EL CAMINO COLLEGE

Division of Industry and Technology

Welcome to the

**Industry and Technology  
Advisory Committee  
Dinner Meeting**

Thursday, April 27, 2017

5:00 p.m.

East Dining Room



**El Camino College**

**Administration of Justice Program Advisory Committee Meeting**

**April 27, 2017 1700 hours**

**Agenda**

**Committee Chairs:** Ray Lewis, Mark Fields

**Members invited:**

Josh Armstrong	Hoda Beckman	Jaime Bermudez	Roberto Causey	Kendall Davis
Makisha Diggins-Davis	Scott Doukakis	Gail Doukakis	Robert Fager	Mark Fields
Carmyn Fields	Mark Fronterotta	Bridgette Green	John Henderson	Eva Irvine
Keith Kauffman	Lamar Keeble	Jeff Kepley	Ray Lewis	Mike Marshall
Don Mason	Mark A. Matsuda	Milton McKinnon	Ed Medrano	Neal Mongan
Sharon Papa	Geoff Rizzo	Andrea Roberson	Doug Young	Matthew Roth
Linda Schuetze	Christopher Scott	Oscar Serrano	John Skipper	Mike Smith
Mitch Tavera	John Torres	Michael Trevis	Bob Turnbull	Mark Velez

**Guests:**

Victoria Rosito, President- Administration of Justice Club

**Breakout session agenda Items (move to Alondra Room)**

1. State of the Administration of Justice Program
  - a. Program Review mid-cycle updates
  - b. Crime Scene plotter display
  - c. Pending personnel changes
2. Administration of Justice Club update
  - a. Club activities, guest speaker requests, agency/facility tours
3. Proposed Public Safety Training Center
4. Proposed low-unit stackable certificates
  - a. Corrections
  - b. Crime Scene Evidence Investigation Certificate
  - c. Computer Forensics
  - d. Homeland Security & Emergency Management
5. Survey
  - a. Additional survey question: Demand for Cyber Crime Investigators?
6. Roundtable discussion



# **Crime Scene Evidence**

## **Investigation Certificate**

**(6 units)**

**A.J., Standard CSI and Digital Evidence  
Investigation Technologies.**

### **Courses:**

- **AJ 142 Digital Forensics (3 units)**
- **AJ 132 Forensic Crime Scene Investigation (3 units)**

# **Computer Forensics Certificate**

**(18 units)**

**Inter-Department Participation: A.J., Computer Information Systems, and Electronics Computer Hardware Technologies.**

## **Courses:**

- **AJ 142 Digital Forensics (3 units)**
- **AJ 111 Criminal Investigation (3 units)**
- **AJ 132 Forensic Crime Scene Investigation (3 units)**
- **AJ 135 Report Writing (3 units)**
- **CIS 13 Computer Information Systems (3 units)**
- **ECHT 140 or CIS 40 Computer Systems and Hardware Technologies or Personal Computer (3 units)**



## **Homeland Security and Emergency Management-(18 units)**

### **Courses:**

- **AJ 10 Intro to Homeland Security (3 units)**
- **AJ 11 Intro to Intelligence (3 units)**
- **AJ 12 Border and Transportation Security (3 units)**
- **AJ 21 Intro to Emergency Management (3 units)**
- **AJ 26 Intro to Terrorism (3 units)**
- **AJ 100 Intro to Administration of Justice (3 units)**

El Camino College

INDUSTRY AND TECHNOLOGY

**HOMELAND SECURITY AND EMERGENCY MANAGEMENT**

**Certificate of Achievement**

In the process of approval - 2017

PROGRAM	COURSE TITLE	UNITS
Administration of Justice 10	Introduction to Homeland Security	3
Administration of Justice 11	Intelligence Analysis and Security Management	3
Administration of Justice 12	Transportation and Border Security Management	3
Administration of Justice 21	Introduction to Emergency Management	3
Administration of Justice 26	Introduction to Terrorism/ Counter-Terrorism	3
Administration of Justice 100	Introduction to Administration of Justice	3
	<b>TOTAL UNITS</b>	<b>18</b>



## EL CAMINO COMMUNITY COLLEGE

### ADMINISTRATION OF JUSTICE: *Homeland Security Essentials*

#### CERTIFICATE OF ACCOMPLISHMENT

##### Item 1.

#### PROGRAM GOALS AND OBJECTIVES

The primary objective of the Certificate of Accomplishment- Homeland Security Essentials is to prepare students for entry level employment within the components, directorates and offices of the Department of Homeland Security, (Office of Intelligence and Analysis, Secret Service, National Protection and Programs Directorate, Transportation Security Administration, US Customs and Border Protection, Immigration and Customs Enforcement, US Citizenship and Immigration Services, Federal Emergency Management Agency, etc.), CAL Office of Emergency Services, local and state emergency management positions, county and city government, and other related positions. This certificate would also help persons advance who are already working for government agencies which have aspects of/and responsibilities in Homeland Security, Emergency Management, and other emergency operations. This certificate seeks to develop an essential understanding of the very large field of federal Homeland Security (252,000 federal positions), local, and state operations, and support agencies in police, fire, state, county, military departments, and city governments across the US. This certificate would ensure an understanding of a very intricate network of procedures, jurisdictions, missions, and agency responsibilities. The Student Learning Outcomes for this program are as follows:

1. Assesses the essential characteristics of national and international terrorism.
2. Compare and contrast the roles, functions, and interdependency between local, federal, and international law enforcement and military agencies, to foster border security.
3. Describe the goals of security management.
4. Demonstrate an understanding of the network elements and missions of Homeland Security.

Upon completion of this certificate, the student will be familiar with the framework, missions, and operations of Emergency Management and Homeland Security, and be able to use that knowledge to advance in this field, or to apply for identified positions while holding substantial knowledge and understanding of this technical and interdependent field from local to federal government agencies.

#### PROGRAM TOP CODE

2105.30 – Industrial and Transportation Security

### **REQUIRED CERTIFICATE UNITS – Minimum and Maximum**

15 units minimum

15 units maximum

### **ANNUAL COMPLETION RATE**

Based on current enrollment data, it is estimated that approximately 25 students would be eligible to receive the Certificate each year.

### **FACULTY WORKLOAD**

The faculty load is 40.000 for the first year of the program.

### **NEW FACULTY POSITIONS**

No new faculty positions will be required.

### **NEW EQUIPMENT**

No new equipment will be necessary.

### **LIBRARY ACQUISITIONS**

No learning resource material will need to be placed in the library.

### **PROGRAM REVIEW DATE**

CTE 2 Year Review – 2013

## GAINFUL EMPLOYMENT

YES

This course of study would help to prepare students for employment with the Department of Homeland Security (DHS) and its many sub-departments and other governmental agencies, such as:

Emergency Management Planner

Emergency Response Coordinator

Customs Border Protection-Border Patrol

California Office of Emergency Management-Positions and areas of Emergency Management employment:

- Auditing
- Emergency Services Coordinator
- Senior Emergency Services Coordinator
- Media Relations and Public Information
- Grants Monitor
- Cybersecurity Coordinator
- Cybersecurity Task Force
- Communications Branch Manager
- Rail and Transit Security
- Earthquake and Tsunami Program
- Technological Hazards and Systems Division
- Public Safety Procurement Program
- Disaster Planning Unit
- Program Development
- Manager, Disaster Planning Unit
- CA 9-1-1 Emergency Communications Branch Manager
- Statewide Safety Assessment Program Coordinator
- Budgets
- Clerical and Office Support
- Contracting and Procurement
- Emergency Management
- Fiscal Analysis
- Fire and Rescue Services
- Grants Monitoring
- Hazard Mitigation
- Homeland Security Grants
- Human Resources
- Information Technology
- Law Enforcement
- Telecommunications
- Training
- Public Information
- Public Safety Communications
- Victim Services

Law enforcement officers

Homeland Security Investigation

INS

Analysis and Operations (various agencies of U.S. Intelligence Services and Homeland Security).

Federal Emergency Management Agency

ICE-U.S. Immigration and Customs Enforcement

Security Officers

Logistics Management Specialists-Federal Emergency Management

The Transportation Security Administration

Air Marshals-TSA

Emergency Management Coordinators-Government Agencies and Private Companies

Emergency Management Private Industry Managers and Directors

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TSA- Program Analyst  
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Emergency Medical Technician-Basic (Subcontract positions to FEMA and Disaster Response Network)  
Positions for emergency management professionals in government agencies, military and first-response organizations  
Emergency Management Instructor  
Positions within National Cybersecurity and Communications Integration Center

### **APPRENTICESHIP**

No

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Approximately 100% of the courses required for the certificate will be conducted via distance education.

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No new and/or remodeled facilities will be necessary.

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The Administration of Justice degree or certificate prepares the student for a career in criminal justice. By completing the degree or certificate requirements, the student will gain the ability to apply principles of the justice system, constitutional and procedural considerations affecting arrest, search and seizure, human relations, and concepts of criminal law as well as demonstrate proficiency in report writing and record keeping. Career options include police officer, corrections officer, homeland security, private security and crime scene investigator.

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<b>PROGRAM</b>	<b>NAME</b>	<b>UNITS</b>	<b>YEAR</b>	<b>SEMESTER</b>
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	<b>TOTAL UNITS</b>	<b>15</b>		

**Item 4.**

**MASTER PLANNING**

**El Camino College – Mission Statement:**



*El Camino College offers quality, comprehensive educational programs and services to ensure the educational success of students from our diverse community.*

El Camino Community College entered into a partnership with the Department of Homeland Security, Transportation Security Administration in 2012, with the intent of providing relevant courses to the Department of Homeland Security employees. The educational courses these employees received strengthened the relationship the Department of Homeland Security has with the public, while helping to ensure the safety of all.

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Based on past enrollment data, it is estimated that between twelve (12) and twenty five (25) Transportation Security Administration students will complete the requirements for the certificate each year.

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## **ADVISORY COMMITTEE RECOMMENDATIONS**

A meeting of the Administration of Justice Advisory Committee was held on April 22, 2015. The majority of the attendee's recommended this Certificate be implemented.

A complete copy of the Advisory Committee minutes may be viewed in Appendix C.

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El Camino Community College, in conjunction with the Transportation Security Administration, has developed a course of study leading to a "Certificate of Achievement".

This unique program is open only to Transportation Security Administration students who have completed the eight (8) designated courses. All course fees, textbooks, etc., will be paid by the Transportation Security Administration, and classes will be conducted at the current site.

If you would be interested in participating in this program, please indicate your response by answering "Yes or No". Your answer in no way obligates you to attend this program.

Thank you for your participation in this survey.

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### **TRANSPORTATION SECURITY SCREENER**

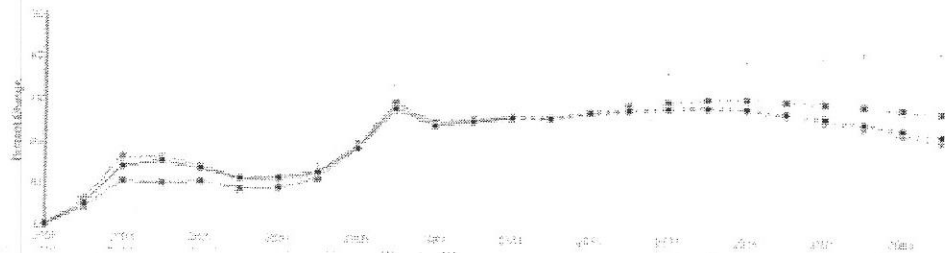
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Los Angeles County	2,705	2,751	1.7%

Source: EMSI (Economic Modeling) and O-NET

1

Research & Planning/TQL

December 2014

## APPENDIX C

### ADMINISTRATION OF JUSTICE ADVISORY COMMITTEE MINUTES

April 22, 2015



**Attendees:**

**Ray Lewis**, *Professor, Administration of Justice, El Camino College*

**Roberto Causey**, *Adjunct Instructor, El Camino College*

**Makisha Diggins-Davis**, *Juvenile Probation, Los Angeles*

**Kendall Davis**, *Representative, Firm Hand Outreach Community Center*

**Speros Doumas**, *Sergeant, California Highway Patrol, South Los Angeles Area*

**Milton Mc Kinnon**, *Captain, Hermosa Beach Police Department*

**John Slawson**, *Superior Court Judge Los Angeles County*

**Bob Turnbull**, *Captain, El Segundo Police Department*

**Geoff Rizzo**, *Lieutenant, Torrance Police Department*

**Oscar Serrano**, *Lieutenant, Inglewood Police Department*

Notes/Minutes: Ray Lewis

**1. Welcome and Introductions:**

Ray Lewis welcomed and introduced the members of the Advisory Committee and thanked them for their attendance.

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Program Growth:

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New Programs:

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- It was asked if we can facilitate agencies with P.O.S.T. certified training. Bob Turnbull brought up the need for more P.O.S.T. training and El Camino College collaboration, and increased law enforcement support for P.O.S.T. courses.

**3. Roundtable Discussion:**

Support was requested from the Advisory Committee, who pledged their 100% support. Letters will go out to agencies for support.

4. **Adjourn:**

Ray thanked everyone again for their support and attendance, and the meeting was adjourned.

# **Crime Scene Evidence**

## **Investigation Certificate**

**(6 units)**

**A.J., Standard CSI and Digital Evidence  
Investigation Technologies.**

### **Courses:**

- **AJ 142 Digital Forensics (3 units)**
- **AJ 132 Forensic Crime Scene Investigation (3 units)**

# **Computer Forensics Certificate**

**(18 units)**

**Inter-Department Participation: A.J., Computer Information Systems, and Electronics Computer Hardware Technologies.**

## **Courses:**

- **AJ 142 Digital Forensics (3 units)**
- **AJ 111 Criminal Investigation (3 units)**
- **AJ 132 Forensic Crime Scene Investigation (3 units)**
- **AJ 135 Report Writing (3 units)**
- **CIS 13 Computer Information Systems (3 units)**
- **ECHT 140 or CIS 40 Computer Systems and Hardware Technologies or Personal Computer (3 units)**



# **Homeland Security and Emergency Management-(18 units)**

## **Courses:**

- **AJ 10 Intro to Homeland Security (3 units)**
- **AJ 11 Intro to Intelligence (3 units)**
- **AJ 12 Border and Transportation Security (3 units)**
- **AJ 21 Intro to Emergency Management (3 units)**
- **AJ 26 Intro to Terrorism (3 units)**
- **AJ 100 Intro to Administration of Justice (3 units)**

<b>HOMELAND SECURITY AND EMERGENCY MANAGEMENT</b> <b>Certificate of Achievement</b> <b>In the process of approval - 2017</b>		
PROGRAM	COURSE TITLE	UNITS
Administration of Justice 10	Introduction to Homeland Security	3
Administration of Justice 11	Intelligence Analysis and Security Management	3
Administration of Justice 12	Transportation and Border Security Management	3
Administration of Justice 21	Introduction to Emergency Management	3
Administration of Justice 26	Introduction to Terrorism/ Counter-Terrorism	3
Administration of Justice 100	Introduction to Administration of Justice	3
	<b>TOTAL UNITS</b>	<b>18</b>



# EL CAMINO COMMUNITY COLLEGE

## ADMINISTRATION OF JUSTICE: *Homeland Security Essentials*

### CERTIFICATE OF ACCOMPLISHMENT

#### Item 1.

#### PROGRAM GOALS AND OBJECTIVES

The primary objective of the Certificate of Accomplishment- Homeland Security Essentials is to prepare students for entry level employment within the components, directorates and offices of the Department of Homeland Security, (Office of Intelligence and Analysis, Secret Service, National Protection and Programs Directorate, Transportation Security Administration, US Customs and Border Protection, Immigration and Customs Enforcement, US Citizenship and Immigration Services, Federal Emergency Management Agency, etc.), CAL Office of Emergency Services, local and state emergency management positions, county and city government, and other related positions. This certificate would also help persons advance who are already working for government agencies which have aspects of/and responsibilities in Homeland Security, Emergency Management, and other emergency operations. This certificate seeks to develop an essential understanding of the very large field of federal Homeland Security (252,000 federal positions), local, and state operations, and support agencies in police, fire, state, county, military departments, and city governments across the US. This certificate would ensure an understanding of a very intricate network of procedures, jurisdictions, missions, and agency responsibilities. The Student Learning Outcomes for this program are as follows:

1. Assesses the essential characteristics of national and international terrorism.
2. Compare and contrast the roles, functions, and interdependency between local, federal, and international law enforcement and military agencies, to foster border security.
3. Describe the goals of security management.
4. Demonstrate an understanding of the network elements and missions of Homeland Security.

Upon completion of this certificate, the student will be familiar with the framework, missions, and operations of Emergency Management and Homeland Security, and be able to use that knowledge to advance in this field, or to apply for identified positions while holding substantial knowledge and understanding of this technical and interdependent field from local to federal government agencies.

#### PROGRAM TOP CODE

2105.30 – Industrial and Transportation Security

## **REQUIRED CERTIFICATE UNITS – Minimum and Maximum**

15 units minimum

15 units maximum

## **ANNUAL COMPLETION RATE**

Based on current enrollment data, it is estimated that approximately 25 students would be eligible to receive the Certificate each year.

## **FACULTY WORKLOAD**

The faculty load is 40.000 for the first year of the program.

## **NEW FACULTY POSITIONS**

No new faculty positions will be required.

## **NEW EQUIPMENT**

No new equipment will be necessary.

## **LIBRARY ACQUISITIONS**

No learning resource material will need to be placed in the library.

## **PROGRAM REVIEW DATE**

CTE 2 Year Review – 2013

## GAINFUL EMPLOYMENT

YES

This course of study would help to prepare students for employment with the Department of Homeland Security (DHS) and its many sub-departments and other governmental agencies, such as:

Emergency Management Planner

Emergency Response Coordinator

Customs Border Protection-Border Patrol

California Office of Emergency Management-Positions and areas of Emergency Management employment:

- Auditing
- Emergency Services Coordinator
- Senior Emergency Services Coordinator
- Media Relations and Public Information
- Grants Monitor
- Cybersecurity Coordinator
- Cybersecurity Task Force
- Communications Branch Manager
- Rail and Transit Security
- Earthquake and Tsunami Program
- Technological Hazards and Systems Division
- Public Safety Procurement Program
- Disaster Planning Unit
- Program Development
- Manager, Disaster Planning Unit
- CA 9-1-1 Emergency Communications Branch Manager
- Statewide Safety Assessment Program Coordinator
- Budgets
- Clerical and Office Support
- Contracting and Procurement
- Emergency Management
- Fiscal Analysis
- Fire and Rescue Services
- Grants Monitoring
- Hazard Mitigation
- Homeland Security Grants
- Human Resources
- Information Technology
- Law Enforcement
- Telecommunications
- Training
- Public Information
- Public Safety Communications
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Law enforcement officers

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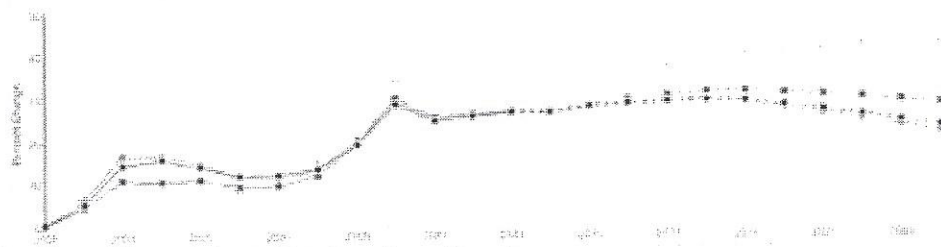
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Research & Planning/TQL

December 2014

## APPENDIX C

### ADMINISTRATION OF JUSTICE ADVISORY COMMITTEE MINUTES

April 22, 2015



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**Industry & Technology Advisory Committee Survey**  
**April 27, 2017**

*Thank you for taking time from your busy schedule to meet with El Camino College faculty. As an industry advisory committee member, your feedback and support is critical to the delivery and quality of each program. To help keep El Camino up to date on your industry – please provide feedback in the areas listed below.*

**What industry do you represent?**

- |   |   |   |  |
|---|---|---|--|
| <input type="checkbox"/> Admin of Justice | <input type="checkbox"/> CADD                 | <input type="checkbox"/> Electronics/<br>Comp Hardware                      | <input type="checkbox"/> Fashion         |
| <input type="checkbox"/> Air Cond/Refrig  | <input type="checkbox"/> Construction<br>Tech | <input type="checkbox"/> Engineering<br>Tech/Machine Tool/<br>Manufacturing | <input type="checkbox"/> Fire/Emerg Tech |
| <input type="checkbox"/> Architecture     | <input type="checkbox"/> Cosmetology          | <input type="checkbox"/> Environ. Tech                                      | <input type="checkbox"/> Nutrition       |
| <input type="checkbox"/> Auto Collision   |   |   | <input type="checkbox"/> Welding         |
| <input type="checkbox"/> Auto Tech        |   |   |  |

**Survey**

**I.** What industry or service sector do you or your company represent? \_\_\_\_\_  
(Utilities, Manufacturing, Healthcare, Public Safety, etc.)

• What is the demand for this program/industry in the South Bay (High, Average, Low)?

• Do you expect job growth (or a decline) in the next 2 to 5 years in jobs in your area due to the following? (Check all that apply)

- ☐ Retirements ☐ Technological Changes ☐ State Regulations ☐ Market Growth  
☐ Other \_\_\_\_\_

• Please list *entry level job title* and *average starting wages* at your company:

_____	- Entry Level \$ _____
_____	- Entry Level \$ _____
_____	- Entry Level \$ _____

**II. Hard Skills: technical skill set and ability to perform a certain type of task or activity.**

What type of technical skills should entry level workers be able to demonstrate? \_\_\_\_\_

What type of equipment or computer software entry level workers students be able to use? \_\_\_\_\_

**III. Soft Skills: personal attributes that enhance an individual's interactions, job performance and career prospects. (Please select one for each row)**

	Not important	Somewhat important	Very important
Ability to communicate effectively	( )	( )	( )
Ability to work with others	( )	( )	( )
Show up for work on time	( )	( )	( )
Team player	( )	( )	( )
Ability to problem-solve	( )	( )	( )
Follow instructions/procedures	( )	( )	( )
Good manners	( )	( )	( )
Integrity	( )	( )	( )
Empathy	( )	( )	( )

**IV. Academic Skills – Math, Reading and Writing (Please select one for each row)**

	Not important	Somewhat important	Very important
Basic math (arithmetic)	( )	( )	( )
Algebra	( )	( )	( )
Geometry	( )	( )	( )
Advanced math (trig., statistics, calculus)	( )	( )	( )
Professional writing	( )	( )	( )
Technical writing	( )	( )	( )
Critical reading	( )	( )	( )
Ability to read technical material	( )	( )	( )



**V. Technical Training and Education (Please select one for each row)**

	Not important	Somewhat important	Very important
State certification/license	( )	( )	( )
Industry certification	( )	( )	( )
Community college specialization certificate	( )	( )	( )
Some college courses	( )	( )	( )
Associate degree	( )	( )	( )
Bachelor's year degree	( )	( )	( )

**VI. Licensure and Industry Certifications**

Please list any licenses or professional certifications required to work in your industry:

Local \_\_\_\_\_

State \_\_\_\_\_

National \_\_\_\_\_

How could El Camino College assist in this area? \_\_\_\_\_

**VII. Thinking about changes or advancements in your industry, are there any skills or training that would make a job candidate more qualified?**

Please list/describe any emerging skill or training needs based on technology, globalization, job competition, market demands, etc.

\_\_\_\_\_  
\_\_\_\_\_

**VIII. How Are We Doing?** Please write in Strongly Agree, Agree, Neutral, Disagree, or Strongly Disagree in response to the statements below:

El Camino College is responsive to my needs as an employer.

The courses that ECC offers address the skills needed for my industry.

ECC adapts quickly to changes in my industry.

ECC adapts quickly to changes for training employees in my industry.

ECC is an approachable, collaborative partner.

ECC students employed in my business/industry are well-prepared for the workforce.

**IX. Would you be interested in offering paid internships to students?** ☐ Yes ☐ No

If yes, please provide your contact information so we can arrange a partnership:

Name: \_\_\_\_\_ Name of Company: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_

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| <input checked="" type="checkbox"/> Admin of Justice | <input type="checkbox"/> CADD         | <input type="checkbox"/> Electronics/       | <input type="checkbox"/> Fashion         |
| <input type="checkbox"/> Air Cond/Refrig             | <input type="checkbox"/> Construction | <input type="checkbox"/> Comp Hardware      | <input type="checkbox"/> Fire/Emerg Tech |
| <input type="checkbox"/> Architecture                | <input type="checkbox"/> Tech         | <input type="checkbox"/> Engineering        | <input type="checkbox"/> Nutrition       |
| <input type="checkbox"/> Auto Collision              | <input type="checkbox"/> Cosmetology  | <input type="checkbox"/> Tech/Machine Tool/ | <input type="checkbox"/> Welding         |
| <input type="checkbox"/> Auto Tech                   |                                       | <input type="checkbox"/> Manufacturing      |  |
|  |                                       | <input type="checkbox"/> Environ. Tech      |  |

**Survey**

**I.** What industry or service sector do you or your company represent? Public Safety  
 (Utilities, Manufacturing, Healthcare, Public Safety, etc.)

• What is the demand for this program/industry in the South Bay (High, Average, Low)?

High

• Do you expect job growth (or a decline) in the next 2 to 5 years in jobs in your area due to the following? (Check all that apply)

- ☒ Retirements ☐ Technological Changes ☐ State Regulations ☐ Market Growth  
☐ Other \_\_\_\_\_

• Please list entry level job title and average starting wages at your company:

POLICE OFFICER - Entry Level \$ 59,000  
 \_\_\_\_\_ - Entry Level \$ \_\_\_\_\_  
 \_\_\_\_\_ - Entry Level \$ \_\_\_\_\_

**II. Hard Skills: technical skill set and ability to perform a certain type of task or activity.**

What type of technical skills should entry level workers be able to demonstrate? ABILITY TO COMMUNICATE EFFECTIVELY BOTH ORALLY AND IN WRITING. Reading, Comprehension.

What type of equipment or computer software entry level workers students be able to use? BASIC COMPUTER SKILLS AND KNOWLEDGE OF COMMON OFFICE SOFTWARES SUCH AS MS WORD, EXCEL...

**III. Soft Skills: personal attributes that enhance an individual's interactions, job performance and career prospects. (Please select one for each row)**

	Not important	Somewhat important	Very important
Ability to communicate effectively	( )	( )	(4) ✓
Ability to work with others	( )	( )	(4) ✓
Show up for work on time	( )	( )	(4) ✓
Team player	( )	( )	(4) ✓
Ability to problem-solve	( )	( )	(4) ✓
Follow instructions/procedures	( )	( )	(4) ✓
Good manners	( )	( )	(4) ✓
Integrity	( )	( )	(4) ✓
Empathy	( )	( )	(4) ✓

**IV. Academic Skills – Math, Reading and Writing (Please select one for each row)**

	Not important	Somewhat important	Very important
Basic math (arithmetic)	( )	( )	(4) ✓
Algebra	( )	(4) ✓	( )
Geometry	( )	(4) ✓	( )
Advanced math (trig., statistics, calculus)	( )	(4) ✓	( )
Professional writing	( )	( )	(4) ✓
Technical writing	( )	( )	(4) ✓
Critical reading	( )	( )	(4) ✓
Ability to read technical material	( )	( )	(4) ✓



**V. Technical Training and Education (Please select one for each row)**

	Not important	Somewhat important	Very important
State certification/license	( )	( )	(✓)
Industry certification	( )	(✓)	( )
Community college specialization certificate	( )	(✓)	( )
Some college courses	( )	(✓)	( )
Associate degree	( )	(✓)	( )
Bachelor's year degree	( )	(✓)	( )

**VI. Licensure and Industry Certifications**

Please list any licenses or professional certifications required to work in your industry:

Local

State

National

How could El Camino College assist in this area? BASIC ACADEMY

**VII. Thinking about changes or advancements in your industry, are there any skills or training that would make a job candidate more qualified?**

Please list/describe any emerging skill or training needs based on technology, globalization, job competition, market demands, etc.

UNDERSTANDING OF VARIOUS COMPUTER SOFTWARE PROGRAMS

**VIII. How Are We Doing?** Please write in Strongly Agree, Agree, Neutral, Disagree, or Strongly Disagree in response to the statements below:

El Camino College is responsive to my needs as an employer. Agree

The courses that ECC offers address the skills needed for my industry. Agree

ECC adapts quickly to changes in my industry. Agree

ECC adapts quickly to changes for training employees in my industry. Agree

ECC is an approachable, collaborative partner. Strongly Agree

ECC students employed in my business/industry are well-prepared for the workforce. Agree

**IX. Would you be interested in offering paid internships to students?** ☐ Yes ☐ No

If yes, please provide your contact information so we can arrange a partnership:

Name: \_\_\_\_\_ Name of Company: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_



**El Camino College**  
**Industry & Technology Advisory Committee Survey**  
**April 27, 2017**

*Thank you for taking time from your busy schedule to meet with El Camino College faculty. As an industry advisory committee member, your feedback and support is critical to the delivery and quality of each program. To help keep El Camino up to date on your industry – please provide feedback in the areas listed below.*

**What industry do you represent?**

- |  |                                       |  |  |
|--|---------------------------------------|--|--|
| <input checked="" type="checkbox"/> Admin of Justice | <input type="checkbox"/> CADD         | <input type="checkbox"/> Electronics/  | <input type="checkbox"/> Fashion         |
| <input type="checkbox"/> Air Cond/Refrig             | <input type="checkbox"/> Construction | Comp Hardware                          | <input type="checkbox"/> Fire/Emerg Tech |
| <input type="checkbox"/> Architecture                | Tech                                  | <input type="checkbox"/> Engineering   | <input type="checkbox"/> Nutrition       |
| <input type="checkbox"/> Auto Collision              | <input type="checkbox"/> Cosmetology  | Tech/Machine Tool/                     | <input type="checkbox"/> Welding         |
| <input type="checkbox"/> Auto Tech                   |                                       | Manufacturing                          |  |
|  |                                       | <input type="checkbox"/> Environ. Tech |  |

**Survey**

**I.** What industry or service sector do you or your company represent? PUBLIC SAFETY  
(Utilities, Manufacturing, Healthcare, Public Safety, etc.)

• What is the demand for this program/industry in the South Bay (High, Average, Low)?

• Do you expect job growth (or a decline) in the next 2 to 5 years in jobs in your area due to the following? (Check all that apply)

- ☐ Retirements ☐ Technological Changes ☒ State Regulations ☒ Market Growth  
☐ Other \_\_\_\_\_

• Please list entry level job title and average starting wages at your company:

_____	- Entry Level \$ _____
_____	- Entry Level \$ _____
_____	- Entry Level \$ _____

**II. Hard Skills: technical skill set and ability to perform a certain type of task or activity.**

What type of technical skills should entry level workers be able to demonstrate? \_\_\_\_\_  
COMMUNICATION & WRITING SKILLS

What type of equipment or computer software entry level workers students be able to use? \_\_\_\_\_

**III. Soft Skills: personal attributes that enhance an individual's interactions, job performance and career prospects. (Please select one for each row)**

	Not important	Somewhat important	Very important
Ability to communicate effectively	( )	( )	<input checked="" type="checkbox"/>
Ability to work with others	( )	( )	<input checked="" type="checkbox"/>
Show up for work on time	( )	( )	<input checked="" type="checkbox"/>
Team player	( )	( )	<input checked="" type="checkbox"/>
Ability to problem-solve	( )	( )	<input checked="" type="checkbox"/>
Follow instructions/procedures	( )	( )	<input checked="" type="checkbox"/>
Good manners	( )	( )	<input checked="" type="checkbox"/>
Integrity	( )	( )	<input checked="" type="checkbox"/>
Empathy	( )	( )	<input checked="" type="checkbox"/>

**IV. Academic Skills – Math, Reading and Writing (Please select one for each row)**

	Not important	Somewhat important	Very important
Basic math (arithmetic)	( )	( )	<input checked="" type="checkbox"/>
Algebra	( )	<input checked="" type="checkbox"/>	( )
Geometry	( )	<input checked="" type="checkbox"/>	( )
Advanced math (trig., statistics, calculus)	( )	<input checked="" type="checkbox"/>	( )
Professional writing	( )	( )	<input checked="" type="checkbox"/>
Technical writing	( )	( )	<input checked="" type="checkbox"/>
Critical reading	( )	<input checked="" type="checkbox"/>	( )
Ability to read technical material	( )	<input checked="" type="checkbox"/>	( )



**V. Technical Training and Education (Please select one for each row)**

	Not important	Somewhat important	Very important
State certification/license	( )	( )	<input checked="" type="radio"/>
Industry certification	( )	( )	<input checked="" type="radio"/>
Community college specialization certificate	( )	<input checked="" type="radio"/>	( )
Some college courses	( )	( )	<input checked="" type="radio"/>
Associate degree	( )	( )	<input checked="" type="radio"/>
Bachelor's year degree	( )	<input checked="" type="radio"/>	( )

**VI. Licensure and Industry Certifications**

Please list any licenses or professional certifications required to work in your industry:

Local \_\_\_\_\_

State POST CERTIFICATION

National \_\_\_\_\_

How could El Camino College assist in this area? \_\_\_\_\_

**VII. Thinking about changes or advancements in your industry, are there any skills or training that would make a job candidate more qualified?**

Please list/describe any emerging skill or training needs based on technology, globalization, job competition, market demands, etc.

**VIII. How Are We Doing?** Please write in Strongly Agree, Agree, Neutral, Disagree, or Strongly Disagree in response to the statements below:

El Camino College is responsive to my needs as an employer.

The courses that ECC offers address the skills needed for my industry.

ECC adapts quickly to changes in my industry.

ECC adapts quickly to changes for training employees in my industry.

ECC is an approachable, collaborative partner.

ECC students employed in my business/industry are well-prepared for the workforce.

**IX. Would you be interested in offering paid internships to students?** ☐ Yes ☐ No

If yes, please provide your contact information so we can arrange a partnership:

Name: \_\_\_\_\_ Name of Company: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF THE HISTORY OF ARTS

AND ARCHITECTURE

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**What industry do you represent?**

- |  |                                       |   |  |
|--|---------------------------------------|---|--|
| <input checked="" type="checkbox"/> Admin of Justice | <input type="checkbox"/> CADD         | <input type="checkbox"/> Electronics/       | <input type="checkbox"/> Fashion         |
| <input type="checkbox"/> Air Cond/Refrig             | <input type="checkbox"/> Construction | <input type="checkbox"/> Comp Hardware      | <input type="checkbox"/> Fire/Emerg Tech |
| <input type="checkbox"/> Architecture                | <input type="checkbox"/> Tech         | <input type="checkbox"/> Engineering        | <input type="checkbox"/> Nutrition       |
| <input type="checkbox"/> Auto Collision              | <input type="checkbox"/> Cosmetology  | <input type="checkbox"/> Tech/Machine Tool/ | <input type="checkbox"/> Welding         |
| <input type="checkbox"/> Auto Tech                   |                                       | <input type="checkbox"/> Manufacturing      |  |
|  |                                       | <input type="checkbox"/> Environ. Tech      |  |

**Survey**

**I.** What industry or service sector do you or your company represent?  
 (Utilities, Manufacturing, Healthcare, Public Safety, etc.)

HEALTHCARE SECURITY

• What is the demand for this program/industry in the South Bay (High, Average, Low)?

AVERAGE

• Do you expect job growth (or a decline) in the next 2 to 5 years in jobs in your area due to the following? (Check all that apply)

- ☐ Retirements  
 ☒ Technological Changes  
 ☒ State Regulations  
 ☒ Market Growth  
☐ Other \_\_\_\_\_

• Please list entry level job title and average starting wages at your company:

SECURITY OFFICER I      - Entry Level \$ 13/HR.  
 \_\_\_\_\_      - Entry Level \$ \_\_\_\_\_  
 \_\_\_\_\_      - Entry Level \$ \_\_\_\_\_

**II. Hard Skills: technical skill set and ability to perform a certain type of task or activity.**

What type of technical skills should entry level workers be able to demonstrate? COMMUNICATION, 1ST RESPONDER TRAINING, PROFESSIONALIZE SECURITY, I.E., P.O.S.T. VERSION

What type of equipment or computer software entry level workers students be able to use? WORD PROCESSING, EXCEL/WORD, RADIO, NEW TECHNOLOGY

**III. Soft Skills: personal attributes that enhance an individual's interactions, job performance and career prospects. (Please select one for each row)**

	Not important	Somewhat important	Very important
Ability to communicate effectively	( )	( )	(X)
Ability to work with others	( )	( )	(X)
Show up for work on time	( )	( )	(X)
Team player	( )	( )	(X)
Ability to problem-solve	( )	( )	(X)
Follow instructions/procedures	( )	( )	(X)
Good manners	( )	( )	(X)
Integrity	( )	( )	(X)
Empathy	( )	( )	(X)

**IV. Academic Skills – Math, Reading and Writing (Please select one for each row)**

	Not important	Somewhat important	Very important
Basic math (arithmetic)	( )	( )	(X)
Algebra	( )	(X)	( )
Geometry	( )	(X)	( )
Advanced math (trig., statistics, calculus)	( )	(X)	( )
Professional writing	( )	( )	(X)
Technical writing	( )	( )	(X)
Critical reading	( )	( )	(X)
Ability to read technical material	( )	( )	(X)



**V. Technical Training and Education (Please select one for each row)**

	Not important	Somewhat important	Very important
State certification/license	( )	( )	(2)
Industry certification	( )	( )	(2)
Community college specialization certificate	( )	(✓)	( )
Some college courses	( )	(✓)	( )
Associate degree	( )	( )	(2)
Bachelor's year degree	( )	(✓)	( )

**VI. Licensure and Industry Certifications**

Please list any licenses or professional certifications required to work in your industry:

Local \_\_\_\_\_

State GUARD CARDS

National CERTIFIED PROTECTION PROFESSIONAL (CPP); CERTIFIED HEALTHCARE PRO. ADMIN.

How could El Camino College assist in this area? AWARENESS

(CHPA)

**VII. Thinking about changes or advancements in your industry, are there any skills or training that would make a job candidate more qualified?**

Please list/describe any emerging skill or training needs based on technology, globalization, job competition, market demands, etc.

**VIII. How Are We Doing?** Please write in Strongly Agree, Agree, Neutral, Disagree, or Strongly Disagree in response to the statements below:

El Camino College is responsive to my needs as an employer. NEUTRAL

The courses that ECC offers address the skills needed for my industry. STRONGLY AGREE

ECC adapts quickly to changes in my industry. STRONGLY AGREE

ECC adapts quickly to changes for training employees in my industry. STRONGLY AGREE

ECC is an approachable, collaborative partner. STRONGLY AGREE

ECC students employed in my business/industry are well-prepared for the workforce. STRONGLY AGREE

**IX. Would you be interested in offering paid internships to students?** ☐ Yes ☒ No

If yes, please provide your contact information so we can arrange a partnership:

Name: \_\_\_\_\_ Name of Company: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_



**El Camino College**

**Administration of Justice Program Advisory Committee Meeting**

**April 27, 2017 1700 hours**

**Agenda**

**Committee Chairs:** Ray Lewis, Mark Fields

**Members invited:**

Josh Armstrong	Hoda Beckman	Jaime Bermudez	Roberto Causey	Kendall Davis
Makisha Diggins-Davis	Scott Doukakis	Gail Doukakis	Robert Fager	Mark Fields
Carmyn Fields	Mark Fronterotta	Bridgette Green	John Henderson	Eva Irvine
Keith Kauffman	Lamar Keeble	Jeff Kepley	Ray Lewis	Mike Marshall
Don Mason	Mark A. Matsuda	Milton McKinnon	Ed Medrano	Neal Mongan
Sharon Papa	Geoff Rizzo	Andrea Roberson	Doug Young	Matthew Roth
Linda Schuetze	Christopher Scott	Oscar Serrano	John Skipper	Mike Smith
Mitch Tavera	John Torres	Michael Trevis	Bob Turnbull	Mark Velez

**Guests:**

Victoria Rosito, President- Administration of Justice Club

**Breakout session agenda Items (move to Alondra Room)**

1. State of the Administration of Justice Program
  - a. Program Review mid-cycle updates
  - b. Crime Scene plotter display
  - c. Pending personnel changes
2. Administration of Justice Club update
  - a. Club activities, guest speaker requests, agency/facility tours
3. Proposed Public Safety Training Center
4. Proposed low-unit stackable certificates
  - a. Corrections
  - b. Crime Scene Evidence Investigation Certificate
  - c. Computer Forensics
  - d. Homeland Security & Emergency Management
5. Survey
  - a. Additional survey question: Demand for Cyber Crime Investigators?
6. Roundtable discussion



**El Camino College**  
**Industry & Technology Advisory Committee Survey**  
**April 27, 2017**

Thank you for taking time from your busy schedule to meet with El Camino College faculty. As an industry advisory committee member, your feedback and support is critical to the delivery and quality of each program. To help keep El Camino up to date on your industry – please provide feedback in the areas listed below.

**What industry do you represent?**

☒ Admin of Justice

☐ CADD

☐ Electronics/

☐ Fashion

☐ Air Cond/Refrig

☐ Construction

☐ Comp Hardware

☐ Fire/Emerg Tech

☐ Architecture

☐ Tech

☐ Engineering

☐ Nutrition

☐ Auto Collision

☐ Cosmetology

☐ Tech/Machine Tool/

☐ Welding

☐ Auto Tech

☐ Environ. Tech

**Survey**

**I.** What industry or service sector do you or your company represent? Public Safety  
 (Utilities, Manufacturing, Healthcare, Public Safety, etc.)

• What is the demand for this program/industry in the South Bay (High, Average, Low)?

High

• Do you expect job growth (or a decline) in the next 2 to 5 years in jobs in your area due to the following? (Check all that apply)

☒ Retirements ☐ Technological Changes ☐ State Regulations ☐ Market Growth

☐ Other \_\_\_\_\_

• Please list entry level job title and average starting wages at your company:

POLICE OFFICER - Entry Level \$ 59,000  
 \_\_\_\_\_ - Entry Level \$ \_\_\_\_\_  
 \_\_\_\_\_ - Entry Level \$ \_\_\_\_\_

**II. Hard Skills: technical skill set and ability to perform a certain type of task or activity.**

What type of technical skills should entry level workers be able to demonstrate? ABILITY TO COMMUNICATE EFFECTIVELY BOTH ORALLY AND IN WRITING. Reading, Comprehension.

What type of equipment or computer software entry level workers students be able to use? BASIC COMPUTER SKILLS AND KNOWLEDGE OF COMMON OFFICE SOFTWARES SUCH AS MS WORD, EXCEL...

**III. Soft Skills: personal attributes that enhance an individual's interactions, job performance and career prospects. (Please select one for each row)**

	Not important	Somewhat important	Very important
Ability to communicate effectively	( )	( )	(4) ✓
Ability to work with others	( )	( )	(4) ✓
Show up for work on time	( )	( )	(4) ✓
Team player	( )	( )	(4) ✓
Ability to problem-solve	( )	( )	(4) ✓
Follow instructions/procedures	( )	( )	(4) ✓
Good manners	( )	( )	(4) ✓
Integrity	( )	( )	(4) ✓
Empathy	( )	( )	(4) ✓

**IV. Academic Skills – Math, Reading and Writing (Please select one for each row)**

	Not important	Somewhat important	Very important
Basic math (arithmetic)	( )	( )	(4) ✓
Algebra	( )	(4) ✓	( )
Geometry	( )	(4) ✓	( )
Advanced math (trig., statistics, calculus)	( )	(4) ✓	( )
Professional writing	( )	( )	(4) ✓
Technical writing	( )	( )	(4) ✓
Critical reading	( )	( )	(4) ✓
Ability to read technical material	( )	( )	(4) ✓

**V. Technical Training and Education (Please select one for each row)**

	Not important	Somewhat important	Very important
State certification/license	( )	( )	(✓)
Industry certification	( )	(✓)	( )
Community college specialization certificate	( )	(✓)	( )
Some college courses	( )	(✓)	( )
Associate degree	( )	(✓)	( )
Bachelor's year degree	( )	(✓)	( )

**VI. Licensure and Industry Certifications**

Please list any licenses or professional certifications required to work in your industry:

Local

State

National

How could El Camino College assist in this area? BASIC ACADEMY

**VII. Thinking about changes or advancements in your industry, are there any skills or training that would make a job candidate more qualified?**

Please list/describe any emerging skill or training needs based on technology, globalization, job competition, market demands, etc.

UNDERSTANDING OF VARIOUS COMPUTER SOFTWARE PROGRAMS

**VIII. How Are We Doing?** Please write in Strongly Agree, Agree, Neutral, Disagree, or Strongly Disagree in response to the statements below:

El Camino College is responsive to my needs as an employer. Agree

The courses that ECC offers address the skills needed for my industry. Agree

ECC adapts quickly to changes in my industry. Agree

ECC adapts quickly to changes for training employees in my industry. Agree

ECC is an approachable, collaborative partner. Strongly Agree

ECC students employed in my business/industry are well-prepared for the workforce. Agree

**IX. Would you be interested in offering paid internships to students?** ☐ Yes ☐ No

If yes, please provide your contact information so we can arrange a partnership:

Name: \_\_\_\_\_ Name of Company: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_





**El Camino College**  
**Industry & Technology Advisory Committee Survey**  
**April 27, 2017**

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**What industry do you represent?**

- |  |                                       |  |  |
|--|---------------------------------------|--|--|
| <input checked="" type="checkbox"/> Admin of Justice | <input type="checkbox"/> CADD         | <input type="checkbox"/> Electronics/  | <input type="checkbox"/> Fashion         |
| <input type="checkbox"/> Air Cond/Refrig             | <input type="checkbox"/> Construction | Comp Hardware                          | <input type="checkbox"/> Fire/Emerg Tech |
| <input type="checkbox"/> Architecture                | Tech                                  | <input type="checkbox"/> Engineering   | <input type="checkbox"/> Nutrition       |
| <input type="checkbox"/> Auto Collision              | <input type="checkbox"/> Cosmetology  | Tech/Machine Tool/                     | <input type="checkbox"/> Welding         |
| <input type="checkbox"/> Auto Tech                   |                                       | Manufacturing                          |  |
|  |                                       | <input type="checkbox"/> Environ. Tech |  |

**Survey**

**I.** What industry or service sector do you or your company represent? PUBLIC SAFETY  
 (Utilities, Manufacturing, Healthcare, Public Safety, etc.)

• What is the demand for this program/industry in the South Bay (High, Average, Low)?

• Do you expect job growth (or a decline) in the next 2 to 5 years in jobs in your area due to the following? (Check all that apply)

- ☐ Retirements ☐ Technological Changes ☒ State Regulations ☒ Market Growth  
☐ Other \_\_\_\_\_

• Please list entry level job title and average starting wages at your company:

\_\_\_\_\_ - Entry Level \$ \_\_\_\_\_  
 \_\_\_\_\_ - Entry Level \$ \_\_\_\_\_  
 \_\_\_\_\_ - Entry Level \$ \_\_\_\_\_

**II. Hard Skills: technical skill set and ability to perform a certain type of task or activity.**

What type of technical skills should entry level workers be able to demonstrate? \_\_\_\_\_  
COMMUNICATION & WRITING SKILLS

What type of equipment or computer software entry level workers students be able to use? \_\_\_\_\_  
 \_\_\_\_\_

**III. Soft Skills: personal attributes that enhance an individual's interactions, job performance and career prospects. (Please select one for each row)**

	Not important	Somewhat important	Very important
Ability to communicate effectively	( )	( )	<input checked="" type="checkbox"/>
Ability to work with others	( )	( )	<input checked="" type="checkbox"/>
Show up for work on time	( )	( )	<input checked="" type="checkbox"/>
Team player	( )	( )	<input checked="" type="checkbox"/>
Ability to problem-solve	( )	( )	<input checked="" type="checkbox"/>
Follow instructions/procedures	( )	( )	<input checked="" type="checkbox"/>
Good manners	( )	( )	<input checked="" type="checkbox"/>
Integrity	( )	( )	<input checked="" type="checkbox"/>
Empathy	( )	( )	<input checked="" type="checkbox"/>

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Geometry	( )	<input checked="" type="checkbox"/>	( )
Advanced math (trig., statistics, calculus)	( )	<input checked="" type="checkbox"/>	( )
Professional writing	( )	( )	<input checked="" type="checkbox"/>
Technical writing	( )	( )	<input checked="" type="checkbox"/>
Critical reading	( )	<input checked="" type="checkbox"/>	( )
Ability to read technical material	( )	<input checked="" type="checkbox"/>	( )



**V. Technical Training and Education (Please select one for each row)**

	Not important	Somewhat important	Very important
State certification/license	( )	( )	<input checked="" type="checkbox"/>
Industry certification	( )	( )	<input checked="" type="checkbox"/>
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**VI. Licensure and Industry Certifications**

Please list any licenses or professional certifications required to work in your industry:

Local \_\_\_\_\_

State POST CERTIFICATION

National \_\_\_\_\_

How could El Camino College assist in this area? \_\_\_\_\_

**VII. Thinking about changes or advancements in your industry, are there any skills or training that would make a job candidate more qualified?**

Please list/describe any emerging skill or training needs based on technology, globalization, job competition, market demands, etc.

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ECC adapts quickly to changes for training employees in my industry.

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ECC students employed in my business/industry are well-prepared for the workforce.

**IX. Would you be interested in offering paid internships to students?** ☐ Yes ☐ No

If yes, please provide your contact information so we can arrange a partnership:

Name: \_\_\_\_\_ Name of Company: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_

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**El Camino College**  
**Industry & Technology Advisory Committee Survey**  
**April 27, 2017**

*Thank you for taking time from your busy schedule to meet with El Camino College faculty. As an industry advisory committee member, your feedback and support is critical to the delivery and quality of each program. To help keep El Camino up to date on your industry – please provide feedback in the areas listed below.*

**What industry do you represent?**

☒ Admin of Justice

☐ CADD

☐ Electronics/

☐ Fashion

☐ Air Cond/Refrig

☐ Construction  
Tech

☐ Comp Hardware

☐ Fire/Emerg Tech

☐ Architecture

☐ Cosmetology

☐ Engineering

☐ Nutrition

☐ Auto Collision

☐ Tech/Machine Tool/  
Manufacturing

☐ Welding

☐ Auto Tech

☐ Environ. Tech

**Survey**

**I.** What industry or service sector do you or your company represent?  
 (Utilities, Manufacturing, Healthcare, Public Safety, etc.)

HEALTHCARE SECURITY

• What is the demand for this program/industry in the South Bay (High, Average, Low)?

AVERAGE

• Do you expect job growth (or a decline) in the next 2 to 5 years in jobs in your area due to the following? (Check all that apply)

☐ Retirements ☒ Technological Changes ☒ State Regulations ☒ Market Growth

☐ Other \_\_\_\_\_

• Please list entry level job title and average starting wages at your company:

SECURITY OFFICER I - Entry Level \$ 13/HR.  
 \_\_\_\_\_ - Entry Level \$ \_\_\_\_\_  
 \_\_\_\_\_ - Entry Level \$ \_\_\_\_\_

**II. Hard Skills: technical skill set and ability to perform a certain type of task or activity.**

What type of technical skills should entry level workers be able to demonstrate? COMMUNICATION,  
1ST RESPONDER TRAINING, PROFESSIONALIZE SECURITY, I.E.,  
P.O.S.T. VERSION

What type of equipment or computer software entry level workers students be able to use? \_\_\_\_\_  
WORD PROCESSING, EXCEL/WORD, RADIO, NEW TECHNOLOGY

**III. Soft Skills: personal attributes that enhance an individual's interactions, job performance and career prospects. (Please select one for each row)**

	Not important	Somewhat important	Very important
Ability to communicate effectively	( )	( )	(X)
Ability to work with others	( )	( )	(X)
Show up for work on time	( )	( )	(X)
Team player	( )	( )	(X)
Ability to problem-solve	( )	( )	(X)
Follow instructions/procedures	( )	( )	(X)
Good manners	( )	( )	(X)
Integrity	( )	( )	(X)
Empathy	( )	( )	(X)

**IV. Academic Skills – Math, Reading and Writing (Please select one for each row)**

	Not important	Somewhat important	Very important
Basic math (arithmetic)	( )	( )	(X)
Algebra	( )	(X)	( )
Geometry	( )	(X)	( )
Advanced math (trig., statistics, calculus)	( )	(X)	( )
Professional writing	( )	( )	(X)
Technical writing	( )	( )	(X)
Critical reading	( )	( )	(X)
Ability to read technical material	( )	( )	(X)



**V. Technical Training and Education (Please select one for each row)**

	Not important	Somewhat important	Very important
State certification/license	( )	( )	(2) ✓
Industry certification	( )	( )	(2) ✓
Community college specialization certificate	( )	(1) ✓	( )
Some college courses	( )	(2) ✓	( )
Associate degree	( )	( )	(2) ✓
Bachelor's year degree	( )	(1) ✓	( )

**VI. Licensure and Industry Certifications**

Please list any licenses or professional certifications required to work in your industry:

Local \_\_\_\_\_

State GUARD CARDS

National CERTIFIED PROTECTION PROFESSIONAL (CPP); CERTIFIED HEALTHCARE PRO. ADMIN.

How could El Camino College assist in this area? AWARENESS

(CHPA)

**VII. Thinking about changes or advancements in your industry, are there any skills or training that would make a job candidate more qualified?**

Please list/describe any emerging skill or training needs based on technology, globalization, job competition, market demands, etc.

**VIII. How Are We Doing?** Please write in Strongly Agree, Agree, Neutral, Disagree, or Strongly Disagree in response to the statements below:

El Camino College is responsive to my needs as an employer. NEUTRAL

The courses that ECC offers address the skills needed for my industry. STRONGLY AGREE

ECC adapts quickly to changes in my industry. STRONGLY AGREE

ECC adapts quickly to changes for training employees in my industry. STRONGLY AGREE

ECC is an approachable, collaborative partner. STRONGLY AGREE

ECC students employed in my business/industry are well-prepared for the workforce. STRONGLY AGREE

**IX. Would you be interested in offering paid internships to students?** ☐ Yes ☒ No

If yes, please provide your contact information so we can arrange a partnership:

Name: \_\_\_\_\_ Name of Company: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_





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Chief	Mitch	Tavera		El Segundo Police Department	No	348 Main St.	El Segundo, CA 90245	(310) 524-2270	<a href="mailto:mtavera@elsegundo.org">mtavera@elsegundo.org</a>	Administration of Justice
Chief	Michael	Trevis	Chief of Police	El Camino College	X	16007 Crenshaw Blvd.	Torrance, CA 90506	(310) 660-3593 Ext. 3101	<a href="mailto:mtrevis@elcamino.edu">mtrevis@elcamino.edu</a>	Administration of Justice

## COSMETOLOGY ADVISORY COMMITTEE LIST - 4/12/16

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## COSMETOLOGY ADVISORY COMMITTEE LIST - 4/12/16

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Mr.	Ray	Cooke			L-3 Communications Electron		3100 West Lomita Blvd., P.O. Box 2999	Torrance, CA 90509	(310) 517-5856	X	<a href="mailto:Raycooke@L-3com.com">Raycooke@L-3com.com</a>	Electronics
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## COSMETOLOGY ADVISORY COMMITTEE LIST - 4/12/16

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	Kendall	Davis					11716 Gayview Dr.	La Mirada, CA 90638	(562) 941-5056		<a href="mailto:crossingkog@yahoo.com">crossingkog@yahoo.com</a>	Administration of Justice
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Ms.	Maria	DeGracia								x		WIT
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Mr.	Brian	Demeules										Automotive Collision Repair & Painting/Tech

## COSMETOLOGY ADVISORY COMMITTEE LIST - 4/12/16

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Mr.	Charles	Eddy		Principal Modeler	Honda R & D Americans, Inc.		1900 Harpers Way	Torrance, CA 90501	(310) 781-5273		<a href="mailto:ceddy@hra.com">ceddy@hra.com</a>	Automotive Collision Repair & Painting/Tech

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	Joaquin	Guillen		Mechanical Fabrication Supervisor	Northrop Grumman		One Space Park – R6/R1042 M3/1083	Redondo Beach, CA 90278	(310) 814-2551		<a href="mailto:Joaquin.guillen@ngc.com">Joaquin.guillen@ngc.com</a>	Automation, Robotics & Manufacturing
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## COSMETOLOGY ADVISORY COMMITTEE LIST - 4/12/16

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Mr.	Jason	Mansur			South Bay Toyota		18416 Western Ave.	Gardena, CA 90248	(310) 323-7800			Automotive Collision Repair
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## COSMETOLOGY ADVISORY COMMITTEE LIST - 4/12/16

Title	FirstName	LastName	RSVP	JobTitle	Company	ECC	Address1	City, ST Zip	WorkPhone	Notes	Email	Department
Chief	Sharon	Papa		Public Safety Director	Hermosa Beach Police Department		540 Pier Ave.	Hermosa Beach, CA 90266	(310) 318-0360			Administration of Justice
Ms.	Mary Rose	Pascua			St Mary's Academy		701 Grace Ave	Inglewood, CA 90301	310-674-8470 x310		<a href="mailto:MPASCUA@SMABELLES.ORG">MPASCUA@SMABELLES.ORG</a>	PLTW
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Mr.	Gen	Perez		Human Resources	ACE Clearwater Enterprises		19815 Magelian Drive	Torrance, CA 90502	(310) 965-5305		<a href="mailto:gperez@aceclearwater.com">gperez@aceclearwater.com</a>	Automation, Robotics & Manufacturing
Ms.	Barbara	Perez		Vice President	El Camino College	X	1111 E. Artesia Blvd.	Compton, CA 90221	(310) 900-1600		<a href="mailto:bperez@elcamino.edu">bperez@elcamino.edu</a>	Dr. Rodriguez
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Mrs.	Cherri	Phan		VP of Operations	Polished Perfect LLC		2260 University Drive	Newport Beach, CA	(949) 287-6563		<a href="mailto:cherri.phan@polishedperfect.com">cherri.phan@polishedperfect.com</a>	Cosmetology
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Mr.	Joe	Pizano					13917 Gale Ave.	Carson, CA 90250	(310) 644-2703		<a href="mailto:joe.pizano.@lousd.net">joe.pizano.@lousd.net</a>	Welding
	Anders	Plano									<a href="mailto:andersplano@yahoo.com">andersplano@yahoo.com</a>	Automation, Robotics &
Mr.	Steven	Platt		Automotive Program	Federal Bureau of		11000 Wilshire Boulevard, Suite	Los Angeles, CA 90024	(310) 996-4112			Automotive Collision Repair
Mr.	Wayne	Powers		Manufacturing Analyst	Northrop Grumman		Dept L02P6A/W1	El Segundo, CA 90245-	(310) 331-1024 (310) 919-8177		<a href="mailto:Wayne.powers@ngc.com">Wayne.powers@ngc.com</a>	Automation, Robotics &
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Chief	William	Racowski			Torrance Fire Department		1701 Crenshaw Blvd.	Torrance, CA 90501	(310) 781-7000		<a href="mailto:wracowski@TorranceCA.gov">wracowski@TorranceCA.gov</a>	Fire and Emergency
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Ms.	Sue	Ramirez		Training West	Belimo Americas				(714) 898-8822		<a href="mailto:Sue.ramirez@us.belimo.com">Sue.ramirez@us.belimo.com</a>	Air Conditioning
Ms.	Stacy	Ramos			NAPA Auto & Truck Parts		13415 S. Hawthorne Blvd.	Hawthorne, CA 90250				Automotive Collision Repair
Mr.	Eddie	Ramos			NAPA Auto & Truck Parts		13415 S. Hawthorne Blvd.	Hawthorne, CA 90250				Automotive Collision Repair & Painting/Tech
Mr.	Jeff	Recker	Y	President Contractor	Accutherm Refrigeration Inc.		11264 Monarch Street Unit A	Garden Grove, CA 92841	(562)708-3763	Mail addressed to 3700 Industry Ave., #103,	<a href="mailto:jrecker@accutherminc.com">jrecker@accutherminc.com</a>	Air Conditioning
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	Brad	Risser			Flir				(503) 860-7076 (cell) (714) 994-5399		<a href="mailto:Brad.Risser@flir.com">Brad.Risser@flir.com</a>	Air Conditioning
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## COSMETOLOGY ADVISORY COMMITTEE LIST - 4/12/16

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	Petra	Sanches			WINTER		3655 S. Grand Ave., Suite 210	Los Angeles, CA 90007				WIT
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Chief	Christopher	Sellers			Culver City Fire Department		9770 Culver Blvd.	Culver City, CA 90232	(310) 253-5900		<a href="mailto:Chris.sellers@culvercity.org">Chris.sellers@culvercity.org</a>	Fire and Emergency Technology
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## COSMETOLOGY ADVISORY COMMITTEE LIST - 4/12/16

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	Altha	St. Clair III		Technical Designer Denim	GUESS? Inc.		althastclairiii.carbonmade.com		(213) 271-7725	X	<a href="mailto:althastclairiii@gmail.com">althastclairiii@gmail.com</a>	Fashion
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	Aschelle	Thomas			WIT							WIT
Chief	Jon	Thompson			Compton Fire Department		201 S. Acacia	Compton, CA 90220	(310) 605-5670		<a href="mailto:jthompson@comptoncity.org">jthompson@comptoncity.org</a>	Fire and Emergency Technology
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Mr.	David R.	Tolin		President	PML Incorporated		201 West Beach Ave.	Inglewood, CA 90302	(310) 671-4345 Fax (310) 671-0858			Automation, Robotics & Manufacturing
Mr.	John	Torres		Asst. Director,(ret.)	ATF		550 North Brand Blvd., Suite 800	Glendale, CA 91203	(818) 265-2500			Administration of Justice
Ms.	Alexandra	Torres - Galancid		Executive Director	WINTER		3655 S. Grand Ave., Suite 210	Los Angeles, CA 90007	(213) 749-3970 Ext. 1002		<a href="mailto:atgalancid@winterwomen.org">atgalancid@winterwomen.org</a>	WIT
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## COSMETOLOGY ADVISORY COMMITTEE LIST - 4/12/16

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Mr.	Steve	Wallis		Principal	Da Vinci		13500 Aviation Blvd	Hawthorne, CA 90250	310-725-5800		<a href="mailto:swallis@davincischools.org">swallis@davincischools.org</a>	PLTW
Mr.	Phil	Walls									<a href="mailto:pwalls@elcamino.edu">pwalls@elcamino.edu</a>	Air Conditioning
Mr.	Jerome	Ward		Regional Technician	The Retail Performance		300 Chestnut Ridge Road	Woodcliff Lake, NJ	(551) 262-2746		<a href="mailto:jerome.ward@rpc-partners.com">jerome.ward@rpc-partners.com</a>	Automotive Collision Repair
Mr.	David	Watson	No	Architect			920 Manhattan Beach Blvd., Suite 6	Manhattan Beach, CA 90266	(310) 546-0044		<a href="http://www.watsonarchitect.com">www.watsonarchitect.com</a>	Architecture
Mr.	Mark	Watson			South Bay Toyota		18416 Western Ave.	Gardena, CA 90248	(310) 323-7800			Automotive Collision Repair & Painting/Tech
Mr.	Jason	Webber			Quality		PO Box 367	Wilmington	(310)549-1532			Air
Mr.	Chris	Weeres			Alcoa Fasteners		1436 West 257 Unit #304	Harbor City, CA 90710	(310) 784-2685 (310) 530-9182			Automation, Robotics & Manufacturing
Mr.	David	Wells		Office of Certification and Program Approvals	Emergency Medical Services Agency		10100 Pioneer Blvd., Ste. 200	Santa Fe Springs, CA 90670	(562) 347-1689		<a href="mailto:dwells@dhs.lacounty.gov">dwells@dhs.lacounty.gov</a>	Fire and Emergency Technology
Ms.	Nicole	Wesley		Principal	Redondo Union High School		One Sea Hawk Way	Redondo Beach, CA 90277			<a href="mailto:nwesley@rbusd.org">nwesley@rbusd.org</a>	PLTW
Ms.	Charise	Williams		Master Teacher	McBride High School		7025 E. Parkcrest St.	Long Beach, CA 90808	562-425-3539		<a href="mailto:cwilliams@lbschools.net">cwilliams@lbschools.net</a>	PLTW
	Tony	Winters			Daikin Applied		11612 Knott Avenue, Suite G18	Garden Grove, CA 92841	(562) 293-7390 (cell) (562) 404-0076		<a href="mailto:Tony.Winters@DaikinApplied.com">Tony.Winters@DaikinApplied.com</a>	Air Conditioning

## COSMETOLOGY ADVISORY COMMITTEE LIST - 4/12/16

Title	FirstName	LastName	RSVP	JobTitle	Company	ECC	Address1	City, ST Zip	WorkPhone	Notes	Email	Department
Mr.	Brian	Winters		Architect			413 25th St.	Hermosa Beach, CA 90254	(310) 788-3465			Architecture
Mr.	Fred	Wolf		Owner Contractor	Chillrite Air Conditioning, INC		4127 Sequoia St	Los Angeles, CA 90039	(818)243-6227		<a href="mailto:fred@chillriteac.com">fred@chillriteac.com</a>	Air Conditioning
Mr.	David	Wong		Technician	Mitsubishi Motor Sales of America, Inc.		6400 Katella Ave. P.O. Box 6400	Cypress, CA 90630-0064	(714) 372-6499		dwong@mmsa.com	Automotive Collision Repair & Painting/Tech
Mr.	Paul	Woodward		Teacher	Ridgecrest Intermediate School		28915 Northbay Rd.	Rancho Palos Verdes, CA 90275	310-245-5525		<a href="mailto:woodyris@yahoo.com">woodyris@yahoo.com</a>	PLTW

FT/PT	Name	RSVP	FirstName	LastName	Job Title
FT	Anderson, Michael	Y	Mike	Anderson	Faculty
PT	Arnold, Mark				
FT	Bruce Ashley, Vera	y	Vera	Ashley-Bru	Faculty
PT	Bakalyar, Allen	Y	Allen	Bakalyar	Faculty
FT	Beaudoin, Robert	y	Robert	Beaudoin	Faculty
PT	Brewer-Smith Charlene		Charlene	Brewer-Sm	Faculty
PT	Brownlie, Mike				
FT	Cafarchia, Vic	N	Vic	Cafarchia	Faculty
FT	Carlson, Eric	Y	Eric	Carlson	Faculty
PT	Chase, Richard				
FT	Cocca, Steve	Y	Steve	Cocca	Faculty
PT	Coffelt, Kevin				
PT	Colin, Nick				
PT	Cook, Bruce		Bruce	Cook	Faculty
PT	David Gonzales				
PT	Davis, Randal	Y	Randal	Davis	Faculty
PT	DeLa Torre, Victor	Y	Victor	Delatorre	Faculty
PT	Dennis, Tim	N			
PT	Diaz, Robert	Y	Bob	Diaz	Faculty
PT	Diggins-Davis, Makisha				
FT	Durand, Ross	Y	Ross	Durand	Faculty
PT	Effler, Michael				
PT	Ellis, Steven				
FT	Fairchild, Pati	Y	Pati	Fairchild	Faculty
FT	Fields, Mark	y	Mark	Fields	Faculty
PT	Garcia, Carlos	Y	Carlos	Garcia	Faculty
FT	Gebert, Pat	Y	Patti	Gebert	Faculty
PT	George, Greg		Greg	George	Faculty
FT	Glenn, Doug	Y	Doug	Glenn	Faculty
PT	Green, Bridgitte				
PT	Griffin, Matt				
PT	Hamilton, Charles				
FT	Hironaka, Hiram	Y	Hiram	Hironaka	Faculty
FT	Hofmann, Ed	Y	Ed	Hofmann	Faculty
FT	Huben, Kevin	Y	Kevin	Huben	Faculty
PT	Jackson, Meredith	Y	Meredith	Jackson	Faculty
PT	Johnson, Peggy (Margaret)		Peggy	Johnson	Faculty
PT	Johnson, William		William	Johnson	Faculty
PT	Kooiman, Brent	Y	Brent	Kooiman	Faculty
PT	Lemmon, James				
FT	Lewis, Ray	Y	Ray	Lewis	Faculty
PT	Lyons, Mary		Mary	Lyons	Faculty
FT	Macpherson, Lee		Lee	Macpherso	Faculty
PT	Marshall, Michael				
FT	Marston, Doug		Doug	Marston	Faculty
PT	Martinez, Richard				

FT	Melendez, Bill	Y	Bill	Melendez	Faculty
PT	Meredith, Don				
FT	Muckey, Tim	Y	Tim	Muckey	Faculty
PT	Murray, Sheila	Y	Sheila	Murray	Faculty
FT	Nemie, Vivian	Y	Vivian	Nemie	Faculty
PT	Neumann, Craig	Y	Craig	Neumann	Faculty
FT	Newell, Renee	Y	Renee	Newell	Faculty
PT	Nickolin, Nick				
PT	Null, Steven	Y	Steven	Null	Faculty
PT	Owens, Annette	Y	Annette	Owens	Faculty
PT	Owens, Charles	Y	Charles	Owens	Faculty
PT	Pena, Max				
PT	Ratcliff, Priscilla				
FT	Richardson, Dan	Y	Dan	Richardson	Faculty
PT	Rizzo, Geoff		Geoff	Rizzo	Faculty
PT	Robinson, Ken	Y	Ken	Robinson	Faculty
PT	Rock, Eugene				
PT	Rodriguez, Bernardo				
PT	Rodriguez, David				
PT	Rojo, Rey				
FT	Ruggirello, John	Y	John	Ruggirello	Faculty
PT	Schneider, Julie				
FT	Selph, Jack	Y	Jack	Selph	Faculty
PT	Shaffer, Cheryl		Cheryl	Shaffer	Faculty
PT	Shibuya, Steve				
PT	Skipper, John				
PT	Slawson, John				
PT	Smith, Mike				
FT	Stallings, Mike	Y	Mike	Stallings	Faculty
FT	Stockwell, Harry		Harry	Stockwell	Faculty
PT	Stott, Bobette				
PT	Strobel, Lynn				
PT	Sweatt, Brad				
PT	Swobodzinski, Kim				
PT	Ueda, Dale		2 Dale	Ueda	Faculty
PT	Ulloa, Jorge	Y	Jorge	Ulloa	Faculty
PT	Valladares, Dan	Y	Dan	Valladares	Faculty
PT	Warren, Earl				
PT	Warren, Shirley				
PT	Warren, Sue Ellen				
PT	Weeks, Frank				
PT	Whitaker, Carl				
FT	Winfree, Merriel		Merriel	Winfree	Faculty
PT	Winkler, David				
PT	Yang, Isaac				



Company  
El Camino College

Department  
Automotive Technology

El Camino College  
El Camino College  
El Camino College  
El Camino College

Fashion  
Computer Aided Drafting/Design  
Automotive Technology  
Cosmetology

El Camino College  
El Camino College

Air Conditioning  
Machine Tool Technology

El Camino College

Electronics

El Camino College

Architecture

El Camino College  
El Camino College

Administration of Justice  
Machine Tool Technology

El Camino College

Electronics

El Camino College

Construction Technology

El Camino College  
El Camino College  
El Camino College  
El Camino College  
El Camino College  
El Camino College

Auto Collision Repair/Painting  
Administration of Justice  
Electronics  
Cosmetology  
Architecture  
Computer Aided Drafting/Design

El Camino College  
El Camino College  
El Camino College  
El Camino College  
El Camino College  
El Camino College  
El Camino College

Automotive Technology  
Machine Tool Technology  
Fire and Emergency Technology  
Fashion  
Architecture  
Air Conditioning  
Auto Collision Repair/Painting

El Camino College  
El Camino College  
El Camino College

Administration of Justice  
Nutrition and Foods  
Fire and Emergency Technology

El Camino College

Electronics

El Camino College

Fire and Emergency Technology

El Camino College

Air Conditioning

El Camino College

Cosmetology

El Camino College

Cosmetology

El Camino

Fire and Emergency Technology

El Camino College

Welding

El Camino Automotive Technology

El Camino College

Fashion

El Camino College

Auto Collision Repair/Painting

El Camino College

Architecture

El Camino College

Administration of Justice

El Camino Air Conditioning

El Camino College

Electronics

El Camino College

Construction Technology

El Camino College

Administration of Justice

El Camino College

Architecture

El Camino College

Automotive Technology

El Camino College

Air Conditioning

El Camino Computer Aided Drafting/Design

El Camino College

Computer Aided Drafting/Design

El Camino College

Cosmetology

Andrew, Diana	Y		FirstName	LastName
Arce, Dr. Francisco	Y		Robin	Elton
Arzoian, Elena	Y		Richard	Gonzalez
Barnard, Seth			Irene	Graff
Carter, Kathryn	Y			
De Gracia, Maria	Y		Phil	Mariano
Demeules, Brian	Y			
Elton, Robin	Y		Tanysha	Laney
Gallegos, Cristal		2	Tammy	Pao
Gonzalez, Richard	Y			
Graff, Irene	Y			
Granados, Alba		2		
Holt, Paul				
Hutcherson, Matthw			Deborah	Zavala
Jones-Morrison, Jonelle	Y		Elena	Arzoian
Laney, Tanysha	Y			
Latuner, Karen	Y			
Mariano, Phil			Jonelle	Jones-Morrision
Marshall, Brandon	Y			
Martinez-Weitzel, Victoria	Y			
Montes, Lorena	Y		Naomi	Tokuda
Name	RSVP		Karen	Latuner
Newton, Michael	N		Brandon	Marshall
Novack, Rosa	Y		Ron	Way
Pahls, Mike			Francisco	Arce
Pao, Tammy	Y		Victoria	Martinez
Peck, Kevin			John	Weitzel
Peck, Lois	N		Daniel	Shrader
Peterson, Pete			Stephanie	Rodriguez
Pulido, Victor		2	Victor	Pulido
Quero, Nick			Denise	Spurlock
Rayford, Valencia	Y		Valencia	Rayford
Rodriguez, Stephanie	Y		Kathryn	Carter
Scharf, Kimberly	Y		Diana	Andrew
Shrader, Daniel	Y		Brian	Demeules
Spurlock, Denise	Y		Michael	Trevis
Tokuda, Naomi	Y		Lorena	Montes
Trevis, Michael	Y		Maria	De Gracia
VanOverbeck, Michael				
Way, Ron	n			
Weitzel, John	Y			
Williams, Alicia		2	Kimberly	Scharf
Zavala, Deborah			Rosa	Novack

Company	Department
El Camino College	Division Office
El Camino College	Division Office
El Camino College	Insitutional Research

El Camino College	Cosmetoloy
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El Camino College	Institutional Research
El Camino College	Business Division

El Camino College	Division Office
El Camino College	Cosmetology

El Camino College	Division Office
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Career Pathways  
Project Lead the Way

Project Lead the Way  
El Camino College  
Women in Technology  
CTE Teacher Pipeline  
El Camino College  
El Camino College

El Camino College	
El Camino College	Counseling
ECC Student	Auto Collision Repair/Painting
ECC Student	Auto Collision Repair/Painting
ECC Student	Auto Collision Repair/Painting
El Camino College	Campus Police
Women in Technology	
Women in Technology	

Women in Technology  
Women in Technology

Total Attending

Master	#REF!
Faculty	34
Others	24
Total	#REF!



CTEOS Export		
Survey year	School or Region	Program

[illegible]

[illegible]

[illegible]

[illegible]

## Metric

Average # of Units

Average # of Units

Average # of Units

Average GPA

Average GPA

Average GPA

Change in hours worked

Change in job permanence

Change in average hourly wages

Change in hours worked

Change in job permanence

Change in average hourly wages

Change in hours worked

Change in job permanence

Change in average hourly wages

Primary reason students studied at the college

Primary reason students studied at the college

Primary reason students studied at the college

Primary reason students studied at the college

Primary reason students studied at the college

Primary reason students studied at the college

Satisfaction with the education and training received at the college

Satisfaction with the education and training received at the college

Satisfaction with the education and training received at the college

Satisfaction with the education and training received at the college

Satisfaction with the education and training received at the college

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

Reason Students are not taking as many classes

What students did after completing coursework

What students did after completing coursework

Use of career services



## Use of career services

### Internship or work-based learning experience

### Transfer pathway

### Transfer pathway

Two year or four year college or university

### Third party credentials

Gender: Cohort

Ethnicity: Cohort

Ethnicity: Cohort

Ethnicity: Cohort

Ethnicity: Cohort

Age: Cohort

Age: Cohort

Age: Cohort

Age: Cohort

Age: Cohort

Age: Cohort

Disabled Student Programs and Services (DSPS) Status: Cohort

Disabled Student Programs and Services (DSPS) Status: Cohort

### Limited English Proficiency: Cohort

### Limited English Proficiency: Cohort

Survey Response Rate: Respond

Survey Response Rate: Respond

Survey Response Rate: Respond

Gender: Respond

Gender: Respond

Ethnicity: Respond

Ethnicity: Respond

Ethnicity: Respond

Ethnicity: Respond

Ethnicity: Respond

Ethnicity: Respond

Ethnicity: Respond

Ethnicity: Respond

Age: Respond  
Age: Respond  
Age: Respond  
Age: Respond  
Age: Respond  
Age: Respond  
Age: Respond  
Disabled Student Programs and Services (DSPS) Status: Respond  
Disabled Student Programs and Services (DSPS) Status: Respond  
Limited English Proficiency: Respond  
Limited English Proficiency: Respond  
Impact of coursework on employment  
Impact of coursework on employment  
Impact of coursework on employment  
Impact of coursework on employment  
Impact of coursework on employment  
Impact of coursework on employment  
Current employment status  
Current employment status  
Current employment status  
Current employment status  
Current employment status  
Current employment status  
Length of current employment  
Length of current employment  
Length of current employment  
Length of current employment  
Length of current employment  
Relationship of current job to field of study  
Job search outcomes  
Job search outcomes  
Job search outcomes  
Job search outcomes  
Job search outcomes  
Length of job search  
Length of job search  
Length of job search  
Length of job search  
Length of job search  
Seeking to change fields  
Seeking to change fields  
Job permanence before coursework  
Job permanence before coursework  
Job permanence before coursework  
Job permanence after coursework  
Job permanence after coursework

Job permanence after coursework  
Hours worked before coursework  
Hours worked before coursework  
Hours worked before coursework  
Hours worked after coursework  
Hours worked after coursework  
Hours worked after coursework  
Program of study  
Program of study  
Program of study  
Program of study  
Program of study  
Program of study  
Program of study  
Program of study  
Program of study  
Program of study  
Program of study  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
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Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Industry of current job  
Employment before college  
Employment before college  
Average hourly wages before coursework  
Average hourly wages after coursework

## Sub Category

All students  
Non-respondents  
Respondents  
All students  
Non-respondents  
Respondents  
Positive Change  
Positive Change  
Positive Change  
No Change  
No Change  
No Change  
Negative Change  
Negative Change  
Negative Change  
Earn a certificate or degree AND transfer  
Earn a certificate or degree NOT to transfer  
Earn transfer units with or without getting an associate degree  
Take classes to update job skills or renew a license/permit  
Take classes for self-enrichment only  
Other (open-ended)  
Very satisfied  
Satisfied  
Neither satisfied nor dissatisfied  
Dissatisfied  
Very dissatisfied  
My goals were met  
I completed the program  
Didn't have enough time for classes  
I got a job  
My job changed  
Relocation  
Need more time to decide what I want  
Classes I needed were not available  
Family or personal reasons  
Program was not what I wanted  
Semester is too long  
I needed more ESL and/or basic skills to be successful  
Transferred to another school  
I am still enrolled  
Financial reasons  
I stopped attending for a while but then I returned  
I obtained an industry certification or licensure in the same field of study  
I obtained a journey-level status in the same field of study  
Yes-many times

Yes-once or a few times

No-not at all

No

Yes-paid

Yes-unpaid

No, I did not transfer

Yes, I transferred to a different college IN THE SAME FIELD OF STUDY

Yes, I transferred to a different college IN A DIFFERENT FIELD OF STUDY

Two-year college

Four-year college or university

Other

I obtained an official industry certification or state/professional license in the same field of study (not a college-av

I obtained an official certification of journey-level status in the same field of study

Male

Female

Asian

Black or African American

Hispanic/Latino

American Indian or Alaska Native

Native Hawaiian or Other Pacific Islander

Two or more races

White

Unknown

19 or Less

20 to 24

25 to 29

30 to 34

35 to 39

40 to 49

50 +

Yes

No

Enrolled in at least one basic skills ESL course

Neither enrolled in ESL nor identified as needing ESL

Phone

Email

SMS

Male

Female

Asian

Black or African American

Hispanic/Latino

American Indian or Alaska Native

Native Hawaiian or Other Pacific Islander

Two or more races

White

Unknown



19 or Less

20 to 24

25 to 29

30 to 34

35 to 39

40 to 49

50 +

Yes

No

Enrolled in at least one basic skills ESL course

Neither enrolled in ESL nor identified as needing ESL

Enabled me to learn skills that allowed me to stay in my current job

Enabled me to learn skills that allowed me to get a promotion at my same organization

Enabled me to learn skills that allowed me to get a job at a new organization

Enabled me to start my own business

Prepared me for a possible new job

No impact on my employment

Self-employed

Employed at one job

Employed at more than one job

Working, but not for pay (caregiving, volunteering, etc.) and not seeking paid employment

Working, but not for pay, seeking paid employment

Unemployed, seeking employment

Unemployed, not seeking employment

Less than 6 months

6 months to 1 year

1 – 2 years

2 – 3 years

3 or more years

Percentage in a Job Closely Related to Field of Study

Yes, and I found a job

Yes, and I still have not found a job

No, I was already employed when I finished my courses and training

No, I was not looking for employment after I finished my courses and training

Not applicable as I am still pursuing my studies

0 months (I found one by the time I finished school)

1 - 3 months

4 - 6 months

7 - 12 months

13+ months

Yes

No

Permanent

Temporary

Seasonal

Permanent

Temporary

Seasonal

Full-time (40 or more hours per week)

Part-time (20 to 39 hours per week)

Part-time (less than 20 hours per week)

Full-time (40 or more hours per week)

Part-time (20 to 39 hours per week)

Part-time (less than 20 hours per week)

Accounting

Business

Child development/early childhood education (ece)

Computer science

Criminal justice/administration of justice

Dental hygiene/assisting

Graphic design

Interior design

Nursing

Paralegal

Other (open ended)

None (n/a)

Agriculture, Forestry, Fishing and Hunting

Accommodation and Food Services (e.g., restaurant server, bartender)

Administrative and Support and Waste Management and Remediation Services (e.g., security guard)

Arts, Entertainment, and Recreation

Construction

Educational Services (e.g., teacher, tutor)

Finance and Insurance

Health Care and Social Assistance (e.g., dental hygienist, nurse, counselor, radiologic technologist, patient service

Information (e.g., library services)

Management of Companies and Enterprises

Manufacturing

Mining

Professional, Scientific, and Technical Services (e.g., veterinary technician, accountant, paralegal, legal assistant, ir

Public Administration (court operations clerk, firefighter, police or correctional officer)

Real Estate Rental and Leasing (e.g., real estate agent or broker)

Retail Trade (e.g., pharmacy technician, retail associate)

Transportation and Warehousing (e.g., limousine driver, truck driver)

Utilities

Wholesale Trade

Other (open ended)

Yes

No

Category	Value	Denominator	Rate	State Value
All Students	60.5501355	351		52.03914765
All Students	60.23272727	264		49.59722735
All Students	61.4787234	87		57.59766966
All Students	2.840867209	351		2.39106075
All Students	2.762618182	264		2.336721553
All Students	3.069787234	87		2.500919142
All Students	35		0.171428571	
All Students	35		0.057142857	
All Students	24		0.708333333	
All Students	35		0.685714286	
All Students	35		0.8	
All Students	24		0.166666667	
All Students	35		0.142857143	
All Students	35		0.142857143	
All Students	24		0.125	
All Students	9	66	0.136363636	531
All Students	19	66	0.287878788	1088
All Students	26	66	0.393939394	1353
All Students	3	66	0.045454545	217
All Students	7	66	0.106060606	230
All Students	2	66	0.03030303	207
All Students	48	85	0.564705882	2135
All Students	28	85	0.329411765	1572
All Students	6	85	0.070588235	224
All Students				73
All Students	3	85	0.035294118	58
All Students	22	63	0.349206349	1638
All Students	20	63	0.317460317	1661
All Students	6	63	0.095238095	485
All Students	6	63	0.095238095	920
All Students	2	63	0.031746032	375
All Students	0	63	0	379
All Students	0	63	0	0
All Students	6	63	0.095238095	311
All Students	4	63	0.063492063	439
All Students	0	63	0	0
All Students	0	63	0	0
All Students	0	63	0	0
All Students	19	63	0.301587302	1154
All Students	0	63	0	0
All Students	4	63	0.063492063	283
All Students	3	63	0.047619048	345
All Students	9	16	0.5625	621
All Students	7	16	0.4375	223
All Students	2	65	0.030769231	214

All Students	19	65	0.292307692	746
All Students	44	65	0.676923077	2642
All Students	55	65	0.846153846	3118
All Students	3	65	0.046153846	177
All Students	7	65	0.107692308	292
All Students	32	65	0.492307692	1993
All Students	26	65	0.4	1241
All Students	7	65	0.107692308	339
All Students	3	33	0.090909091	138
All Students	30	33	0.909090909	1395
All Students				28
All Students	9	16	0.5625	621
All Students	7	16	0.4375	146
All Students	181	351	0.515669516	9155
All Students	170	351	0.484330484	7203
All Students	72	351	0.205128205	1871
All Students	44	351	0.125356125	993
All Students	156	351	0.444444444	6648
All Students				68
All Students				70
All Students	14	351	0.03988604	599
All Students	58	351	0.165242165	5468
All Students	7	351	0.01994302	789
All Students	7	351	0.01994302	739
All Students	171	351	0.487179487	7237
All Students	88	351	0.250712251	3693
All Students	27	351	0.076923077	1836
All Students	18	351	0.051282051	1009
All Students	19	351	0.054131054	1190
All Students	21	351	0.05982906	792
All Students	15	351	0.042735043	880
All Students	336	351	0.957264957	15626
All Students	5	351	0.014245014	509
All Students	346	351	0.985754986	15989
All Students	22	90	0.244444444	2484
All Students	39	90	0.433333333	1960
All Students	29	90	0.322222222	652
All Students	48	181	0.26519337	2585
All Students	39	170	0.229411765	2374
All Students	20	72	0.277777778	608
All Students	10	44	0.227272727	288
All Students	40	156	0.256410256	2071
All Students				20
All Students				21
All Students	3	14	0.214285714	176
All Students	12	58	0.206896552	1665
All Students	2	7	0.285714286	152

All Students	1	7	0.142857143	219
All Students	33	171	0.192982456	2168
All Students	20	88	0.227272727	986
All Students	6	27	0.222222222	527
All Students	6	18	0.333333333	306
All Students	10	19	0.526315789	430
All Students	11	21	0.523809524	365
All Students	3	15	0.2	332
All Students	84	336	0.25	4669
All Students	0	5	0	179
All Students	87	346	0.251445087	4819
All Students	3	60	0.05	227
All Students	4	60	0.066666667	261
All Students	7	60	0.116666667	562
All Students	4	60	0.066666667	118
All Students	12	60	0.2	1042
All Students	30	60	0.5	1127
All Students	7	63	0.111111111	238
All Students	37	63	0.587301587	2199
All Students	5	63	0.079365079	373
All Students	0	63	0	41
All Students	1	63	0.015873016	36
All Students	9	63	0.142857143	360
All Students	4	63	0.063492063	273
All Students	6	46	0.130434783	437
All Students	9	46	0.195652174	471
All Students	7	46	0.152173913	745
All Students	8	46	0.173913043	393
All Students	16	46	0.347826087	706
All Students				308
All Students	16	61	0.262295082	913
All Students	6	61	0.098360656	254
All Students	21	61	0.344262295	1080
All Students	6	61	0.098360656	299
All Students	12	61	0.196721311	942
All Students	5	16	0.3125	228
All Students	5	16	0.3125	367
All Students	3	16	0.1875	164
All Students	2	16	0.125	82
All Students	1	16	0.0625	55
All Students	14	46	0.304347826	851
All Students	32	46	0.695652174	1919
All Students	31	40	0.775	1757
All Students	7	40	0.175	469
All Students	2	40	0.05	128
All Students	32	47	0.680851064	2233
All Students	11	47	0.234042553	474



All Students	4	47	0.085106383	94
All Students	25	41	0.609756098	1261
All Students	11	41	0.268292683	821
All Students	5	41	0.12195122	266
All Students	25	47	0.531914894	1880
All Students	19	47	0.404255319	653
All Students	3	47	0.063829787	262
All Students	8	66	0.121212121	125
All Students	12	66	0.181818182	389
All Students	2	66	0.03030303	190
All Students	2	66	0.03030303	116
All Students	10	66	0.151515152	1331
All Students	0	66	0	2
All Students	1	66	0.015151515	56
All Students	0	66	0	7
All Students	3	66	0.045454545	179
All Students	1	66	0.015151515	45
All Students	25	66	0.378787879	976
All Students	2	66	0.03030303	147
All Students	0	44	0	41
All Students	1	44	0.022727273	185
All Students	0	44	0	83
All Students	3	44	0.068181818	90
All Students	3	44	0.068181818	101
All Students	4	44	0.090909091	262
All Students	2	44	0.045454545	92
All Students	4	44	0.090909091	351
All Students	0	44	0	35
All Students	3	44	0.068181818	60
All Students	1	44	0.022727273	91
All Students	0	44	0	4
All Students	3	44	0.068181818	185
All Students	2	44	0.045454545	368
All Students	1	44	0.022727273	31
All Students	2	44	0.045454545	190
All Students	1	44	0.022727273	93
All Students	0	44	0	33
All Students	1	44	0.022727273	12
All Students	13	44	0.295454545	357
All Students	41	63	0.650793651	2367
All Students	22	63	0.349206349	1164
All Students	29		18.7446875	
All Students	29		22.43842105	

State Denominator	State Rate
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16506

11505

5001

16506

11505

5001

3626 0.146442361

3626 0.300055157

3626 0.373138445

3626 0.05984556

3626 0.063430778

3626 0.0570877

4062 0.525603151

4062 0.387001477

4062 0.055145249

4062 0.017971443

4062 0.01427868

3430 0.47755102

3430 0.48425656

3430 0.141399417

3430 0.268221574

3430 0.109329446

3430 0.110495627

3430 0

3430 0.090670554

3430 0.127988338

3430 0

3430 0

3430 0

3430 0.336443149

3430 0

3430 0.082507289

3430 0.10058309

844 0.735781991

844 0.264218009

3602 0.059411438

3602	0.207107163
3602	0.733481399
3587	0.86925007
3587	0.049344856
3587	0.081405074
3573	0.55779457
3573	0.347327176
3573	0.094878254
1561	0.088404869
1561	0.893657912
1561	0.01793722
767	0.809647979
767	0.190352021
16506	0.554646795
16506	0.436386768
16506	0.11335272
16506	0.060159942
16506	0.402762632
16506	0.004119714
16506	0.004240882
16506	0.036289834
16506	0.331273476
16506	0.0478008
16496	0.044798739
16496	0.438712415
16496	0.223872454
16496	0.111299709
16496	0.061166343
16496	0.0721387
16496	0.048011639
16506	0.053313946
16506	0.946686054
16506	0.030837271
16506	0.968678056
5096	0.48744113
5096	0.384615385
5096	0.127943485
9155	0.282359366
7203	0.329584895
1871	0.324959914
993	0.290030211
6648	0.311522262
68	0.294117647
70	0.3
599	0.293823038
5468	0.304498903
789	0.192648923

739	0.296346414
7237	0.299571646
3693	0.266991606
1836	0.287037037
1009	0.303270565
1190	0.361344538
792	0.460858586
880	0.377272727
15626	0.298796877
509	0.351669941
15989	0.301394709
3337	0.068025172
3337	0.078213965
3337	0.168414744
3337	0.035361103
3337	0.312256518
3337	0.337728499
3520	0.067613636
3520	0.624715909
3520	0.105965909
3520	0.011647727
3520	0.010227273
3520	0.102272727
3520	0.077556818
2752	0.158793605
2752	0.171148256
2752	0.270712209
2752	0.142805233
2752	0.256540698
610	0.504918033
3488	0.261754587
3488	0.072821101
3488	0.309633028
3488	0.085722477
3488	0.270068807
896	0.254464286
896	0.409598214
896	0.183035714
896	0.091517857
896	0.061383929
2770	0.307220217
2770	0.692779783
2354	0.746389125
2354	0.199235344
2354	0.054375531
2801	0.79721528
2801	0.169225277

2801	0.033559443
2348	0.537052811
2348	0.349659284
2348	0.113287905
2795	0.672629696
2795	0.233631485
2795	0.093738819
3583	0.034886966
3583	0.108568239
3583	0.053028189
3583	0.032375105
3583	0.371476416
3583	0.000558191
3583	0.015629361
3583	0.00195367
3583	0.049958136
3583	0.012559308
3583	0.272397432
3583	0.041027072
2664	0.01539039
2664	0.069444444
2664	0.031156156
2664	0.033783784
2664	0.037912913
2664	0.098348348
2664	0.034534535
2664	0.131756757
2664	0.013138138
2664	0.022522523
2664	0.034159159
2664	0.001501502
2664	0.069444444
2664	0.138138138
2664	0.011636637
2664	0.071321321
2664	0.03490991
2664	0.012387387
2664	0.004504505
2664	0.134009009
3531	0.670348343
3531	0.329651657