

COLORADO
NORTHWESTERN
COMMUNITY COLLEGE:
STRATEGIC PLAN
METRICS

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5. COLORADO NORTHWESTERN COMMUNITY COLLEGE

COLORADO NORTHWESTERN COMMUNITY COLLEGE: STRATEGIC PLAN AY 18-19¹ SNAPSHOT

Table 5.1: CNCC AY 18-19 Leading Indicators

33.2% of students completed a gateway English course in their 1st year; **82.7%** of students taking a gateway English course successfully completed

19.8% of students completed a gateway Math course in their 1st year; **72.7%** of students taking a gateway math course successfully completed

Students earned an average of **10.3** credits in their first year

On average, students decreased their accumulated credits from the 1st to 2nd semester by **.41** credits

82.9% of courses attempted were successfully completed

8.9% of students enrolled at Fall census did not earn any credits for the term

0.1% of students completed a student success course; **50.0%** of students taking a student success course successfully completed

2.5% of students experienced a precipitous decline in GPA from the 1st to 2nd semester

Table 5.2: CNCC AY 18-19 Student Success Metrics

KPM	Goal	Actual
1.1 – Increase the number of certificates & degrees awarded	1% annually	-25.6%
1.2 – Exceed the national full-time fall-to-fall retention rate	62.3% national	52.0%
1.2 - Exceed the national part-time fall-to-fall retention rate	46.5% national	38.6%
1.2 – Exceed the national full-time fall-to-spring retention rate	Unknown	81.1%
1.2 – Exceed the national part-time fall-to-spring retention rate	Unknown	52.4%
1.7 – Increase online, hybrid, and interactive video course success rates to match on-campus course success rates	84.8% on-campus	72.4%
3.2 – Increase percentage of successful transfers to 4-year institutions for all students	2% annually	-3.9%

¹ Not all data was available for AY 18-19. For the snapshot, in cases where AY 18-19 data was unavailable, AY 17-18 data is used.



Table 5.3: CNCC AY 18-19 Equity Indicators

Indicator	Overall	Students of Color ²	First Generation	Pell Eligible
% of students completing a gateway English course in 1 st year	33.2%	51.6%	53.1%	59.4%
Successful course completion rate – Gateway English	82.7%	78.3%	80.3%	84.6%
% of students completing a gateway Math course in 1 st year	19.8%	35.5%	26.6%	31.3%
Successful course completion rate – Gateway Math	72.7%	66.7%	69.0%	60.0%
Average number of credits earned in first year	10.3	13.4	12.3	15.5
Average change in the number of credits taken from 1 st to 2 nd semester	-0.41	-0.92	0.26	0.56
Successful course completion rate – all courses	82.9%	76.0%	81.2%	77.7%
% of students enrolled at Fall census that did not earn any credits for the term	8.9%	13.7%	10.3%	13.2%
% of students completing a student success course	0.1%	0.4%	0.2%	0.3%
Successful course completion rate – student success course	50.0%	50.0%	50.0%	50.0%
% of students experiencing a precipitous decline in GPA from 1 st to 2 nd semester	2.5%	3.6%	2.6%	5.1%
# of students earning a certificate or degree	221	42	117	67
Fall-to-fall retention rate – full-time	53.0%	50.0%	49.3%	50.8%
Fall-to-fall retention rate – part-time	42.9%	36.4%	51.7%	37.5%
Fall-to-spring retention rate – full-time	81.1%	82.5%	77.3%	79.4%
Fall-to-spring retention rate – part-time	52.4%	54.5%	55.2%	50.0%
Successful course completion rate – distance & hybrid courses	72.4%	61.4%	71.1%	67.6%
% of successful transfers to 4-year institutions	21.5%	16.0%	18.2%	13.3%

Table 5.4: CNCC AY 18-19 Concurrent Enrollment Metrics

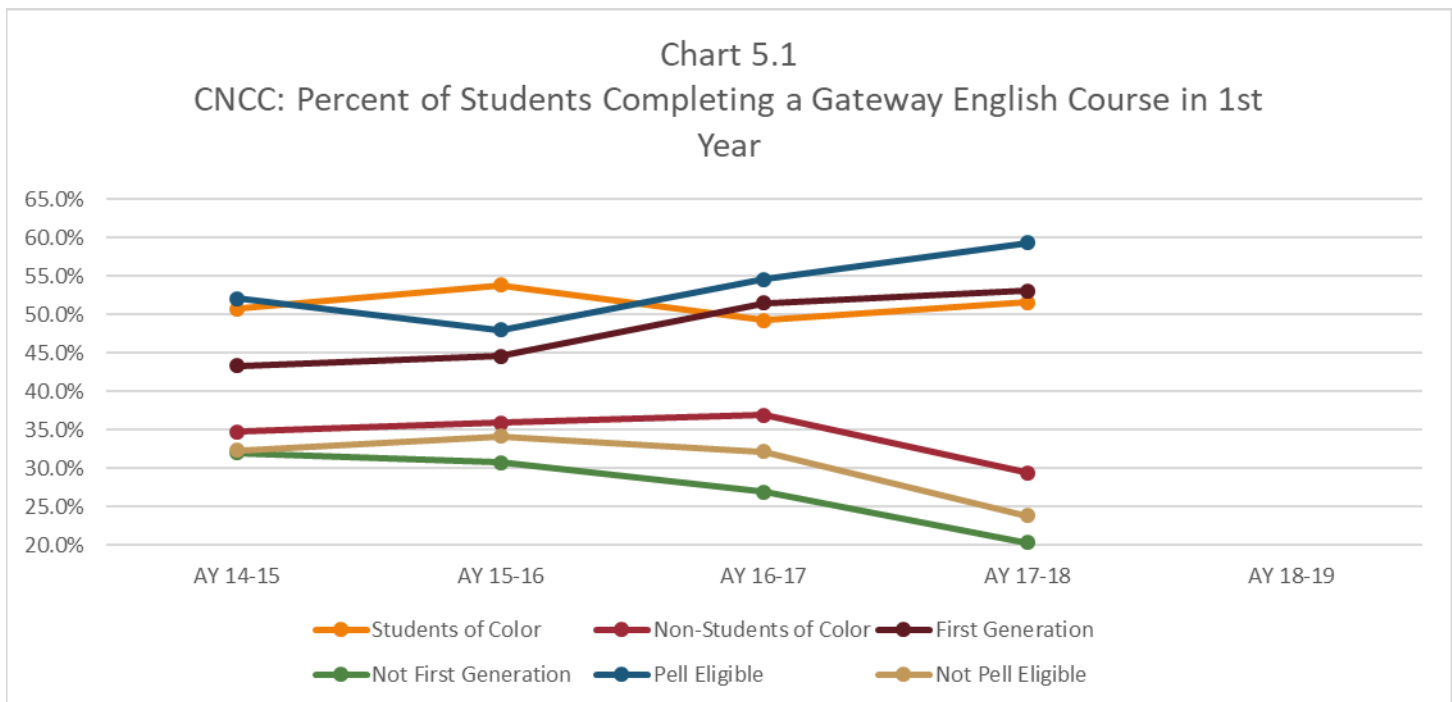
KPM	Goal	Actual
3.1 – Increase matriculation of concurrent enrollment students to a CCCS institution within 4 years of high school graduation	1% annually	-3.6%
3.1 – Increase CCCS college credentials awarded to concurrent enrollment students	1% annually	45.0%
3.1 – Increase successful credit completion through concurrent enrollment	1% annually	8.6%

² Students of color include those that reported as Asian, Black or African American, Hawaiian/Pacific Islander, Hispanic, More than One Race, or Native American/Alaskan Native.

COLORADO NORTHWESTERN COMMUNITY COLLEGE: LEADING INDICATORS

Table 5.5: CNCC Completion of Gateway English Courses in 1st Year

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19 ³	1-Year Change	4-Year Change
Race/Ethnicity:							
Students of Color	50.7%	53.8%	49.3%	51.6%		2.3%	0.9%
Non-Students of Color	34.7%	36.0%	37.0%	29.5%		-7.5%	-5.3%
First Generation Status:							
First Generation	43.4%	44.6%	51.5%	53.1%		1.6%	9.8%
Not First Generation	32.0%	30.8%	27.0%	20.4%		-6.6%	-11.7%
Pell Eligibility:							
Pell Eligible	52.1%	48.1%	54.6%	59.4%		4.7%	7.2%
Not Pell Eligible	32.3%	34.2%	32.2%	23.9%		-8.3%	-8.4%
CNCC Total	38.0%	39.1%	39.8%	33.2%		-6.6%	-4.8%



³ Fall AY 19-20 semester not complete - cannot yet calculate first year completions for AY 18-19.



Table 5.6: CNCC Successful Course Completion Rate for Gateway English Courses

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	94.1%	73.7%	50.0%	67.9%	78.3%	10.4%	-15.8%
Non-Students of Color	76.3%	77.8%	75.0%	83.3%	84.5%	1.2%	8.2%
First Generation Status:							
First Generation	82.4%	74.0%	63.5%	71.9%	80.3%	8.4%	-2.1%
Not First Generation	76.0%	82.6%	75.0%	89.2%	90.0%	0.8%	14.0%
Pell Eligibility:							
Pell Eligible	79.3%	60.0%	59.0%	69.0%	84.6%	15.6%	5.3%
Not Pell Eligible	80.9%	88.4%	75.7%	86.5%	81.8%	-4.7%	0.9%
CNCC Total	80.3%	76.7%	67.1%	78.7%	82.7%	4.0%	2.4%

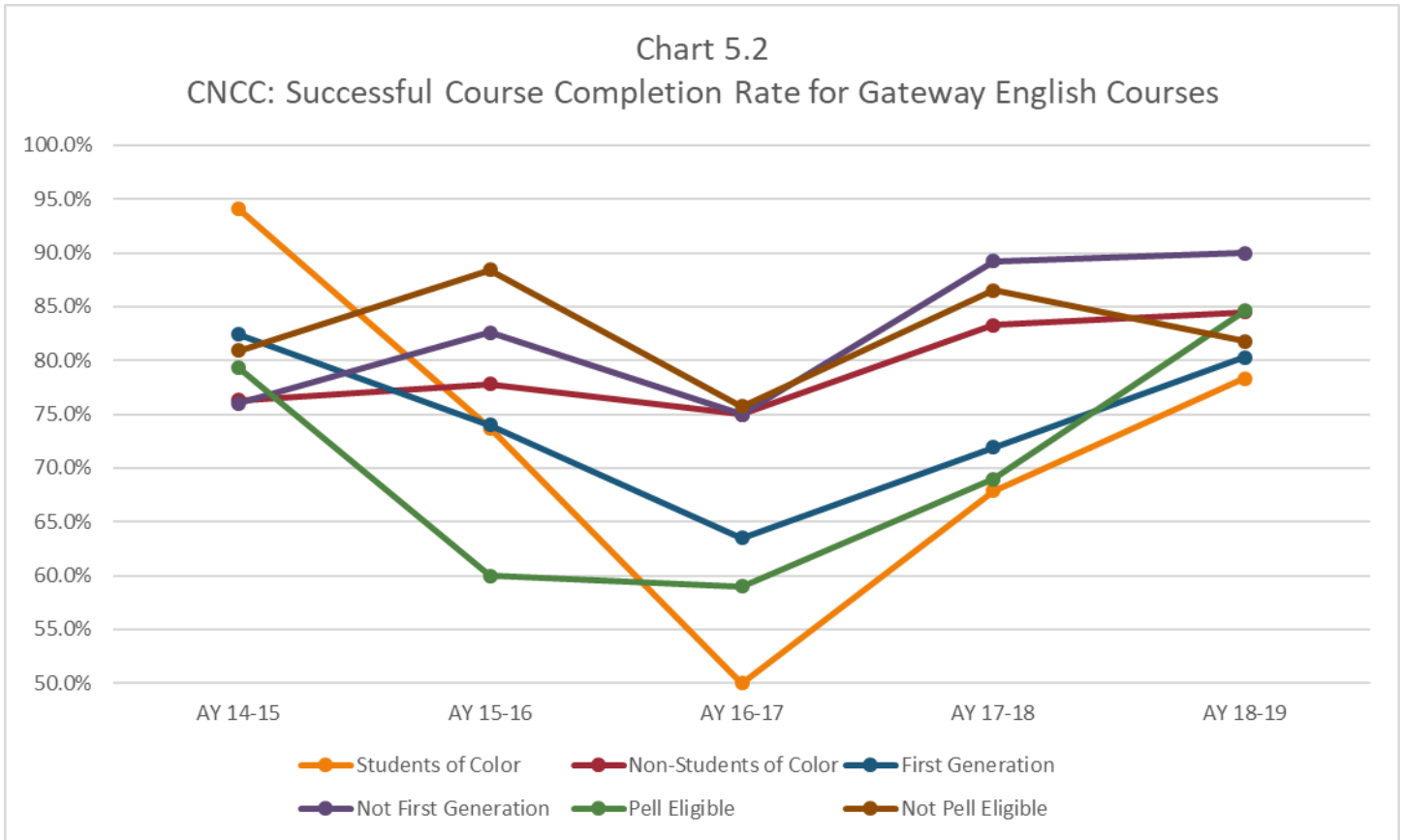
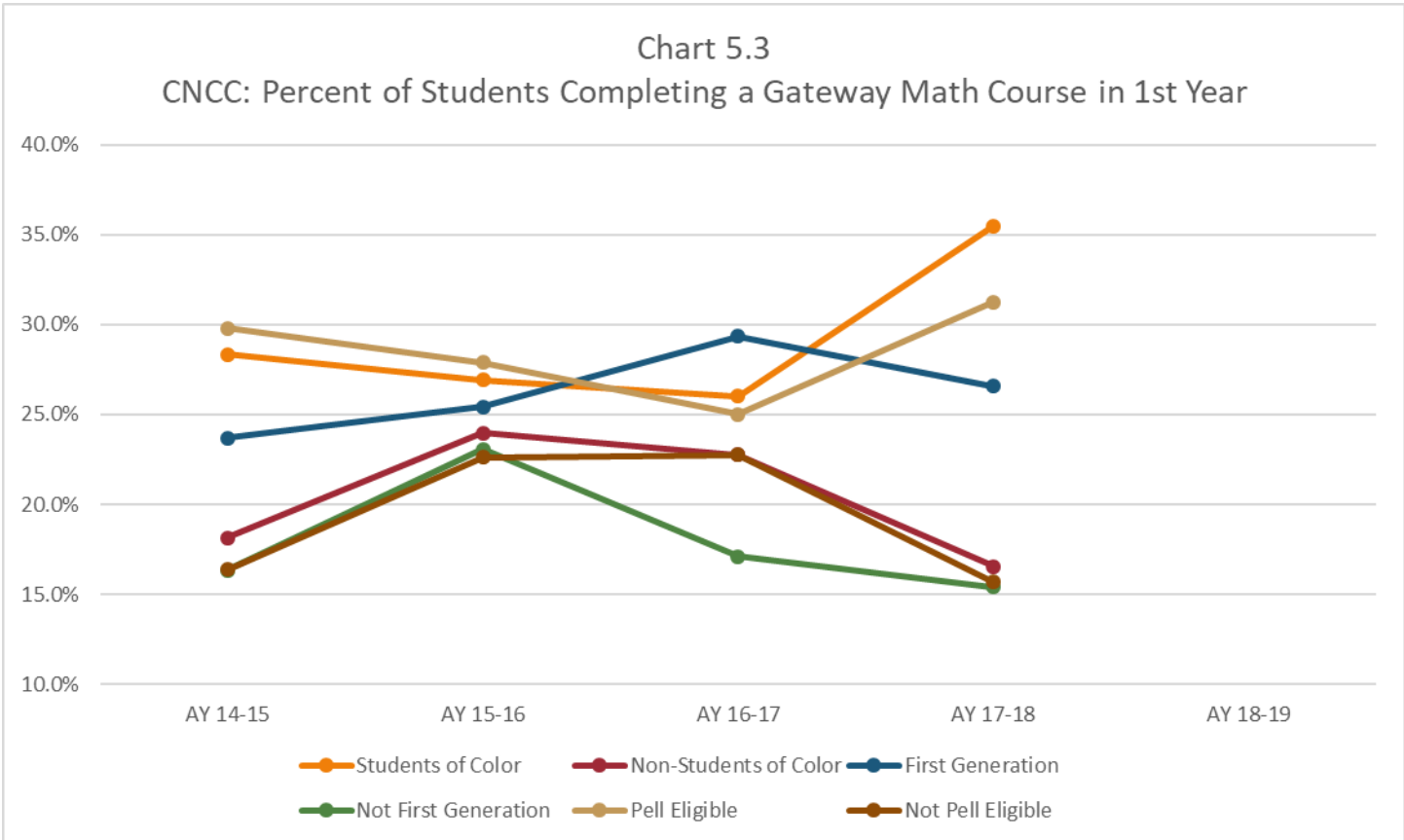




Table 5.7: CNCC Completion of Gateway Math Courses in 1st Year

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19 ⁴	1-Year Change	4-Year Change
Race/Ethnicity:							
Students of Color	28.4%	26.9%	26.0%	35.5%		9.5%	7.1%
Non-Students of Color	18.1%	24.0%	22.8%	16.6%		-6.2%	-1.6%
First Generation Status:							
First Generation	23.7%	25.4%	29.3%	26.6%		-2.8%	2.9%
Not First Generation	16.3%	23.1%	17.1%	15.4%		-1.7%	-1.0%
Pell Eligibility:							
Pell Eligible	29.8%	27.9%	25.0%	31.3%		6.3%	1.5%
Not Pell Eligible	16.4%	22.6%	22.7%	15.7%		-7.1%	-0.7%
CNCC Total	20.2%	24.5%	23.5%	19.8%		-3.7%	-0.5%



⁴ Fall AY 19-20 semester not complete - cannot yet calculate first year completions for AY 18-19.



Table 5.8: CNCC Successful Course Completion Rate for Gateway Math Courses

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	100.0%	71.4%	70.0%	70.0%	66.7%	-3.3%	-33.3%
Non-Students of Color	68.8%	82.1%	73.9%	84.4%	74.3%	-10.1%	5.5%
First Generation Status:							
First Generation	69.2%	85.0%	72.7%	77.3%	69.0%	-8.3%	-0.2%
Not First Generation	85.7%	73.3%	72.7%	85.0%	80.0%	-5.0%	-5.7%
Pell Eligibility:							
Pell Eligible	44.4%	70.0%	72.7%	73.3%	60.0%	-13.3%	15.6%
Not Pell Eligible	100.0%	84.0%	72.7%	85.2%	76.5%	-8.7%	-23.5%
CNCC Total	75.0%	80.0%	72.7%	81.0%	72.7%	-8.3%	-2.3%

Chart 5.4
CNCC: Successful Course Completion Rate for Gateway Math Courses

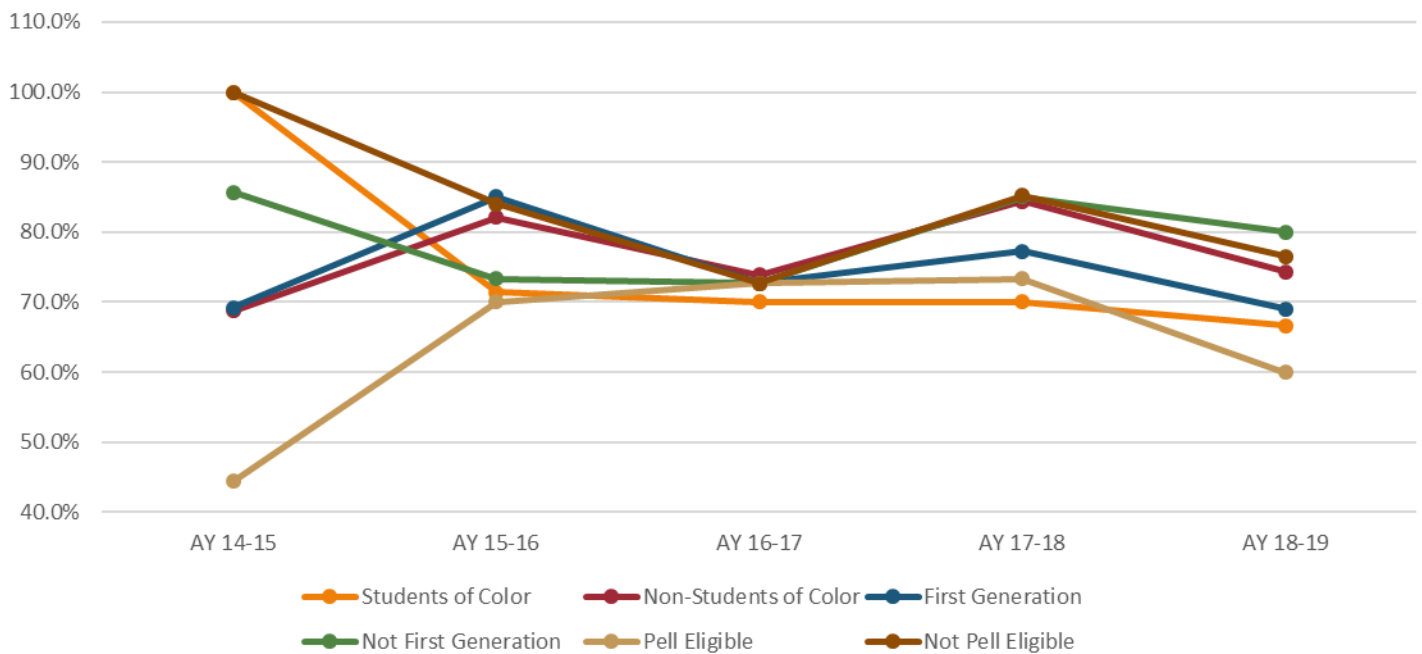
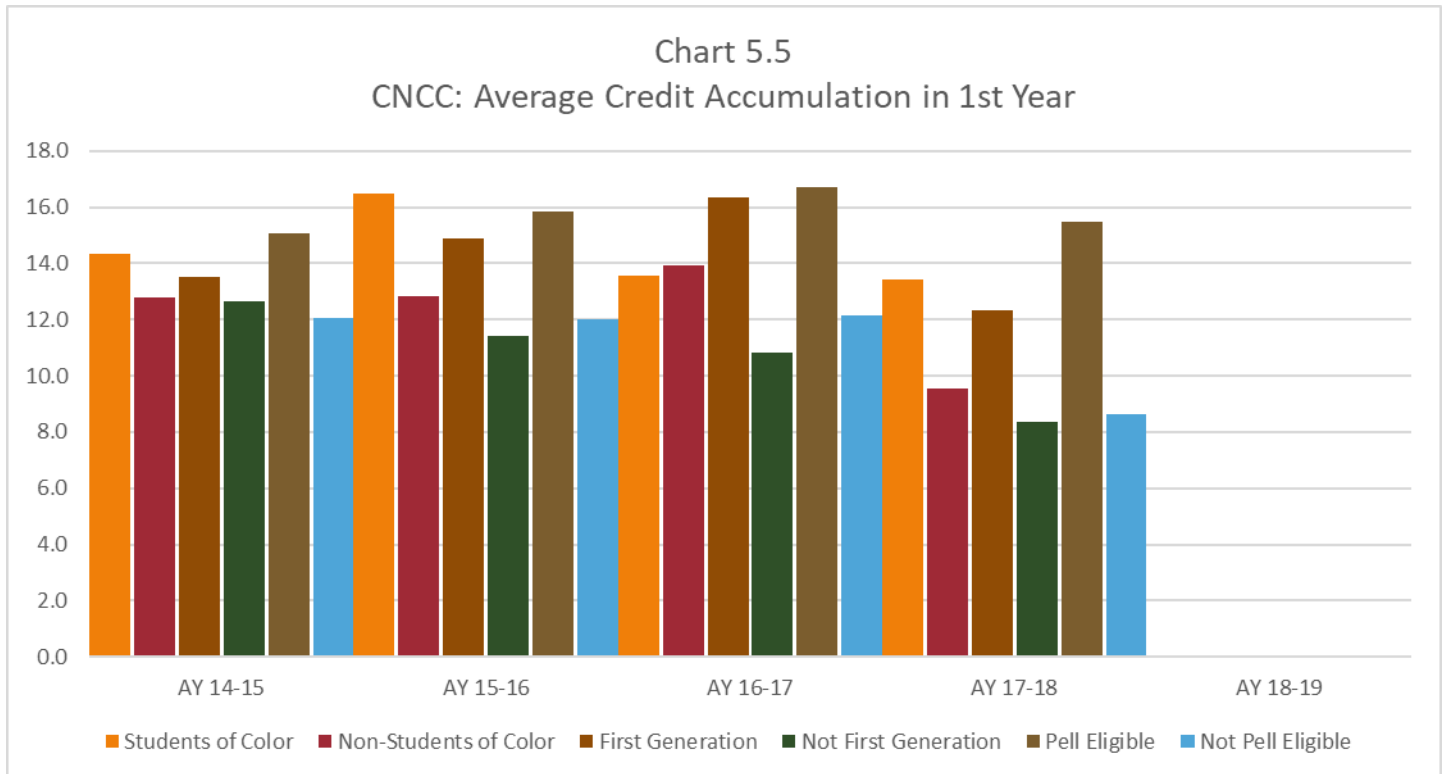




Table 5.9: CNCC Average Credit Accumulation in 1st Year

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19 ⁵	1-Year Change	4-Year Change
Race/Ethnicity:							
Students of Color	14.3	16.5	13.6	13.4		-0.9%	-6.3%
Non-Students of Color	12.8	12.9	13.9	9.5		-31.3%	-25.5%
First Generation Status:							
First Generation	13.5	14.9	16.4	12.3		-24.8%	-8.8%
Not First Generation	12.7	11.4	10.8	8.3		-22.9%	-34.0%
Pell Eligibility:							
Pell Eligible	15.1	15.9	16.7	15.5		-7.3%	2.7%
Not Pell Eligible	12.0	12.0	12.2	8.7		-28.8%	-28.2%
CNCC Total	13.1	13.5	13.8	10.3		-25.9%	-22.0%



⁵ Fall AY 19-20 semester not complete - cannot yet calculate first year completions for AY 18-19.



Table 5.10: CNCC Acceleration, Deceleration of Credits from 1st to 2nd Semester

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	-4.08	-0.70	-2.18	1.00	-0.92	-1.92	3.16
Non-Students of Color	-2.33	-2.08	-0.38	0.90	-0.18	-1.08	2.15
First Generation Status:							
First Generation	-2.10	-1.87	-1.10	0.11	0.26	0.15	2.36
Not First Generation	-3.86	-1.68	-0.36	2.20	-1.62	-3.83	2.23
Pell Eligibility:							
Pell Eligible	-2.96	-1.10	-0.82	0.36	0.56	0.20	3.52
Not Pell Eligible	-2.62	-2.17	-0.85	1.29	-0.88	-2.17	1.74
CNCC Total	-2.76	-1.80	-0.84	0.93	-0.41	-1.33	2.35

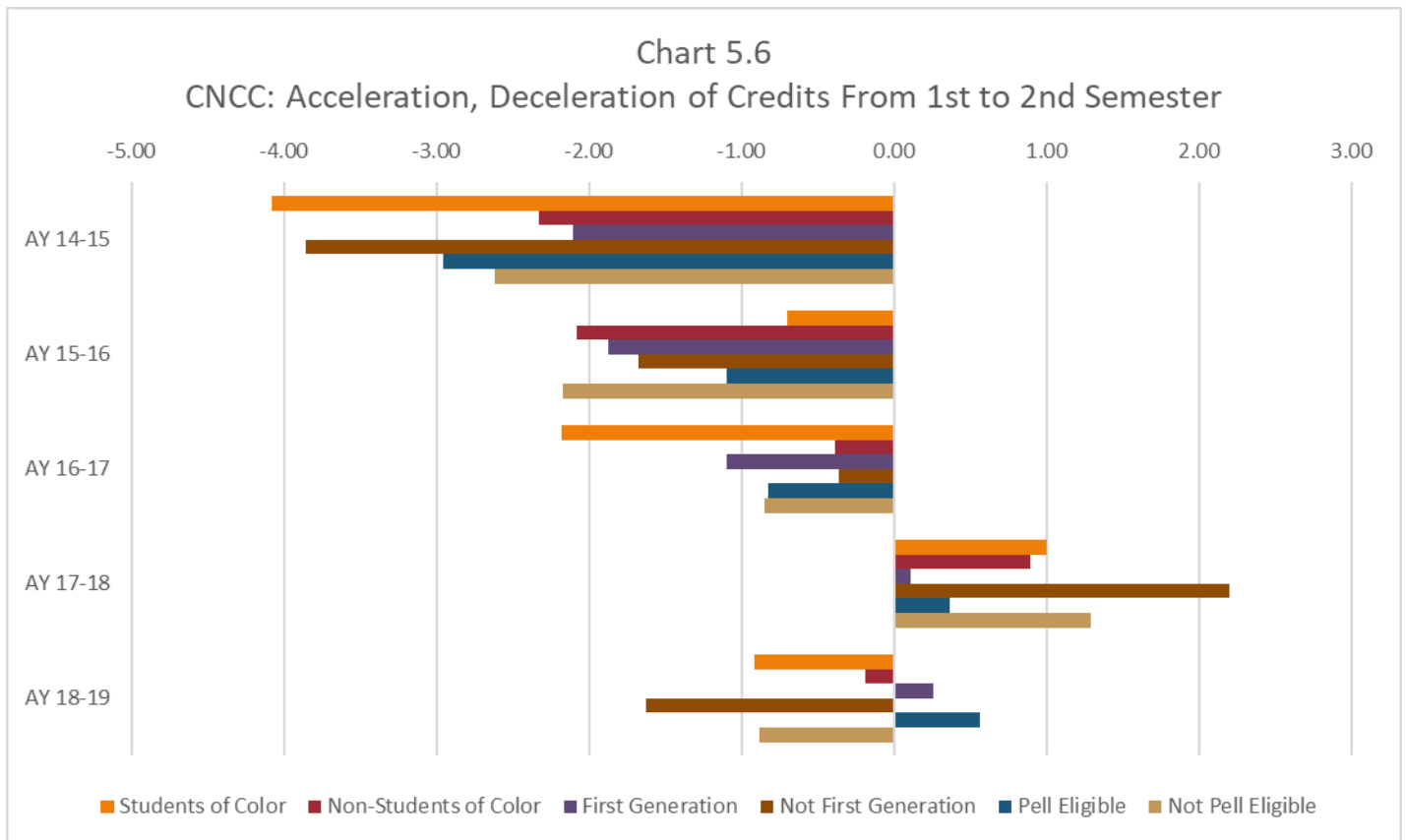




Table 5.11: CNCC Successful Course Completion Rate

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	81.2%	85.1%	78.5%	81.8%	76.0%	-5.8%	-5.2%
Non-Students of Color	86.0%	87.0%	87.1%	86.9%	85.0%	-2.0%	-1.1%
First Generation Status:							
First Generation	82.2%	84.8%	82.1%	84.3%	81.2%	-3.1%	-1.0%
Not First Generation	89.0%	89.4%	90.0%	87.8%	85.1%	-2.7%	-3.9%
Pell Eligibility:							
Pell Eligible	75.6%	80.1%	78.0%	78.7%	77.7%	-1.0%	2.1%
Not Pell Eligible	89.1%	89.3%	88.4%	88.6%	84.6%	-4.0%	-4.5%
Student Type:							
First-Time	80.1%	78.6%	75.0%	75.0%	79.8%	4.8%	-0.3%
Continuing/Readmit	83.1%	86.9%	86.4%	86.4%	83.6%	-2.8%	0.5%
Transfer	81.3%	84.2%	81.7%	81.7%	78.6%	-3.1%	-2.7%
Other	94.1%	93.6%	91.6%	91.6%	84.9%	-6.7%	-9.2%
CNCC Total	84.9%	86.6%	85.2%	85.8%	82.9%	-2.9%	-2.0%

Chart 5.7
CNCC: Successful Course Completion Rate

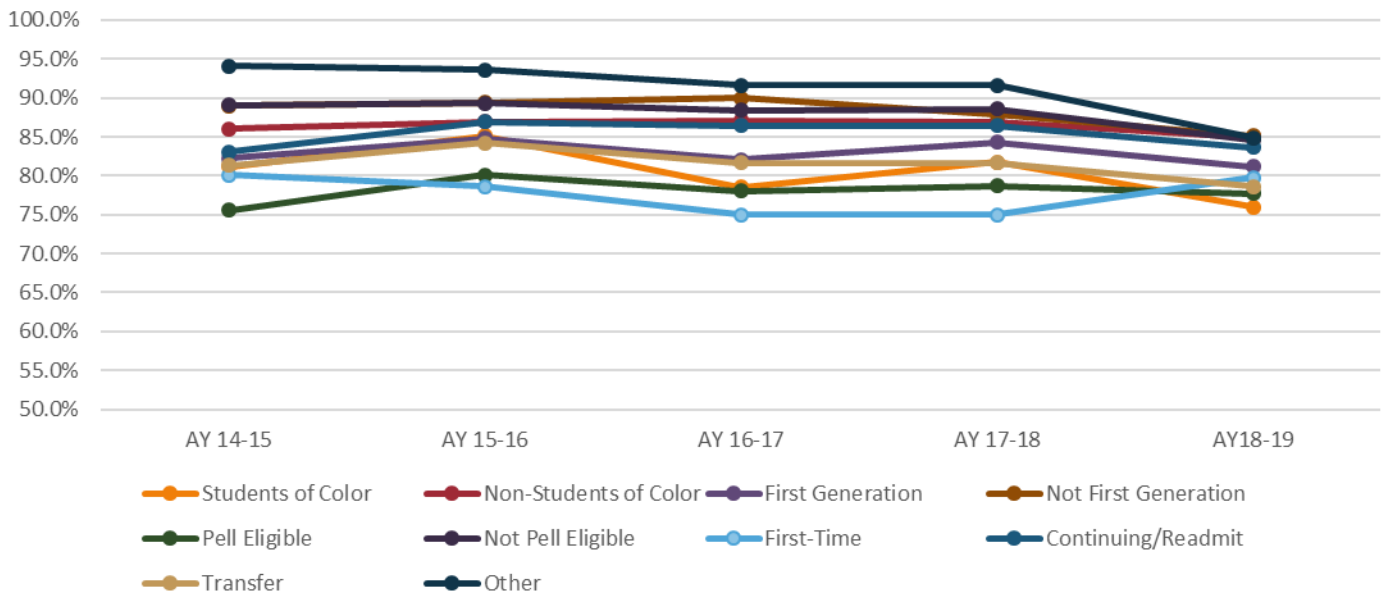




Table 5.12: CNCC Students Enrolled at Fall Census But Earned No Credits

Equity Group	Fall 14	Fall 15	Fall 16	Fall 17	Fall 18	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	7.0%	8.6%	10.1%	7.0%	13.7%	6.7%	6.6%
Non-Students of Color	7.1%	6.1%	6.3%	4.7%	7.6%	2.8%	0.5%
First Generation Status:							
First Generation	8.1%	7.3%	9.0%	6.8%	10.3%	3.5%	2.2%
Not First Generation	5.7%	5.4%	4.2%	3.0%	7.0%	4.1%	1.4%
Pell Eligibility:							
Pell Eligible	11.7%	12.0%	12.6%	8.8%	13.2%	4.4%	1.5%
Not Pell Eligible	5.4%	4.9%	5.0%	4.2%	7.7%	3.6%	2.3%
Student Type:							
First-Time	7.0%	11.4%	15.3%	5.7%	11.4%	5.7%	4.4%
Continuing/Readmit	6.5%	6.7%	5.2%	6.3%	8.6%	2.3%	2.1%
Transfer	9.6%	10.3%	10.4%	6.4%	8.5%	2.1%	-1.1%
Other	7.0%	2.4%	2.8%	3.5%	8.0%	4.5%	0.9%
CNCC Total	6.7%	6.5%	6.6%	5.2%	8.9%	3.7%	2.1%

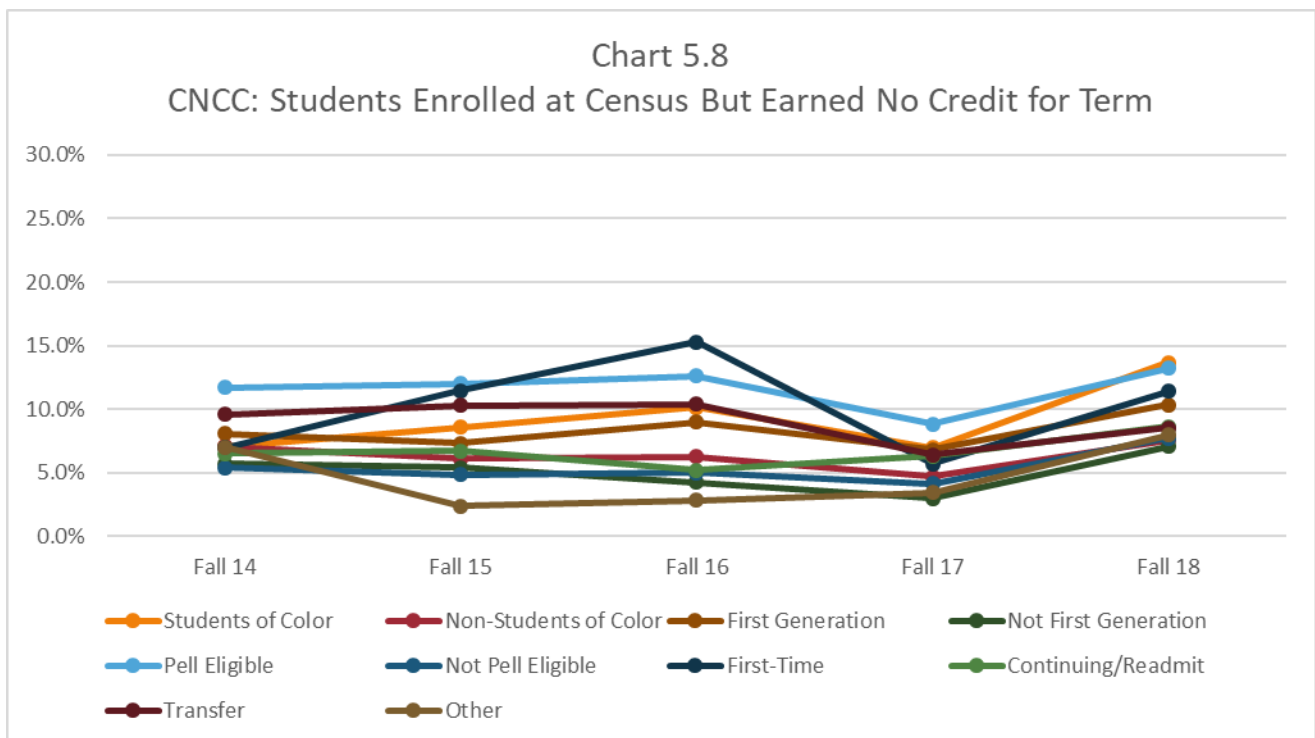




Table 5.13: CNCC Completion of a Student Success Course

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	0.0%	2.2%	2.4%	0.0%	0.4%	0.4%	0.4%
Non-Students of Color	0.8%	0.8%	0.6%	0.0%	0.0%	0.0%	-0.8%
First Generation Status:							
First Generation	0.9%	1.5%	1.0%	0.0%	0.2%	0.2%	-0.7%
Not First Generation	0.3%	0.4%	0.9%	0.0%	0.0%	0.0%	-0.3%
Pell Eligibility:							
Pell Eligible	0.5%	0.9%	1.8%	0.0%	0.3%	0.3%	-0.2%
Not Pell Eligible	0.6%	1.1%	0.6%	0.0%	0.0%	0.0%	-0.6%
CNCC Total	0.6%	1.0%	0.9%	0.0%	0.1%	0.1%	-0.5%

Chart 5.9

CNCC: Percent of Students Completing a Student Success Course

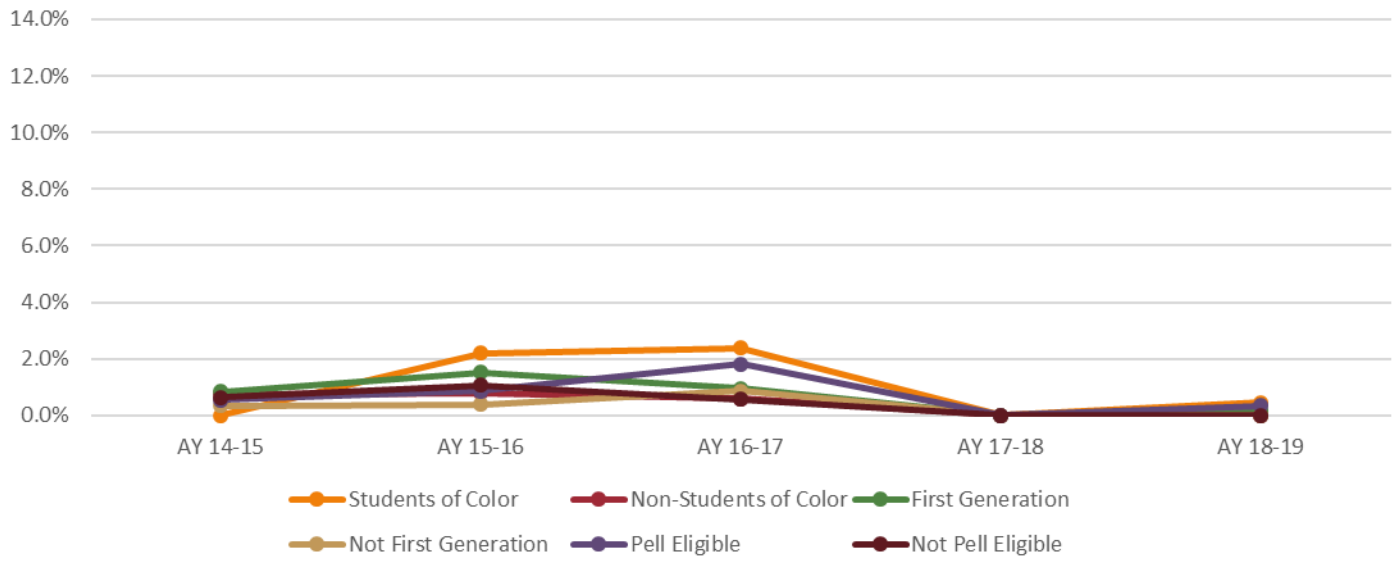




Table 5.14: CNCC Student Success Course Completion Rate

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color		93.3%	66.7%	0.0%	50.0%	50.0%	50.0%
Non-Students of Color	100.0%	80.6%	88.5%	100.0%		-100.0%	-100.0%
First Generation Status:							
First Generation	100.0%	82.4%	76.2%	50.0%	50.0%	0.0%	-50.0%
Not First Generation	100.0%	91.7%	92.9%	100.0%		-100.0%	-100.0%
Pell Eligibility:							
Pell Eligible	100.0%	75.0%	77.8%		50.0%	50.0%	-50.0%
Not Pell Eligible	100.0%	86.8%	84.6%	66.7%		-66.7%	-100.0%
Student Type:							
First-Time	100.0%	77.8%	83.3%		50.0%	50.0%	-50.0%
Continuing/Readmit	100.0%	76.5%	83.3%			0.0%	-100.0%
Transfer	100.0%	100.0%	100.0%			0.0%	-100.0%
Other		94.7%	80.0%	66.7%		-66.7%	0.0%
CNCC Total	100.0%	84.8%	82.9%	66.7%	50.0%	-16.7%	-50.0%

Chart 5.10
CNCC: Student Success Course Completion Rate

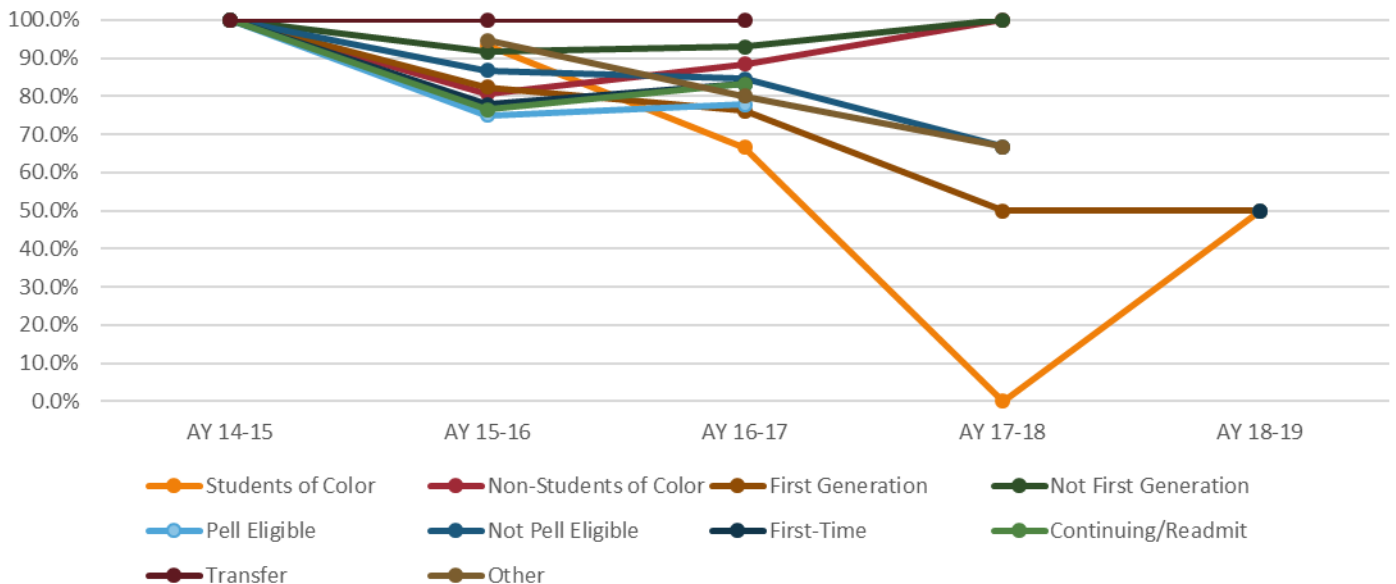
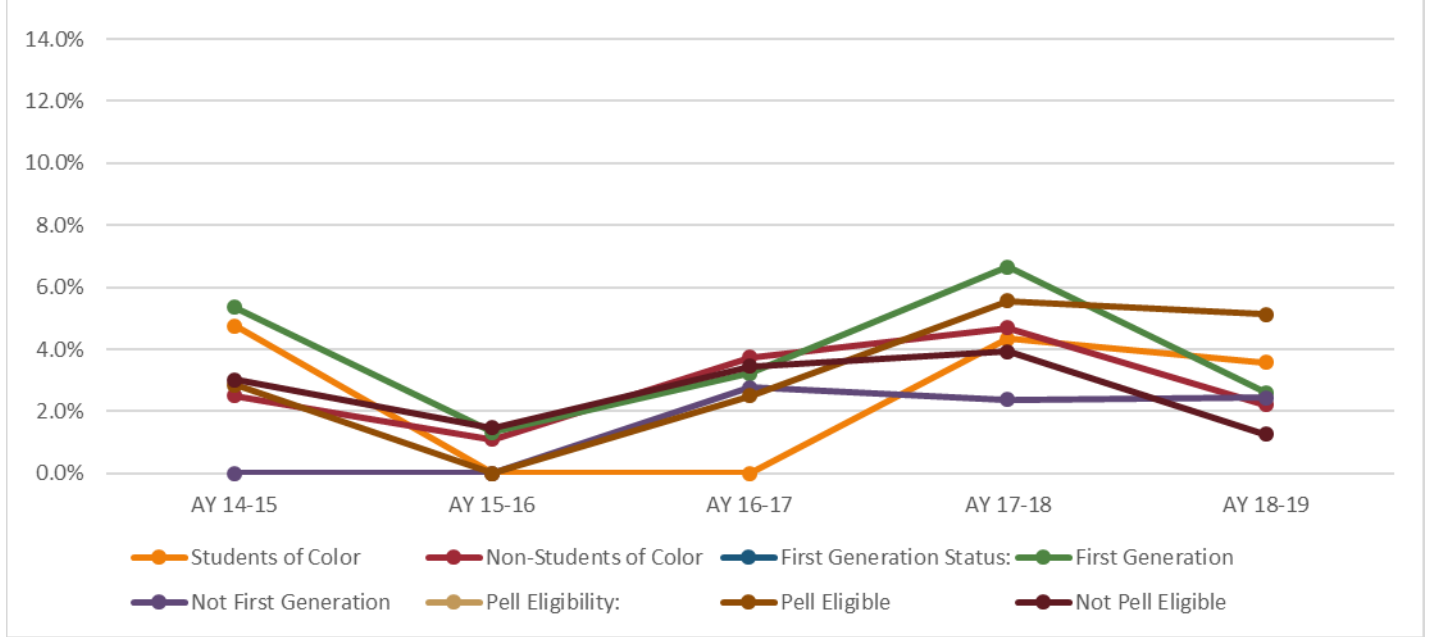




Table 5.15: CNCC Precipitous Decline in GPA from 1st to 2nd Semester

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	4.8%	0.0%	0.0%	4.3%	3.6%	-0.8%	-1.2%
Non-Students of Color	2.5%	1.1%	3.8%	4.7%	2.2%	-2.5%	-0.3%
First Generation Status:							
First Generation	5.4%	1.3%	3.2%	6.7%	2.6%	-4.1%	-2.8%
Not First Generation	0.0%	0.0%	2.8%	2.4%	2.4%	0.1%	2.4%
Pell Eligibility:							
Pell Eligible	2.9%	0.0%	2.5%	5.6%	5.1%	-0.4%	2.3%
Not Pell Eligible	3.0%	1.5%	3.4%	3.9%	1.3%	-2.7%	-1.8%
CNCC Total	3.0%	0.9%	3.1%	4.6%	2.5%	-2.1%	-0.4%

Chart 5.11
CNCC: Precipitous Decline in GPA from 1st to 2nd Semester



COLORADO NORTHWESTERN COMMUNITY COLLEGE: STUDENT SUCCESS KPMS

Table 5.16: CNCC KPM 1.1 Increase the Number of Degrees & Certificates Awarded

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change	
Race/Ethnicity:								
Students of Color	43	37	49	57	42	-26.3%	-2.3%	
Non-Students of Color	169	191	204	240	179	-25.4%	5.9%	
First Generation Status:								
First Generation	119	135	150	172	117	-32.0%	-1.7%	
Not First Generation	93	93	103	125	104	-16.8%	11.8%	
Pell Eligibility:								
Pell Eligible	65	89	72	103	67	-35.0%	3.1%	
Not Pell Eligible	147	139	181	194	154	-20.6%	4.8%	
Student Type:								
First-Time	13	4	13	24	13	-45.8%	0.0%	
Continuing/Readmit	172	195	207	240	176	-26.7%	2.3%	
Transfer	27	28	33	33	30	-9.1%	11.1%	
Other	0	1	0	0	2	----	----	
CNCC Total	212	228	253	297	221	-25.6%	4.2%	
KPM Goal							1.0%	

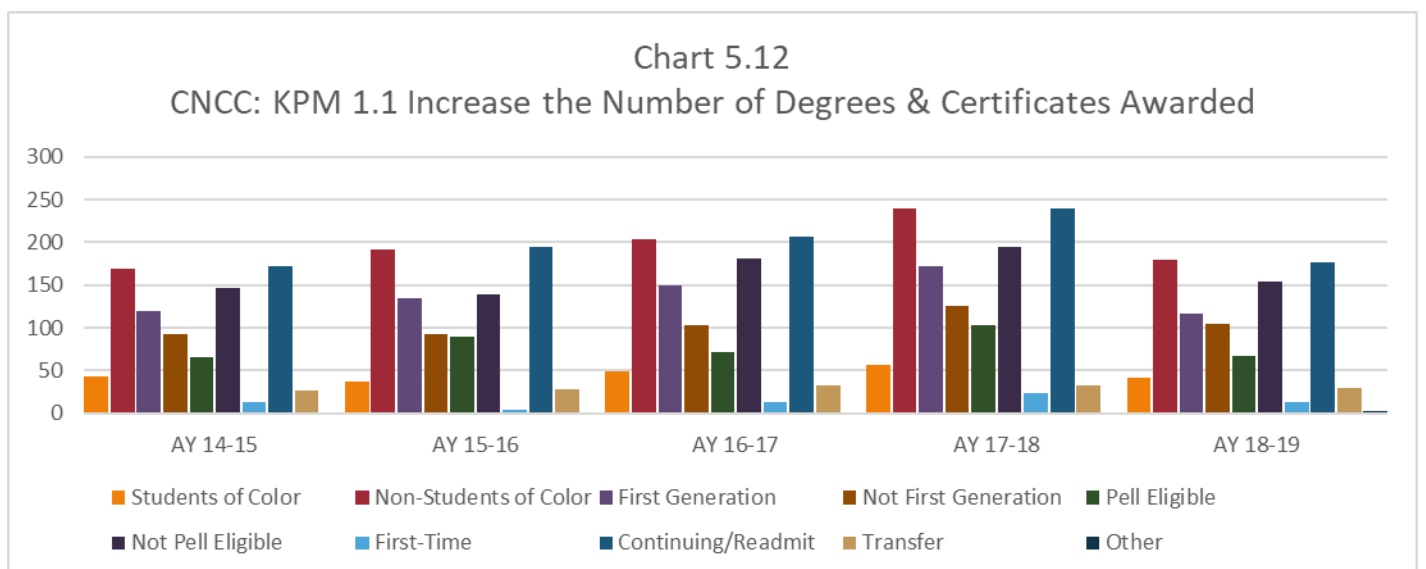




Table 5.17: CNCC KPM 1.1 Degree & Certificate Programs with Greatest 1-Year Increase in Number Awarded

CNCC Program	Change From AY 17-18 to AY 18-19	5-Year Median Wage of Our Graduates ⁶	Meets Living Wage for Service Area = \$34,638.93
513801 - Registered Nursing/Nurse	4	\$61,084.01	✓
120401 - Cosmetology/Cosmetologist, Gen	2	\$30,429.18	
510602 - Dental Hygiene/Hygienist	2	\$57,066.95	✓
019999 - Agriculture, Agriculture Opera	1	NA	
520201 - Business Admin & Management, G	1	NA	
120409 - Aesthetics/Esthetician & Ski	0	\$30,429.18	
190706 - Child Development	0	\$24,153.28	
430103 - Criminal Justice/Law Enforceme	0	\$58,127.81	✓
470604 - Automobile/Automotive Mechanic	0	\$43,734.46	✓
520803 - Banking & Financial Support Se	0	\$64,575.69	✓

Table 5.18: CNCC KPM 1.1 Degree & Certificate Programs with Greatest 5-Year Increase in Number Awarded

CNCC Program	Change From AY 14-15 to AY 18-19	5-Year Median Wage of Our Graduates	Meets Living Wage for Service Area = \$34,638.93
490102 - Airline/Commercial/Professiona	15	\$50,756.97	✓
513801 - Registered Nursing/Nurse	9	\$61,084.01	✓
131210 - Early Childhood Ed & Teaching	9	NA	
470604 - Automobile/Automotive Mechanic	4	\$43,734.46	✓
240101 - Liberal Arts & Sciences/Libera	3	\$46,536.59	✓
510602 - Dental Hygiene/Hygienist	2	\$57,066.95	✓
010507 - Equestrian/Equine Studies	2	NA	
470608 - Aircraft Powerplant Tech/Techn	2	\$43,734.46	✓
019999 - Agriculture, Agriculture Opera	1	NA	
520201 - Business Admin & Management, G	1	NA	

⁶ Although wage data obtained from CDHE includes CNCC's actual graduates, the population may not include the exact same graduates included in the determination of the programs with the greatest change.



Table 5.19: CNCC KPM 1.2 Exceed the National Fall-to-Fall Retention Rate for Full-Time Students

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	39.0%	39.5%	50.0%	31.9%	50.0%	18.1%	11.0%
Non-Students of Color	53.8%	62.9%	57.3%	61.2%	54.3%	-6.8%	0.6%
First Generation Status:							
First Generation	49.0%	55.7%	55.3%	48.1%	49.3%	1.3%	0.4%
Not First Generation	50.0%	56.7%	56.6%	60.9%	57.9%	-3.0%	7.9%
Pell Eligibility:							
Pell Eligible	50.7%	53.2%	47.8%	43.7%	50.8%	7.1%	0.1%
Not Pell Eligible	47.6%	58.1%	61.8%	59.5%	55.1%	-4.4%	7.5%
CNCC Total	49.3%	56.1%	55.8%	52.0%	53.0%	1.0%	3.8%
National Public 2-Year Schools	60.5%	61.1%	62.1%	62.3%	NA		

Chart 5.13
CNCC: KPM 1.2 Exceed the National Fall-to-Fall Retention Rate, Full-Time Students

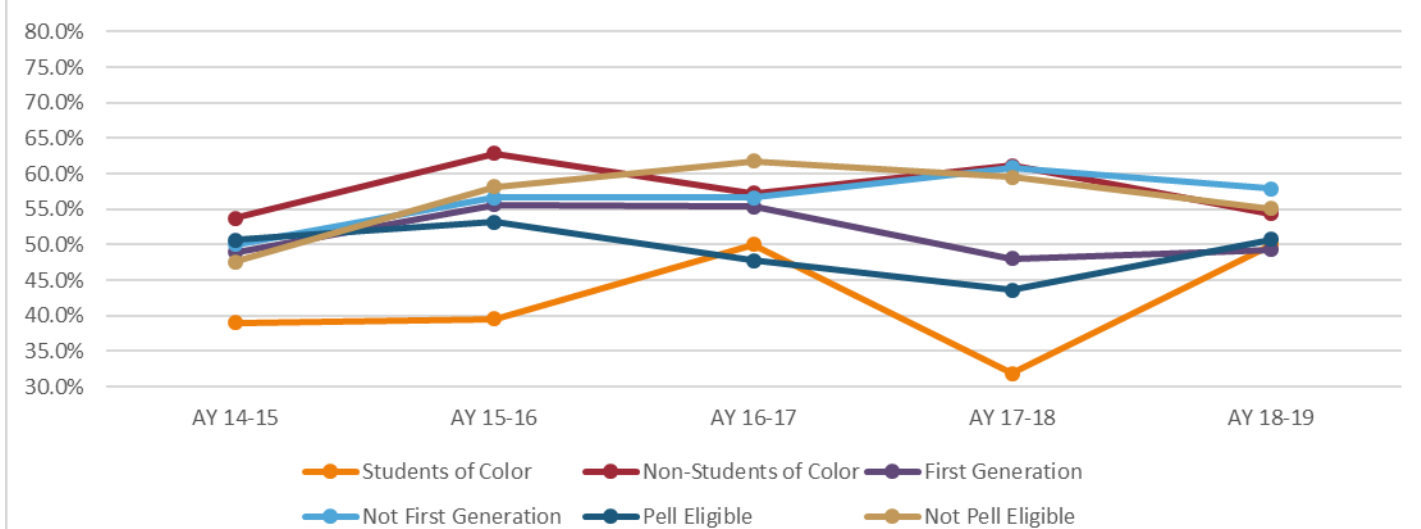




Table 5.20: CNCC KPM 1.2 Exceed the National Fall-to-Fall Retention Rate for Part-Time Students

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	62.5%	36.4%	42.9%	0.0%	36.4%	36.4%	-26.1%
Non-Students of Color	43.5%	25.8%	33.3%	31.6%	45.2%	13.6%	1.7%
First Generation Status:							
First Generation	45.5%	24.2%	32.0%	23.5%	51.7%	28.2%	6.3%
Not First Generation	47.6%	44.4%	41.7%	40.0%	23.1%	-16.9%	-24.5%
Pell Eligibility:							
Pell Eligible	38.5%	16.7%	22.2%	25.0%	37.5%	12.5%	-1.0%
Not Pell Eligible	48.8%	33.3%	39.3%	30.0%	46.2%	16.2%	-2.6%
CNCC Total	46.3%	28.6%	35.1%	27.3%	42.9%	15.6%	-3.4%
National Public 2-Year Schools	44.9%	44.9%	46.0%	46.5%	NA		

Chart 5.14
CNCC: KPM Exceed the National Fall-to-Fall Retention Rate for Part-Time Students

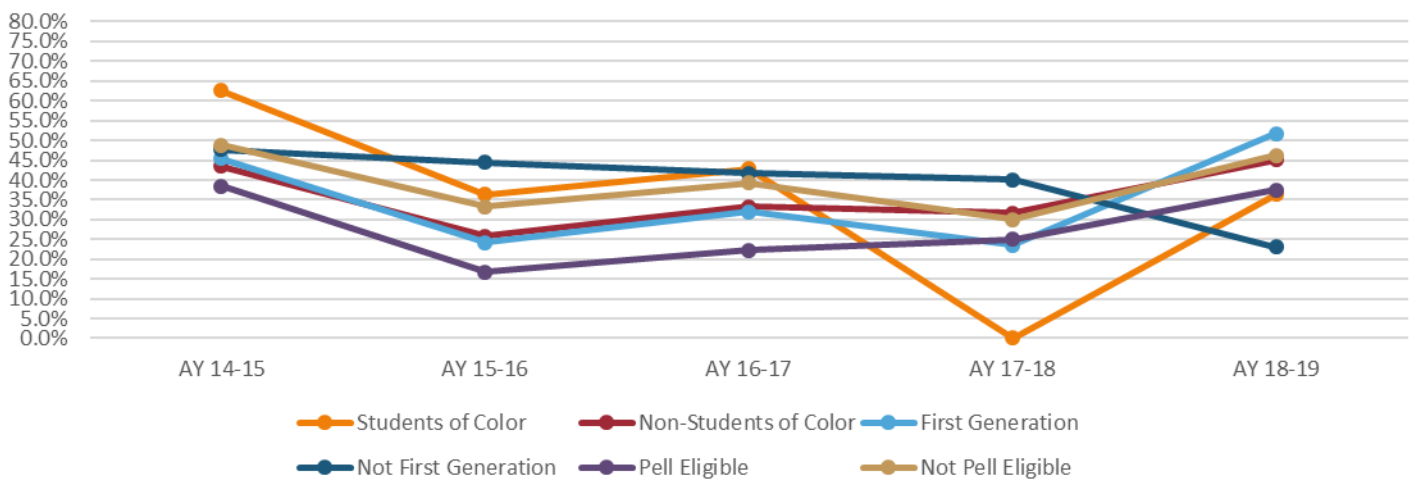




Table 5.21: CNCC KPM 1.2 Exceed the National Fall-to-Spring Retention Rate for Full-Time Students

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	65.9%	67.4%	75.0%	57.4%	82.5%	25.1%	16.6%
Non-Students of Color	84.9%	83.8%	78.2%	85.4%	80.4%	-5.0%	-4.5%
First Generation Status:							
First Generation	79.2%	77.3%	72.8%	73.1%	77.3%	4.3%	-1.8%
Not First Generation	78.9%	81.7%	86.8%	84.8%	86.0%	1.2%	7.0%
Pell Eligibility:							
Pell Eligible	78.9%	79.0%	67.2%	73.2%	79.4%	6.1%	0.5%
Not Pell Eligible	79.4%	79.1%	85.4%	79.7%	82.6%	2.9%	3.2%
CNCC Total	79.1%	79.1%	77.6%	76.7%	81.1%	4.4%	2.0%
National Public 2-Year Schools	NA	NA	NA	NA	NA		

Chart 5.15
CNCC: KPM 1.2 Exceed the National Fall-to-Spring Retention Rate for Full-Time Students

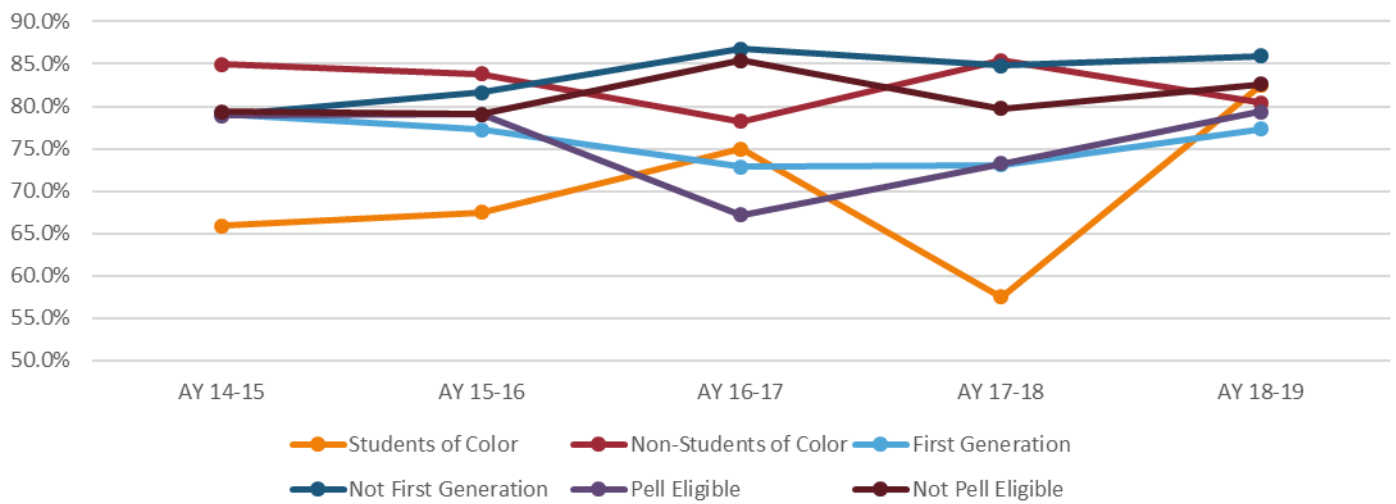




Table 5.22: CNCC KPM 1.2 Exceed the National Fall-to-Spring Retention Rate for Part-Time Students

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	37.5%	36.4%	42.9%	33.3%	54.5%	21.2%	17.0%
Non-Students of Color	52.2%	48.4%	53.3%	42.1%	51.6%	9.5%	-0.6%
First Generation Status:							
First Generation	51.5%	42.4%	40.0%	41.2%	55.2%	14.0%	3.7%
Not First Generation	47.6%	55.6%	75.0%	40.0%	46.2%	6.2%	-1.5%
Pell Eligibility:							
Pell Eligible	69.2%	41.7%	33.3%	33.3%	50.0%	16.7%	-19.2%
Not Pell Eligible	43.9%	46.7%	57.1%	50.0%	53.8%	3.8%	9.9%
CNCC Total	50.0%	45.2%	51.4%	40.9%	52.4%	11.5%	2.4%
National Public 2-Year Schools	NA	NA	NA	NA	NA		

Chart 5.16
CNCC: KPM 1.2 Exceed the National Fall-to-Spring Retention Rate for Part-Time Students

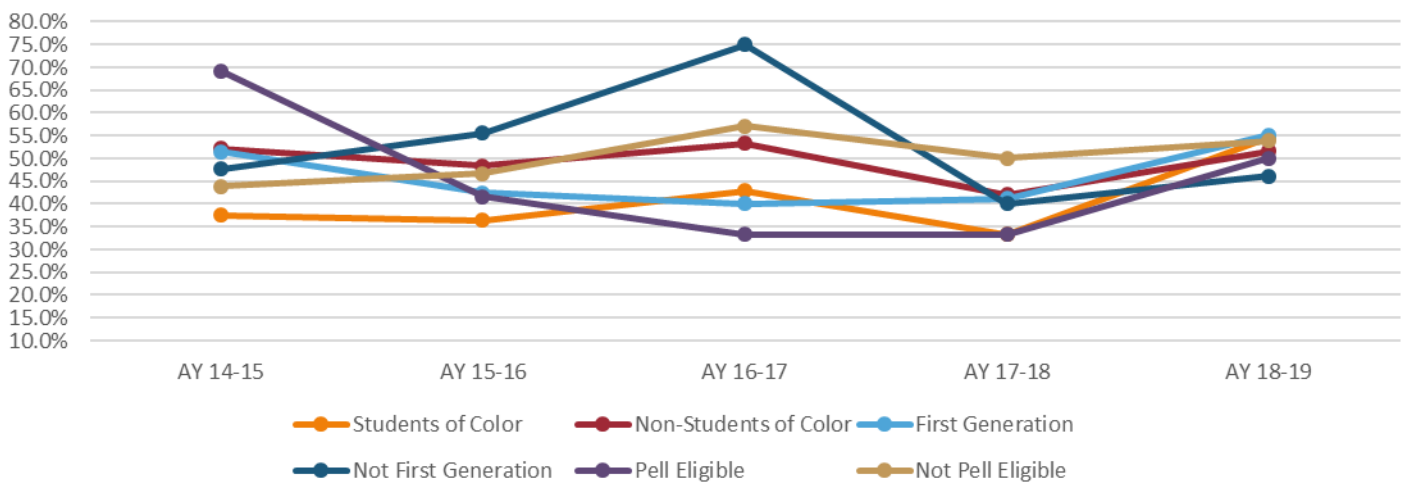




Table 5.23: CNCC KPM 1.7 Increase Distance & Hybrid Success Rates to Match On-Campus Success Rates

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	62.8%	62.7%	61.6%	79.1%	61.4%	-17.7%	-1.4%
Non-Students of Color	64.0%	72.1%	73.1%	76.0%	75.8%	-0.2%	11.8%
First Generation Status:							
First Generation	60.7%	68.6%	64.9%	75.7%	71.1%	-4.6%	10.4%
Not First Generation	69.7%	74.8%	82.0%	78.7%	74.9%	-3.7%	5.2%
Pell Eligibility:							
Pell Eligible	51.8%	60.3%	61.9%	71.0%	67.6%	-3.4%	15.8%
Not Pell Eligible	73.4%	77.8%	76.5%	81.4%	75.6%	-5.7%	2.2%
Student Type:							
First-Time	60.0%	55.9%	46.1%	64.7%	70.1%	5.4%	10.1%
Continuing/Readmit	64.6%	71.0%	71.3%	76.1%	72.6%	-3.6%	7.9%
Transfer	59.9%	73.2%	76.9%	82.3%	73.4%	-8.9%	13.5%
Other	72.7%	90.9%	83.7%	100.0%	73.5%	-26.5%	0.8%
CNCC Total	63.7%	70.5%	70.6%	76.8%	72.4%	-4.3%	8.7%
On-Campus Success Rate	87.3%	88.8%	86.1%	86.0%	84.8%	-1.2%	-2.5%

Chart 5.17
CNCC: KPM 1.7 Increase Distance & Hybrid Course Success Rates to Match On-Campus Success Rates

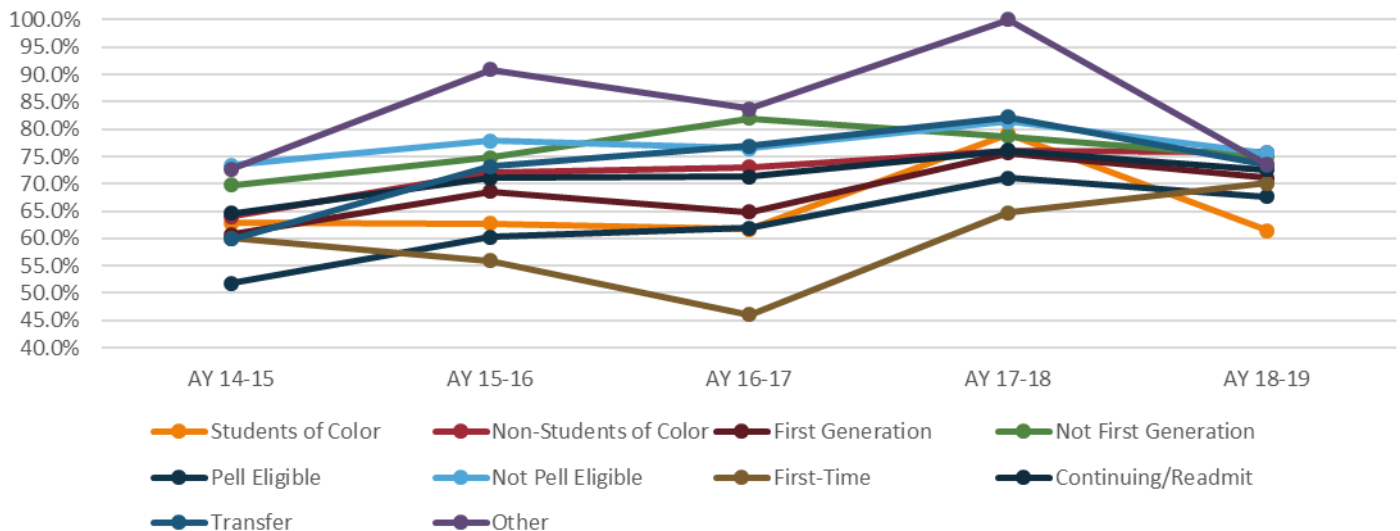
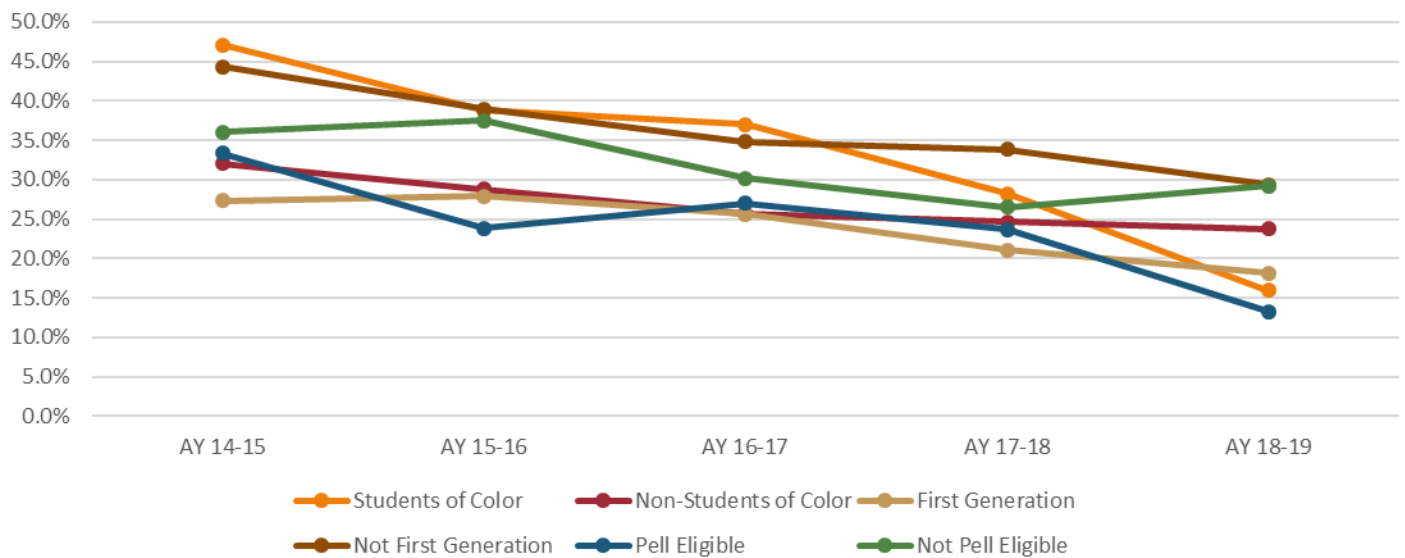




Table 5.24: CNCC KPM 3.2 Increase Percentage of Successful Transfers to 4-Year Institutions

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	47.1%	38.8%	37.0%	28.2%	16.0%	-12.2%	-31.1%
Non-Students of Color	32.0%	28.8%	25.7%	24.7%	23.8%	-0.9%	-8.2%
First Generation Status:							
First Generation	27.3%	27.9%	25.6%	21.1%	18.2%	-2.9%	-9.2%
Not First Generation	44.3%	39.0%	34.8%	33.8%	29.4%	-4.4%	-14.9%
Pell Eligibility:							
Pell Eligible	33.3%	23.8%	27.0%	23.7%	13.3%	-10.4%	-20.1%
Not Pell Eligible	36.1%	37.5%	30.2%	26.5%	29.2%	2.7%	-6.9%
CNCC Total	35.0%	31.4%	28.9%	25.4%	21.5%	-3.9%	-13.5%
KPM Goal						2.0%	

Chart 5.18
CNCC: Increase Percentage of Successful Transfers to 4-Year Institutions



COLORADO NORTHWESTERN COMMUNITY COLLEGE: CONCURRENT ENROLLMENT KPMs

Table 5.25: CNCC KPM 3.1 Increase Matriculation of Concurrent Enrollment Students to a CCCS Institution Within 4 Years of High School Graduation

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	70.0%	57.6%	30.8%	41.4%	32.1%	-9.4%	-37.9%
Non-Students of Color	48.7%	47.4%	30.5%	30.4%	27.7%	-2.7%	-21.0%
First Generation Status:							
First Generation	49.0%	51.7%	37.7%	36.6%	29.9%	-6.7%	-19.1%
Not First Generation	51.4%	45.3%	22.7%	25.5%	25.9%	0.4%	-25.4%
Pell Eligibility:							
Pell Eligible	100.0%	66.7%	60.0%	100.0%	50.0%	-50.0%	-50.0%
Not Pell Eligible	49.9%	47.9%	30.1%	31.7%	28.3%	-3.4%	-21.6%
CNCC Total	50.2%	48.2%	30.5%	32.0%	28.4%	-3.6%	-21.8%
KPM Goal						1.0%	

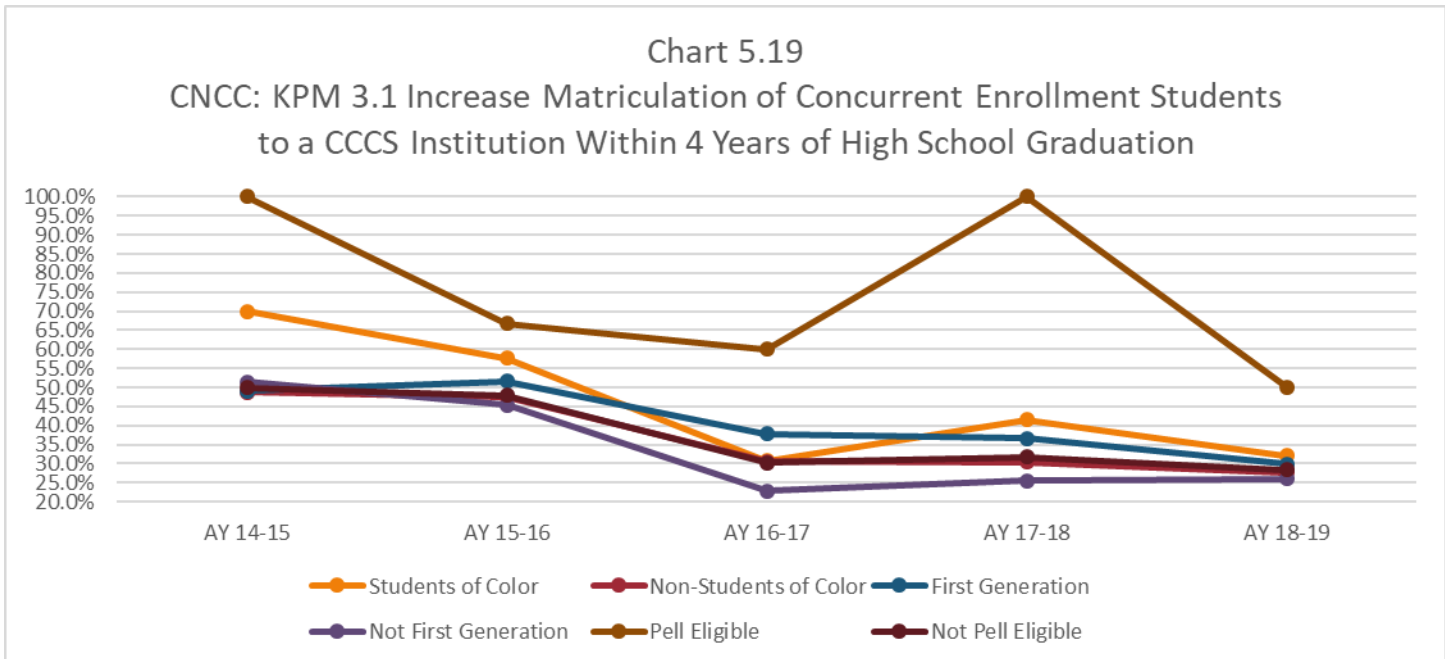




Table 5.26: CNCC KPM 3.1 Increase CNCC College Credentials Awarded to Concurrent Enrollment Students

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	7	4	4	4	6	50.0%	-14.3%
Non-Students of Color	27	17	26	16	23	43.8%	-14.8%
First Generation Status:							
First Generation	24	15	23	11	16	45.5%	-33.3%
Not First Generation	10	6	7	9	13	44.4%	30.0%
Pell Eligibility:							
Pell Eligible	0	1	0	0	0	----	----
Not Pell Eligible	34	20	30	20	29	45.0%	-14.7%
CNCC Total	34	21	30	20	29	45.0%	-14.7%
KPM Goal						1.0%	

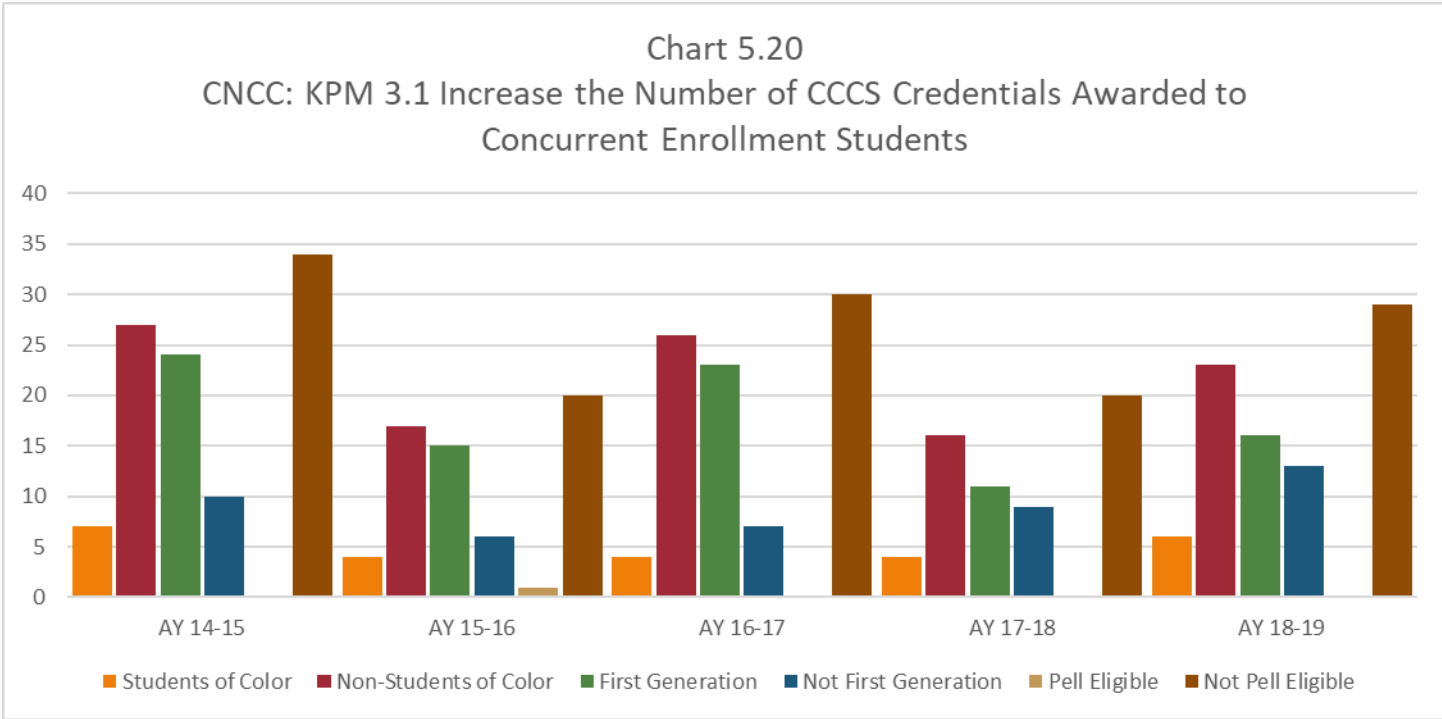
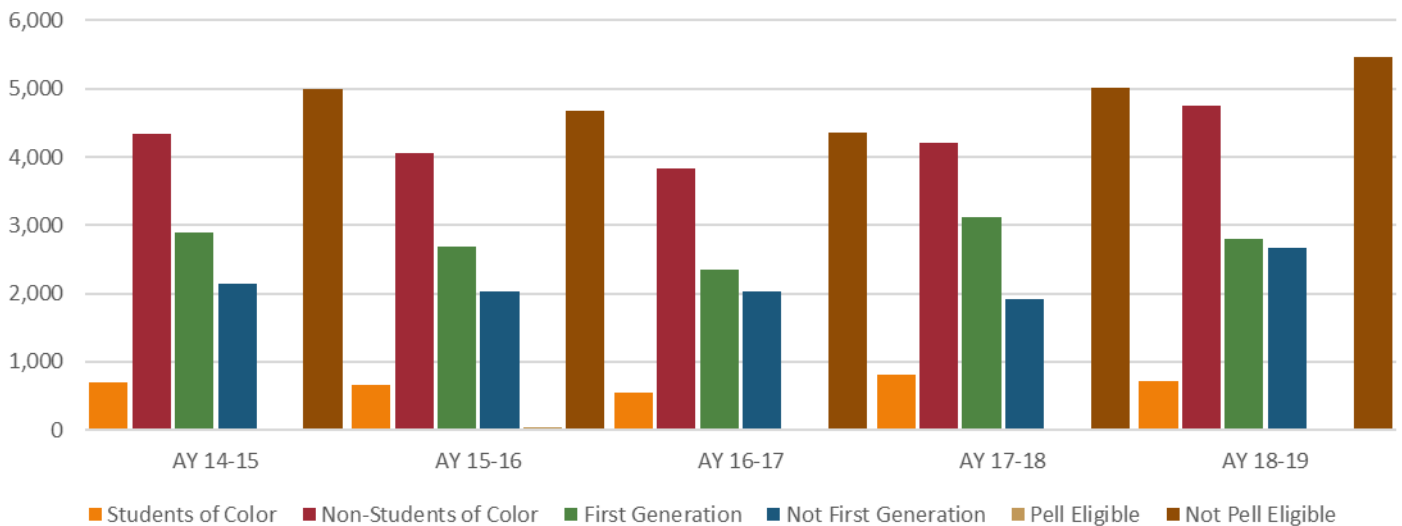




Table 5.27: CNCC KPM 3.1 Increase Successful Credit Completion Through Concurrent Enrollment

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	696	656	548	817	714	-12.6%	2.5%
Non-Students of Color	4,336	4,051	3,824	4,215	4,750	12.7%	9.5%
First Generation Status:							
First Generation	2,896	2,684	2,348	3,114	2,805	-9.9%	-3.1%
Not First Generation	2,137	2,022	2,024	1,918	2,659	38.6%	24.4%
Pell Eligibility:							
Pell Eligible	28	35	17	20	3	-85.0%	-89.3%
Not Pell Eligible	5,004	4,671	4,355	5,012	5,460	8.9%	9.1%
CNCC Total	5,032	4,706	4,372	5,032	5,463	8.6%	8.6%
KPM Goal						1.0%	

Chart 5.21
CNCC: KPM 3.1 Increase Successful Credit Completion Through Concurrent Enrollment



COLORADO NORTHWESTERN COMMUNITY COLLEGE: SKILLS BUILDERS & OVERALL SUCCESS

Table 5.28: CNCC Skills Builders

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	5.9%	4.1%	9.3%	0.0%	6.0%	6.0%	0.1%
Non-Students of Color	6.4%	6.5%	8.1%	5.8%	3.3%	-2.6%	-3.1%
First Generation Status:							
First Generation	7.2%	4.7%	10.7%	5.5%	5.8%	0.3%	-1.4%
Not First Generation	5.2%	8.5%	4.3%	3.1%	0.0%	-3.1%	-5.2%
Pell Eligibility:							
Pell Eligible	2.1%	2.4%	2.7%	3.9%	2.4%	-1.5%	0.3%
Not Pell Eligible	8.9%	8.7%	12.1%	5.1%	5.6%	0.5%	-3.2%
CNCC Total	6.3%	5.9%	8.4%	4.7%	4.1%	-0.6%	-2.2%

Chart 5.22
CNCC: Skills Builders

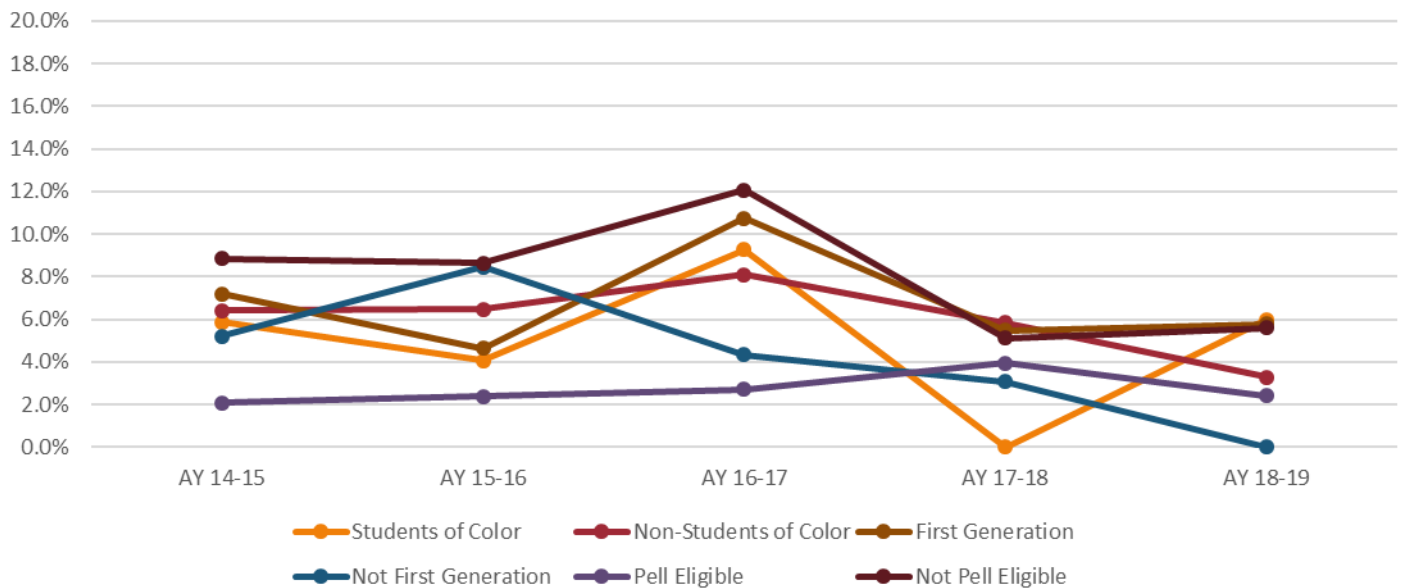
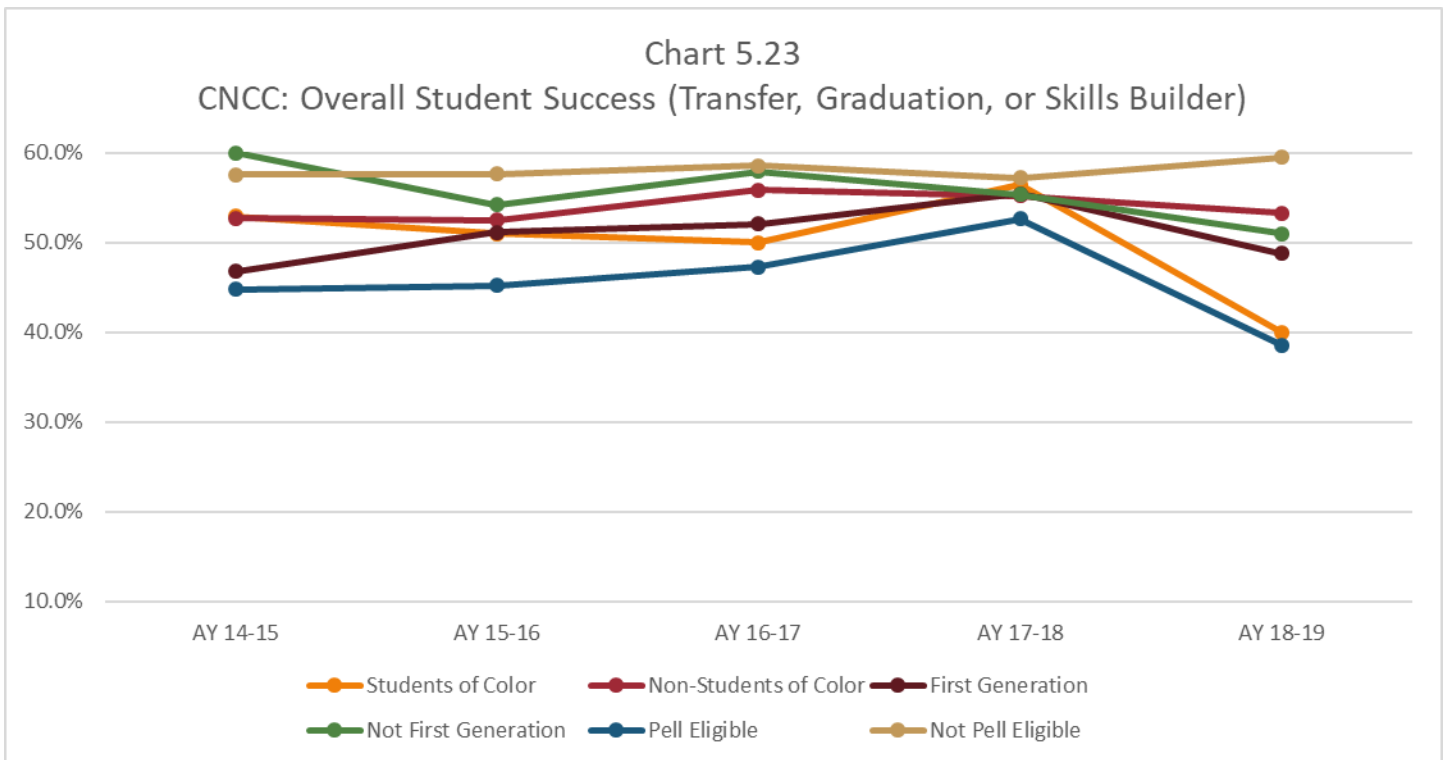




Table 5.29: CNCC Overall Student Success (Transfer, Graduation, or Skills Builder)

Equity Group	AY 14-15	AY 15-16	AY 16-17	AY 17-18	AY 18-19	1-Year Change	5-Year Change
Race/Ethnicity:							
Students of Color	52.9%	51.0%	50.0%	56.4%	40.0%	-16.4%	-12.9%
Non-Students of Color	52.7%	52.5%	55.9%	55.2%	53.3%	-1.9%	0.6%
First Generation Status:							
First Generation	46.8%	51.2%	52.1%	55.5%	48.8%	-6.7%	2.0%
Not First Generation	60.0%	54.2%	58.0%	55.4%	51.0%	-4.4%	-9.0%
Pell Eligibility:							
Pell Eligible	44.8%	45.2%	47.3%	52.6%	38.6%	-14.1%	-6.2%
Not Pell Eligible	57.6%	57.7%	58.6%	57.3%	59.6%	2.3%	2.0%
CNCC Total	52.8%	52.1%	54.2%	55.4%	49.4%	-6.0%	-3.3%



APPENDIX A: METHODOLOGY

The following describes how each leading indicator and performance metric was calculated as well as the source of the underlying data. Methods included do not provide technical detail such as exact coding or fields and tables used. For IR professionals seeking this kind of technical detail, please reach out to CCCS Institutional Research.

DATA SOURCE

All Key Performance Metric (KPM) data was pulled from the operational data store (ODS) at the Colorado Community College System office. Populations used in calculating KPMs were pulled from freeze tables for consistency, and are reflective of the end-of-term freeze for a given academic term. The end-of-term freeze dates allow time for data entry and cleanup after the actual end of the semester. End-of-term freeze dates are as follows:

- Summer – October 10
- Fall – February 10
- Spring – July 10

LEADING INDICATOR I – COMPLETION OF GATEWAY ENGLISH AND MATH IN FIRST YEAR

Two measures are provided for leading indicator I, a successful completion rate in gateway courses and the proportion of students that have completed a gateway course by the end of their first year.

Gateway courses include English 121, and Math courses with the following course numbers: 103, 107, 108, 109, 112, 120, 121, 123, and 135.

Successful completion entails receiving a grade of C or better, or a satisfactory grade. Grades of D, F, and W (withdrawn) are considered unsuccessful courses, and dropped or incomplete courses are not included in the calculation.

A student's "first year" is considered to be the first three academic terms of eligibility, beginning with the semester in which a student registers as a new first-time student. For example: the first year for a student registering in spring ends in the following fall. Likewise, a student starting in the summer would end their first year the following spring. Headcounts are based on the academic year in which the student registered as new first-time.

Success rate percentages are total successful course completions divided by total registered courses as of the end of term. Headcount percentages are all unique first-time students completing a gateway course in their first year divided by all unique students registered for at least one course.

LEADING INDICATOR II – CREDIT ACCUMULATION IN FIRST YEAR

Totals reflect the average number of cumulative credits earned by students through the end of their first year. Credits earned are inclusive of any concurrent enrollment activity and all CCCS schools attended.

“First year” is considered to be the first three academic terms of eligibility, beginning with the semester in which a student registers as a new first-time student at a CCCS institution.

Credits earned are summed from student course data in the ODS, and are based on grading rules established at the students’ specific institution.

LEADING INDICATOR III – ACCELERATION, DECELERATION OF CREDITS FROM 1ST TO 2ND SEMESTER

Average change in number of registered credits from a student’s first semester to their second semester. Changes are measured from the semester in which a student registers as a new first-time student (non high school) to the following semester. This metric focuses on term credits, not cumulative, to measure enrollment intensity and course load.

The population for this metric only includes students who enrolled in both semesters.

LEADING INDICATOR VI – SUCCESSFUL COURSE COMPLETION RATE

Measures the percentage of all registered courses that were completed successfully, as of end of term.

Successful completion entails receiving a grade of C or better, or a satisfactory grade. Grades of D, F, and W (withdrawn) are considered unsuccessful courses. Dropped courses or courses with a grade of “I” (incomplete) are not included in the calculation.

LEADING INDICATOR VII – STUDENTS ENROLLED AT FALL CENSUS BUT EARNED NO CREDIT FOR TERM

Percentages represent the proportion of students registered in for-credit courses as of census in a given fall term, but had earned no credits at the end of that same term.

Credits earned are summed from student course data in the ODS, and are based on grading rules established at the students' specific institution.

LEADING INDICATOR VIII – COMPLETION OF A STUDENT SUCCESS COURSE

Two measures are provided for leading indicator VIII, a successful completion rate in student success courses and the proportion of students that completed a student success course in a given academic year. High School students are not included in the population.

Student success courses include AAA courses with a course number of 100 or higher.

Successful completion entails receiving a grade of "C" or better, or a satisfactory grade. Grades of D, F, and W (withdrawn) are considered unsuccessful courses. Dropped courses or courses with a grade of "I" (incomplete) are not included in the calculation.

LEADING INDICATOR XI – PRECIPITOUS DECLINE IN GPA FROM FIRST TO SECOND SEMESTER

Term GPA is compared between first and second term for students registering as new first-time. Percentages reflect the proportion of students whose second term GPA was at least 1.3 points below their first term GPA.

The population for this metric only includes students who were registered in both terms. In addition, only students with a cumulative GPA at or above 2.0 in both semesters are included in the population.

The 1.3 decline threshold was used as an initial exploratory effort into this metric, as it was developed at Colorado State University by Dr. Paul Thayer. Methods are subject to review and revision for future iterations to account for differences in the CCCS and CSU populations.

KPM 1.1 – INCREASE THE NUMBER OF CERTIFICATES AND DEGREES AWARDED BY ONE PERCENTAGE POINT (PARTICULAR EMPHASIS ON CREDENTIALS THAT LEAD TO A LIVING WAGE)

Measures the percent change in total credentials (degrees and certificates) awarded over time. High school students are not included in the population.

A subset of these credentials is used to assess those that lead to a living wage. The top ten degrees are displayed by growth, as measured through the absolute change in number of credentials in a given subject. Credentials are grouped according to their Classification of Instructional Program (CIP) code and matched to the corresponding wage data for that CIP code to ascertain whether the highest growth credentials lead to a living wage.

Data supporting living wage and median salary thresholds was pulled using the following online calculators and data files:

- [MIT Living Wage Calculator](#)
- [CDHE Postsecondary Degree Earnings Outcomes](#)

Wage thresholds used in this document represent calculations using two working adults and two children.

KPM 1.2 – EXCEED THE NATIONAL FALL-TO-FALL AND FALL-TO-SPRING RETENTION RATE FOR FULL AND PART-TIME COMMUNITY COLLEGE STUDENTS BY 2025

The CDHE and IPEDS method of measuring retention is used. Retention cohorts include students enrolled as new first-time students in the fall term, or registered in the fall and new first-time in the summer directly preceding the fall term.

Only degree-seeking students (declared in any academic program) are included in the cohort, and separate rates are calculated for full and part-time students.

Students are considered retained if they registered in the following fall term, or are awarded a credential between the fall term of entry and the following summer term. For example: for the fall 2017 cohort, students registered in fall 2018 or attaining a credential by the end of summer 2018 are considered retained.

Fall-to-spring retention is calculated based on enrollment in the spring term directly following the fall cohort, or receiving a credential in fall or spring.

National rates are sourced from the [IPEDS Trend Generator](#). IPEDS only provides national benchmarks for fall-to-fall retention, so fall-to-spring retention benchmarks are not provided in this document.

KPM 1.3 – ASSURE EQUITY FOR STUDENTS FROM UNDERREPRESENTED GROUPS, AS COMPARED TO OVERALL STUDENT OUTCOMES

All KPM data is broken down by student demographics to assess equity – including populations such as students of color, first generation students, and Pell eligible students.

An overall success rate is also provided that includes graduation, transfer (to four-year institutions) and Skills Builder outcomes over the traditional three-year graduation rate period. The success rate is the percentage of students in a given graduation cohort that achieve any one of these outcomes within three years after registering as a new first-time student.

Fall graduation cohorts were used for the overall success rate, and include the same students as mentioned in KPM 1.2: degree-seeking students registered as new-first time in the fall term, or registered in the fall and new first-time in the summer directly preceding fall term. Full and part-time students are both included in the overall success calculations for purposes of this document.

A student is counted as having transferred or graduated if they attended a four-year school or received a CCCS credential within three academic years, plus a trailing summer. For example: students in the fall 2016 cohort that obtain a credential or transfer by summer 2019 are included as successful outcomes. Skills Builder outcomes are also assessed using the same span of time for purposes of this document.

A “Skills Builder” student is one that meets the following criteria, according to research conducted by Dr. Peter Bahr of the University of Michigan in coordination with the CCCS Institutional Research office:

- Number of terms enrolled in community college ≤ 2
- Percentage of community college course credits completed successfully = 100%
- Total number of community college credits attempted ≤ 26
- Percentage of attempted community college credits in CTE fields $\geq 50\%$
- Did not attend a four-year institution in the one year prior to enrolling in community college

Four-year transfer data was obtained through the National Student Clearinghouse Student Tracker.

KPM 1.7 – INCREASE DISTANCE & HYBRID COURSE SUCCESS RATE TO MATCH ON-CAMPUS COURSE SUCCESS RATE BY 2025

Compares courses taught exclusively on campus with those utilizing some sort of distance learning or online component. These include online courses, hybrid courses that are taught partially on campus as well as online, and interactive video courses.

Success rates are computed using the same method previously mentioned in leading indicators: a grade of C or better, or a satisfactory grade is considered a successful course. Grades of D, F, and W (withdrawn) are considered unsuccessful courses. Dropped or incomplete courses are not included in the calculation.

Course delivery methods are categorized using a combination of instruction method and schedule type in the student course ODS tables.

KPM 3.1 - INCREASE MATRICULATION OF CONCURRENT ENROLLMENT STUDENTS TO A CCCS INSTITUTION WITHIN FOUR YEARS OF HIGH SCHOOL GRADUATION BY 1% EACH YEAR THROUGH 2025

Measures the rate at which students attending a CCCS institution while still in high school later register at a CCCS institution after high school graduation.

A student is counted as having matriculated if they register as a non-high school student after previously registering as a high school student. Matriculation to any CCCS institution is measured in this document.

The period of time over which matriculation is assessed is four academic years after the year of high school participation. For example: for all high school students registered in the 2015 academic year, matriculation rates are calculated up through academic year 2019.

KPM 3.1 - INCREASE CCCS COLLEGE CREDENTIALS AWARDED TO CONCURRENT ENROLLMENT STUDENTS BY 1% EACH YEAR THROUGH 2025

Similar to KPM 1.1, measures the percent change in total credentials (degrees and certificates) awarded over time, specific only to high school students. All credentials (degrees and certificates) awarded to high school students are totaled for the academic year and percent change over time is displayed.

KPM 3.1 - INCREASE SUCCESSFUL CREDIT COMPLETION THROUGH CONCURRENT ENROLLMENT BY 1% EACH YEAR THROUGH 2025

Measures total credits completed successfully by high school students within an academic year. Percentage change in the total number of successful credits is displayed.

Course successes are measured as previously mentioned in leading indicators and KPM 1.7: a grade of C or better, or a satisfactory grade is considered a successful course. Grades of D, F, and W (withdrawn) are considered unsuccessful courses. Dropped or incomplete courses are not included in the calculation.

KPM 3.2 – INCREASE PERCENTAGE OF SUCCESSFUL TRANSFERS TO FOUR-YEAR INSTITUTIONS

Transfer rates use graduation and retention cohorts as mentioned in KPM 1.2 and 1.3: degree-seeking students enrolled as new first-time in the fall term, or registered in the fall and new first-time in the summer directly preceding the fall term. Both full and part-time students are included for purposes of this metric.

The span of time over which transfer rates are calculated is consistent with graduation rates and the overall success rate mentioned in KPM 1.3. Students are counted as transferred if they attend a four-year institution at any point within three academic years, plus a trailing summer. For example: students in the fall 2016 cohort that attend a four-year institution by summer 2019 are counted in transfer outcomes.

Four-year transfer data was obtained through the National Student Clearinghouse Student Tracker.