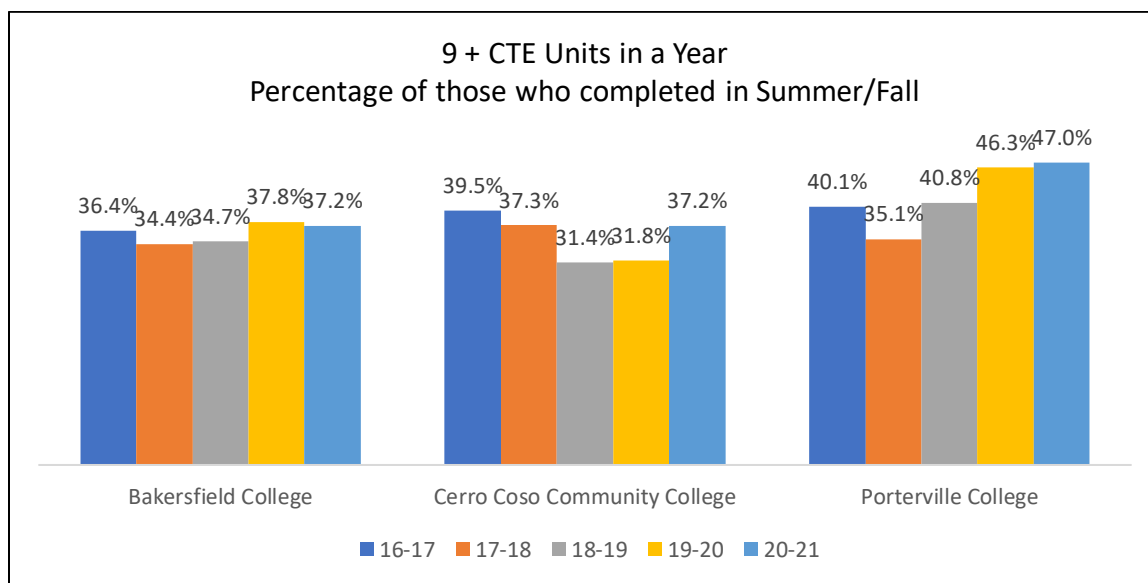


**9+ CTE Units methodology:** Headcount of students who successfully completed the equivalent of nine or more CTE units with grades equivalent to C or better in the reporting year.

- Currently, we are measuring CTE units earned at a particular college.
- CTE units defined:
  - Course SAM Code is A, B, or C
    - A – Apprenticeship
    - B—Advanced Occupational
    - C—Clearly Occupational
  - OR Course Taxonomy of Program (TOP) Code is identified as vocational/CTE.

**Of those students who were successful in meeting 9+ CTE units in the year, what percentage of those students met their unit requirement in the first half of the year?**

		16-17	17-18	18-19	19-20	20-21
<b>Bakersfield College</b>	n	3,342	3,473	3,760	3,892	3,747
	count	1,217	1,193	1,306	1,472	1,393
<b>Cerro Coso Community College</b>	n	511	652	865	789	750
	count	202	243	272	251	279
<b>Porterville College</b>	n	548	581	635	616	457
	count	220	204	259	285	215

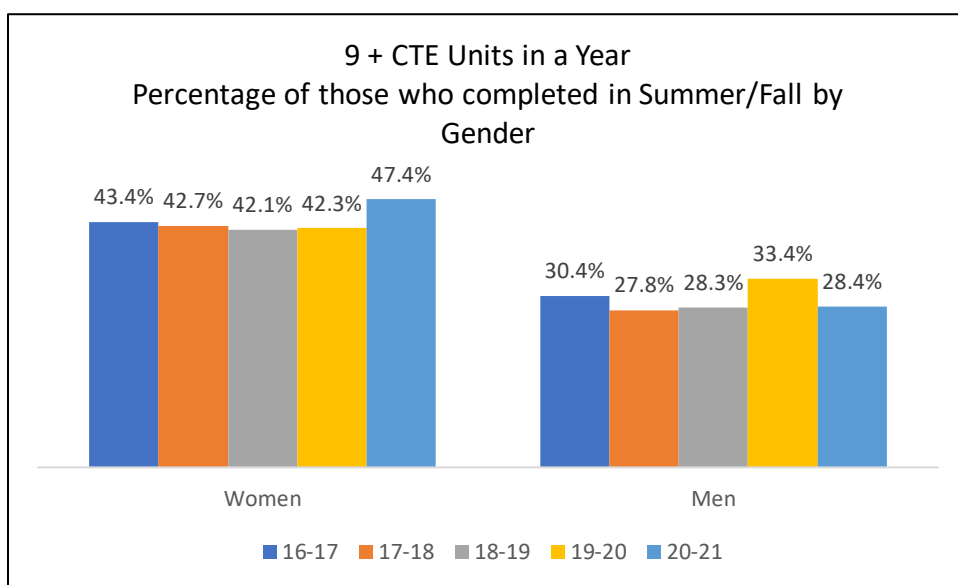


- Bakersfield College and **Cerro Coso Community College** show students meet the 9+ CTE units in the **Summer/Fall terms** hovers in the **30% to just under 40% range for the last five years**.
- Porterville College has been steadily increasing the percentage of students who take 9+ CTE units in the first half of the year. In academic year 20-21, close to 50% of students who took 9+ CTE units in the year achieved this goal in the first half of the year.
  - These numbers have smaller n’s and are more sensitive to show larger variations.

Students who successfully met 9+ CTE units in the year/ percentage of those students met their unit requirement in the first half of the year:

**BY GENDER**

		16-17	17-18	18-19	19-20	20-21
<b>Women</b>	n	2,218	2,242	2,517	2,627	2,465
	count	962	957	1,059	1,111	1,168
<b>Men</b>	n	2,143	2,429	2,694	2,612	2,420
	count	651	676	762	873	688
<b>Unknown</b>	n	40	36	49	58	69
	count	26	8	16	24	31

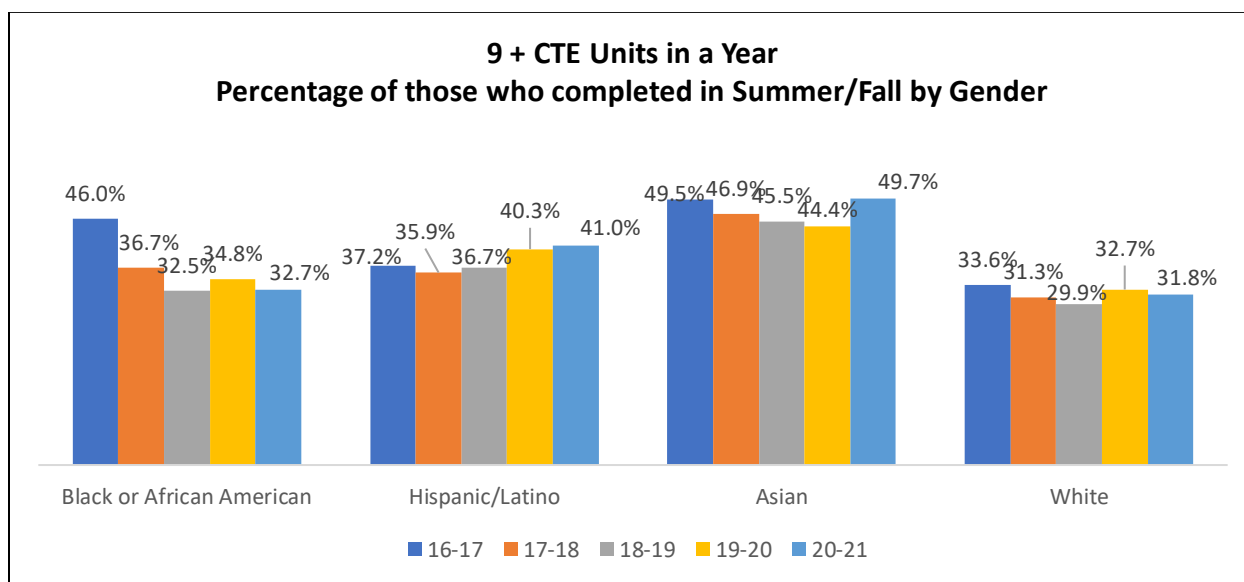


For the District and for students who completed 9+ CTE units in the first half of the year, women have consistently higher rates than men.

Students who successfully met 9+ CTE units in the year/ percentage of those students met their unit requirement in the first half of the year:

## BY ETHNICITY

		16-17	17-18	18-19	19-20	20-21
<b>Black or African American</b>	n	113	147	169	141	156
	count	52	54	55	49	51
<b>Hispanic/Latino</b>	n	2,496	2,554	2,989	3,198	2,866
	count	929	917	1,098	1,288	1,175
<b>Asian</b>	n	188	192	222	216	197
	count	93	90	101	96	98
<b>White</b>	n	1,411	1,552	1,611	1,515	1,493
	count	474	486	482	496	475



- For the District, Asian students had the highest percentages of completing the 9+ CTE units in the first half of the year compared to other groups.
- Hispanic/Latino students hover around the 30% to 40% range of those who completed 9 + CTE units in the year, they achieved this metric in the first half of the year.
- White students consistently had the lowest rates of completing the 9+ CTE units in the first half of the year.

Students who successfully met 9+ CTE units in the year/ percentage of those students met their unit requirement in the first half of the year:

### BY PARENTS' EDUCATION

	16-17	17-18	18-19	19-20	20-21
<b>Bachelors or Higher</b>	37.8%	39.0%	37.1%	41.0%	37.4%
<b>Associates Degree</b>	44.6%	34.3%	38.3%	41.9%	39.0%
<b>Some College</b>	39.6%	39.1%	38.4%	43.3%	41.5%
<b>High School Graduate</b>	40.6%	36.8%	38.0%	39.0%	42.0%
<b>Did not graduate from High School</b>	38.0%	39.3%	38.0%	41.4%	45.9%
<b>Unknown/Unreported</b>	26.1%	19.8%	20.1%	22.7%	18.5%

- The percentages of those students (whose parents did not graduate from high school) who completed 9 + CTE units in the first half of the year have been trending upward for the past 5 years (from 38% in 16-17 to 45.9% in 20-21).

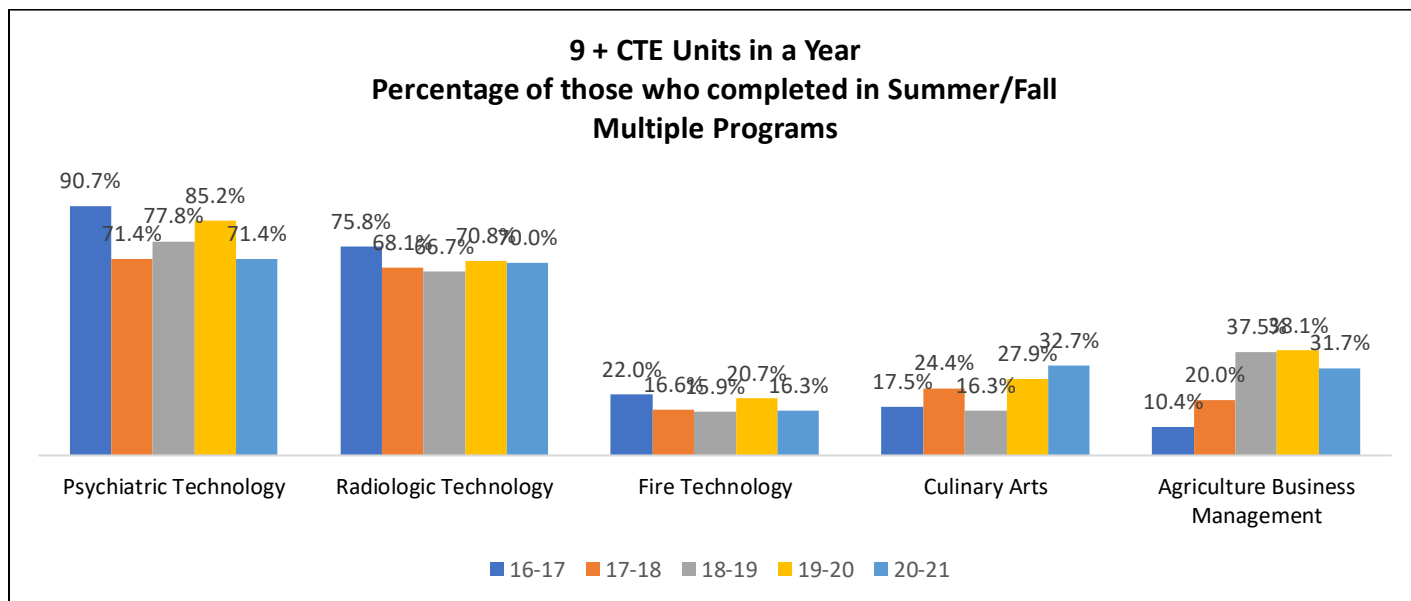
### BY 2-DIGIT TOP CODE

2-digit TOP Code and Title	2021
13 – Family and Consumer Sciences	44.3%
01—Agriculture and Natural Resources	42.5%
19—Physical Sciences	41.5%
07—Information Technology	41.0%
04—Biological Sciences	40.9%
05—Business Management	38.1%
09—Engineering and Industrial Technologies	38.1%
08—Education	37.8%

- These are the 2-digit TOP Codes with the highest percentage of students who completed 9+ CTE units in the first half of the year.
- This data table includes those with at least 100 students represented.

Students who successfully met 9+ CTE units in the year/ percentage of those students met their unit requirement in the first half of the year:

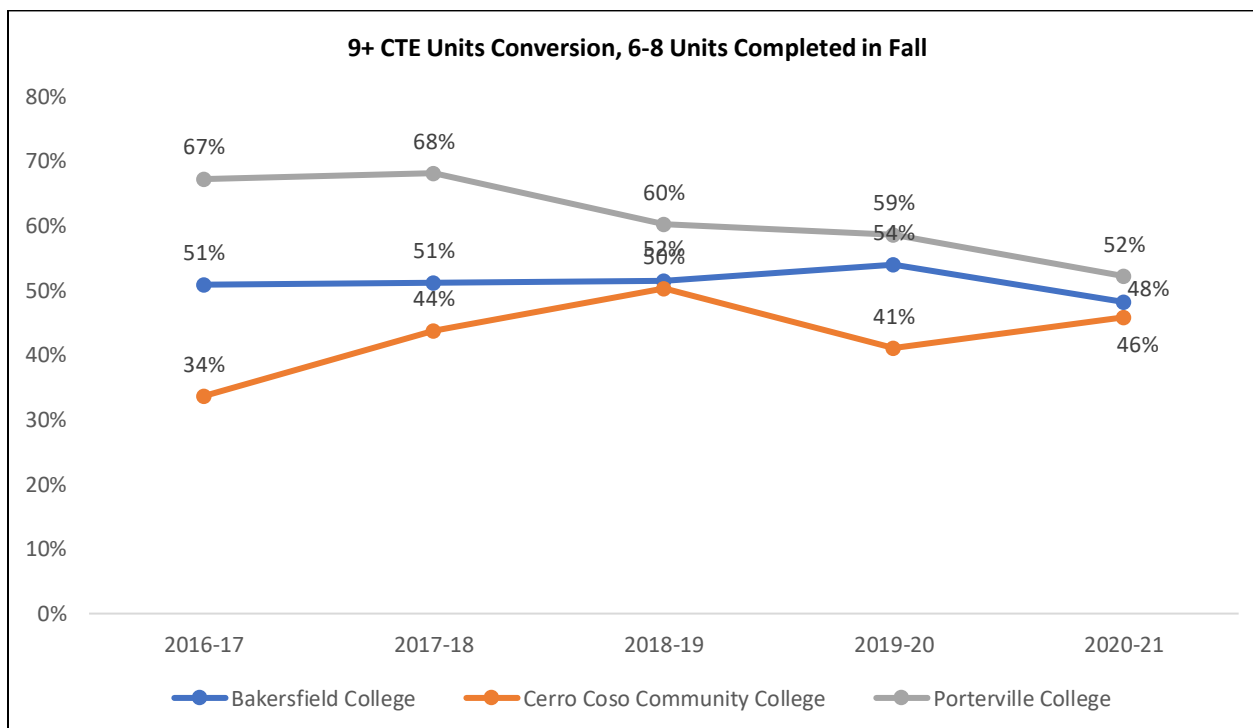
## BY MULTIPLE PROGRAMS



- The purpose is to show that some programs are structured in a way that they are more likely to meet the 9 + CTE in the first half of the year
- This is not a quality difference but a substantive difference.

Did students who came close to completing 9+ CTE units in the first half of the year get to the 9+ CTE unit threshold?

	2016-17		2017-18		2018-19		2019-20		2020-21	
	n	count	n	count	n	count	n	count	n	count
<b>Bakersfield College</b>	1693	862	1,664	851	1,673	862	1,881	1,015	1,824	879
<b>Cerro Coso Community College</b>	422	142	464	203	521	262	497	204	494	226
<b>Porterville College</b>	241	162	276	188	309	186	304	178	205	107

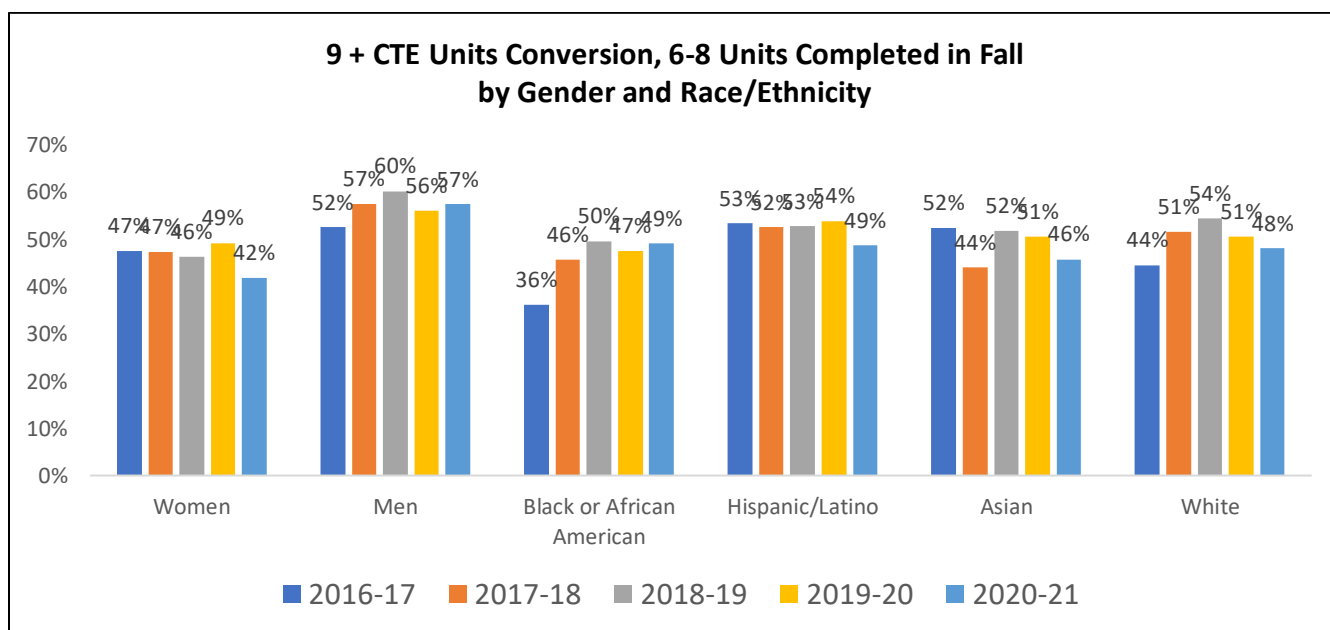


- Porterville College shows that those over half of all students who were considered “close” in the first half of the year did reach their 9+ CTE units in in the year.
  - This trend has been decreasing over the past five years
    - 67% in 2016-17
    - 52% in 2020-21
- Bakersfield College shows that students have hovered around the 50% for the last five years, with the lowest rate in 2020-21 at 48%.
- Cerro Coso Community College had the lowest rates across the last five years hovering in the 40% range.
  - There was an increase from 2019-20 (41%) to 2020-21 (46%).

Did students who came close to completing 9+ CTE units in the first half of the year get to the 9+ CTE unit threshold?

## BY GENDER AND RACE/ETHNICITY

	2016-17		2017-18		2018-19		2019-20		2020-21	
	n	count	n	count	n	count	n	count	n	count
<b>Women</b>	1,349	640	1,335	630	1,400	646	1,506	739	1,497	625
<b>Men</b>	992	520	1050	603	1078	648	1138	637	991	568
<b>Black or African American</b>	86	31	90	41	113	56	97	46	100	49
<b>Hispanic/Latino</b>	1,456	776	1,448	759	1,526	803	1,752	943	1,606	780
<b>Asian</b>	86	45	107	47	120	62	99	50	105	48
<b>White</b>	652	290	647	333	606	329	594	300	596	286

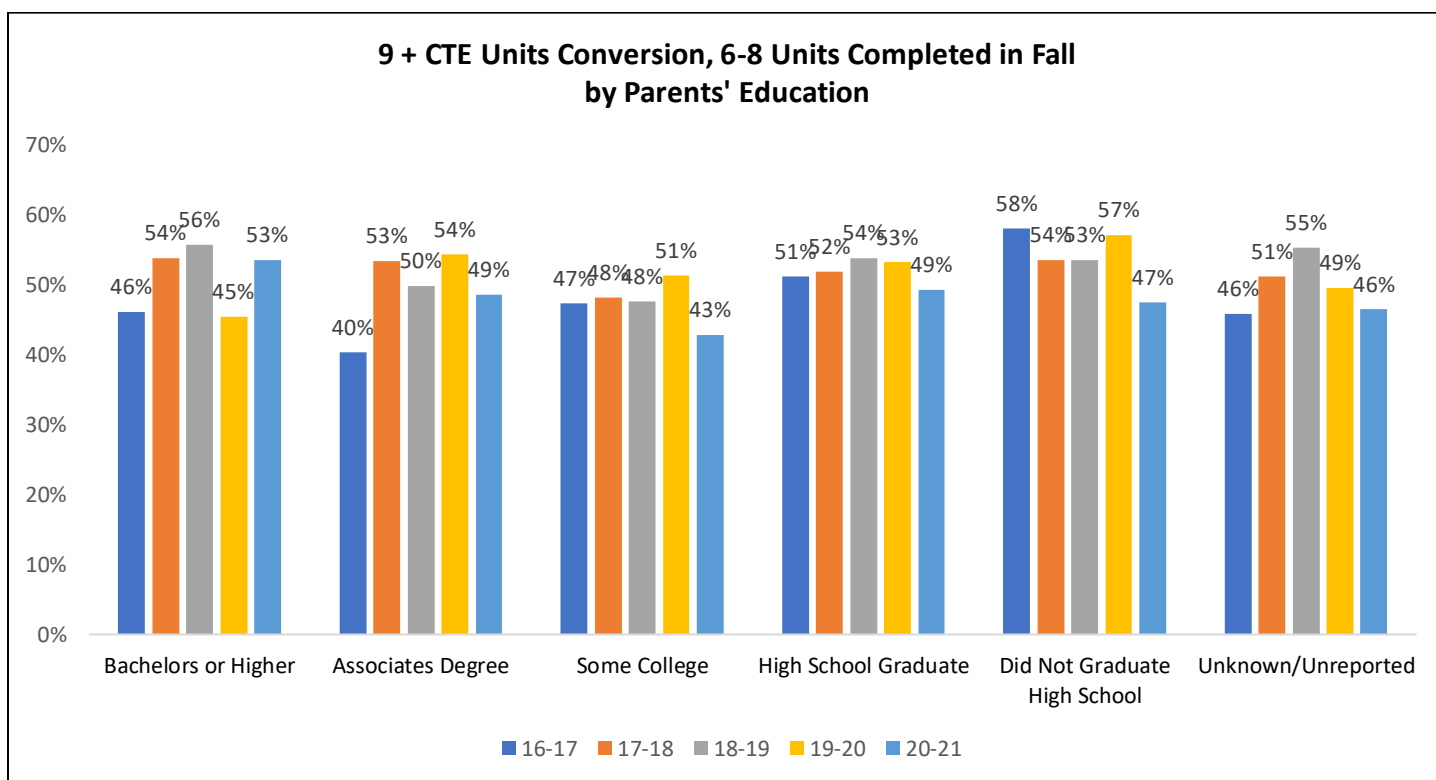


- A little less than half of women who were close to reaching 9+ CTE units in the first half of the year achieved this metric by the end of the academic year. For 2020-21, this was the lowest rate for women in the last five years (at 42%).
- Over 50% of men who were close to meeting 9 +CTE units in the first half of the year achieved the metric of 9 + CTE units by the end of the year.
- Black or African American students have been trending up in the last five years and is hovering around 50% mark.
- Hispanic/Latino students remains steady at around 50% over the last five years.
- Asian students show some more variability between the 40% and 50% ranges.
- When we break out by ethnicity, please note that lower n’s in some categories results in sensitivity to variance.

Did students who came close to completing 9+ CTE units in the first half of the year get to the 9+ CTE unit threshold?

## BY PARENTS' EDUCATION

	2016-17		2017-18		2018-19		2019-20		2020-21	
	n	count	n	count	n	count	n	count	n	count
<b>Bachelors or Higher</b>	384	177	374	201	410	228	421	191	430	230
<b>Associates Degree</b>	184	74	223	119	231	115	212	115	204	99
<b>Some College</b>	400	189	393	189	385	183	404	207	393	168
<b>High School Graduate</b>	450	230	500	259	506	272	593	315	571	281
<b>Did Not Graduate High School</b>	644	373	600	321	668	357	726	414	640	303
<b>Unknown/Unreported</b>	347	159	366	187	346	191	358	177	319	148

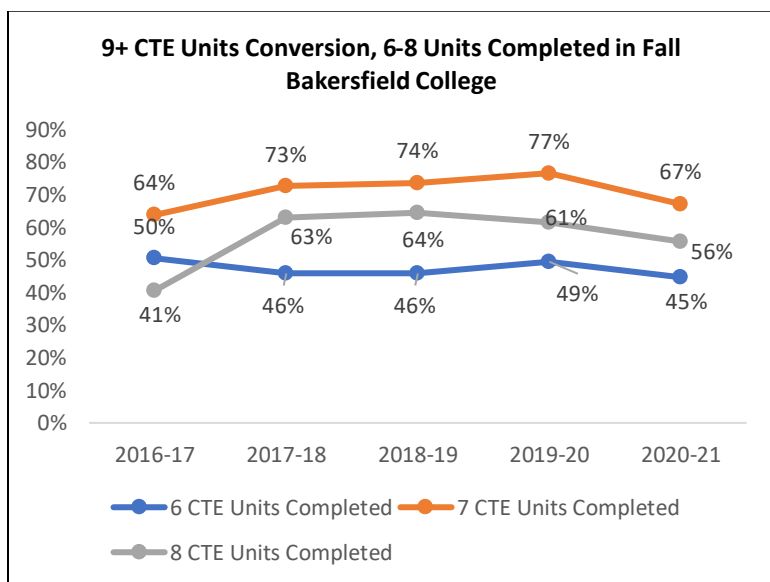


- It is harder to discern any patterns. The most recent year 2020-21, about half of students who were close in the Fall did end up meeting this goal.
- **Key takeaway: About 50% of students who we could try to get them to 9 + CTE units in the year**



## “Close” students conversion rates, by Units Completed – Bakersfield College

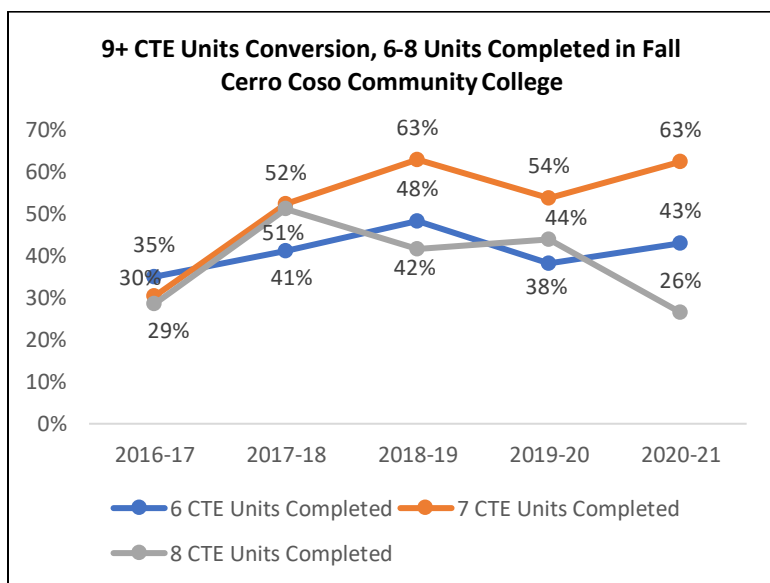
Bakersfield College	2016-17		2017-18		2018-19		2019-20		2020-21	
	n	count	n	count	n	count	n	count	n	count
6 CTE Units Completed	1,245	628	1,245	570	1,260	577	1,454	718	1,448	646
7 CTE Units Completed	226	144	182	132	208	153	230	176	207	139
8 CTE Units Completed	222	90	237	149	205	132	197	121	169	94



- The “Close” category can further be broken out by those who had 6 CTE units, 7 CTE units or 8 CTE units in the first half of the year.
- 7 CTE Units had highest conversion rates
  - NOTE: For some of the certificates, the unit requirement is 8 units. This might be one of the reasons why we see this trend
- The highest conversion rates (and consistent over the past five years) for Bakersfield College (BC) students who ended up meeting the 9 CTE unit threshold in the year were for those students who had 7 CTE units in the first half of the year.
- The second highest conversion rates were for those BC students who had completed 8 CTE units in the first half of the year (with 56 % of those students achieving the 9 CTE unit metric in the year).
- The lowest conversion rate was for those BC students who had earned 6 CTE units in the first half of the year. For 2020-21, 45% of these students met the 9 CTE unit metric by the year.

## “Close” students conversion rates, by Units Completed – Cerro Coso Community College

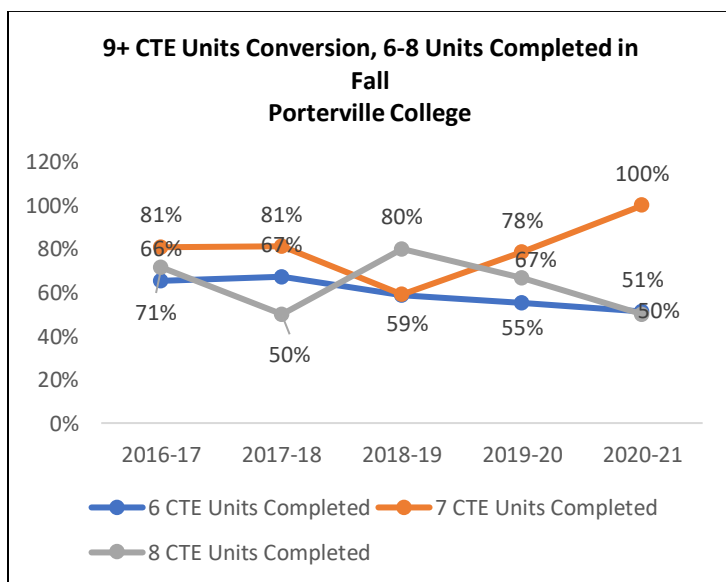
Cerro Coso Community College	2016-17		2017-18		2018-19		2019-20		2020-21	
	n	count	n	count	n	count	n	count	n	count
6 CTE Units Completed	311	109	356	147	416	201	394	151	364	157
7 CTE Units Completed	69	21	65	34	81	51	78	42	96	60
8 CTE Units Completed	42	12	43	22	24	10	25	11	34	9



- For Cerro Coso Community College, we also see a similar trend as BC where students who completed 7 CTE units in the first half of the year had higher conversion rates compared to the 6 CTE units or 8 CTE unit completed groups.
  - For 2020-21, 63% of 7 CTE Units Completed students achieved the 9 CTE units metric in the year.
    - 8 CTE Units completed: 43% of students achieved this metric.
    - 6 CTE Units completed: Only 26% of students achieved this metric.

## “Close” students conversion rates, by Units Completed – Porterville College

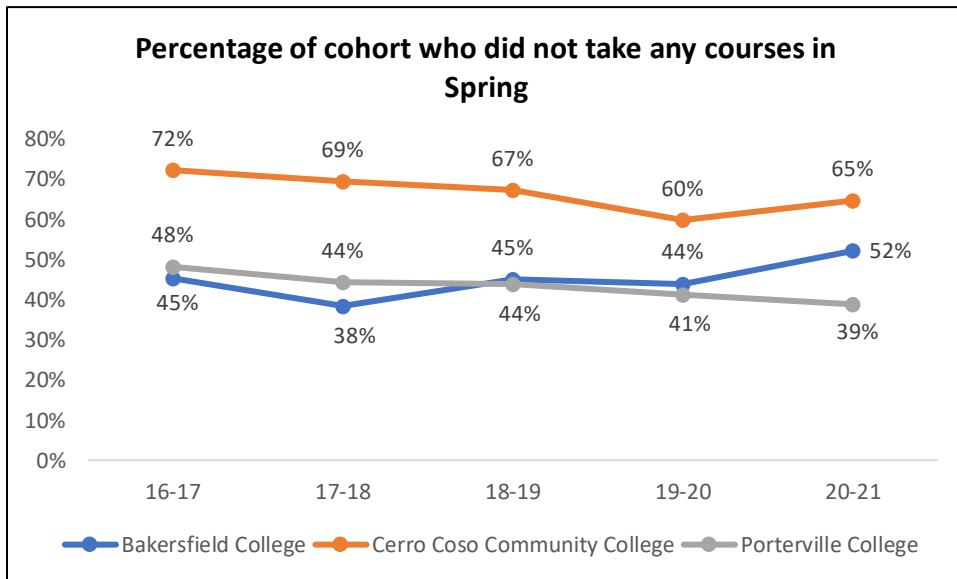
Porterville College	2016-17		2017-18		2018-19		2019-20		2020-21	
	n	count	n	count	n	count	n	count	n	count
6 CTE Units Completed	206	135	232	156	267	157	252	139	197	101
7 CTE Units Completed	21	17	32	26	22	13	37	29	4	4
8 CTE Units Completed	14	10	12	6	20	16	15	10	4	2



- For Cerro Coso Community College and Porterville College, these both have smaller n’s and are more sensitive to variance. For instance, the Porterville College 7 CTE Units Completed students had the highest conversion rates over the past five years (with 2020-21 showing 100% completed 9 CTE units in the year).
- The 6 CTE and 8 CTE units completed students were more similar with approximately 50% completing the 9 CTE unit metric in the year.

## Course-taking pattern of “Close” students in Spring Semester

College	Student with Spring Courses	Student with Spring Courses					Percentage				
		16-17	17-18	18-19	19-20	20-21	2016-17	2017-18	2018-19	2019-20	2020-21
Bakersfield College	0 Courses	376	312	364	380	492	45%	38%	45%	44%	52%
	1 Course	91	134	78	82	96	11%	16%	10%	9%	10%
	2 Courses	99	95	91	93	99	12%	12%	11%	11%	10%
	3 Courses	107	88	77	99	89	13%	11%	9%	11%	9%
	4 or More Courses	158	184	201	212	169	19%	23%	25%	24%	18%
Cerro Coso Community Col	0 Courses	202	181	174	175	173	72%	69%	67%	60%	65%
	1 Course	19	21	21	37	20	7%	8%	8%	13%	7%
	2 Courses	24	14	23	28	27	9%	5%	9%	10%	10%
	3 Courses	13	16	14	24	23	5%	6%	5%	8%	9%
	4 or More Courses	22	29	27	29	25	8%	11%	10%	10%	9%
Porterville College	0 Courses	38	39	54	52	38	48%	44%	44%	41%	39%
	1 Course	7	13	14	10	10	9%	15%	11%	8%	10%
	2 Courses	9	8	16	7	10	11%	9%	13%	6%	10%
	3 Courses	10	9	14	14	19	13%	10%	11%	11%	19%
	4 or More Courses	15	19	25	43	21	19%	22%	20%	34%	21%
Grand Total		1,190	1,162	1,193	1,285	1,311	100%	100%	100%	100%	100%



- Majority of students in this cohort did not take any course in Spring.
- These are all students who will not reach this threshold.
- Cerro Coso Community College has the highest with over 60% of students not taking any courses