



2021

GATEWAYS TO GCC REPORT

DUAL ENROLLMENT ACCELERATED LEARNING (DEAL)
DUAL CREDIT ARTICULATED PROGRAM OF STUDY (DCAPS)
CLASSROOM LEARNING YIELDS MATH & ENGLISH
READINESS (CLYMER)



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At Guam Community College, the Dual Enrollment Accelerated Learning (DEAL) program and the Dual Credit Articulated Programs of Study (DCAPS) are two programs that allow for the awarding of college credit. DEAL covers general education courses, primarily mathematics and English; DCAPS covers career and technical education programs. DEAL allows eligible students to earn both college and high school credits simultaneously, while DCAPS allows Certificate of Mastery recipients to be awarded college credit based on the successful completion of CTE courses as indicated in the DCAPS program agreement. This report contains data indicating the number of students enrolled in, and completing these programs.

Dual Enrollment Accelerated Learning (DEAL) Program

Since spring of 2010, GCC has had **78** students participate in the DEAL program. GCC continues to provide the opportunity for high school students to earn both high school and college credits to those who demonstrate academic excellence by placing in a college level Math and/or English course either from CLYMER or Accuplacer.

For Academic Year 2020-2021, there were no DEAL applicants. COVID-19 concerns and transportation-related challenges were cited by potential applicants as reasons for not applying.

In order to increase the number of DEAL participants, GCC is considering the possibility of offering students the opportunity to take EN110 or MA110 in one of GDOE's public high schools. GCC is also pursuing grant funds that would support such a move.

Dual Credit Articulated Program of Study (DCAPS)

Since DCAPS' implementation in spring 2012 to spring 2021, **304** students have been awarded postsecondary credits through the program.

Currently, proposed agreements in the career and technical education areas of Allied Health and Visual Communications are under review. GCC also wishes to increase the number of students with a Certificate of Mastery from a GCC career and technical education program who matriculate to GCC, availing themselves of the Dual Credit Articulated Programs of Study (DCAPS) program. Because many high school students do not continue in the same program as they pursued in high school, they are not eligible for DCAPS dual credits. For this reason, GCC continues its efforts to place students in its secondary CTE programs based on data from students' CHOICES skills and interests assessment results. Further, GCC is exploring the possibility of offering course-to-course articulation, so that GCC students, once pursuing postsecondary studies, can receive DCAPS credits regardless of their programs of study.

Table 1 provides a breakdown of the total number of DCAPS awardees from Fall 2017 to Spring 2021 by school. During that time, 182 students were awarded DCAPS - 18 from George Washington High School (Table 2), 29 from John F. Kennedy High School (Table 3), 51 from Okkodo High School (Table 4), 53 from Simon Sanchez High School (Table 5), 17 from Southern High School (Table 6), and 14 from Tiyan High School (Table 7).

Table 1. Number of DCAPS Awardees (Fall 2017 - Spring 2021)

GDOE High School	Number of DCAPS Awardees	Programs Where Postsecondary Credits Were Awarded
George Washington High School (GWHS)	18	<i>Automotive Service Technology, Computer Networking – Electronics, Construction Trades, Early Childhood Education, Lodging Management, Marketing, and Culinary</i>
John F Kennedy High School (JFK)	29	<i>Automotive Service Technology, Lodging Management, Marketing, and Culinary</i>
Okkodo High School (OHS)	51	<i>Computer Networking – Electronics, Lodging Management, Marketing, and Culinary</i>
Simon Sanchez High School (SSHS)	53	<i>Automotive Service Technology, Computer Networking – Electronics, Construction Trades, Lodging Management, Marketing, and Culinary</i>
Southern High School (SHS)	17	<i>Automotive Service Technology, Computer Networking – Electronics, Lodging Management, Marketing, and Culinary</i>
Tiyan High School (THS)	14	<i>Automotive Service Technology, Construction Trades, Lodging Management, and Marketing</i>
Total	182	

Table 2. GWHS – DCAPS Awardees per Program

George Washington High School	
Automotive	1
Electronics	1
Construction	1
Early Childhood Education	3
Lodging Management	5
Marketing	4
Culinary	3
TOTAL AWARDEES	18

Table 3. JFKHS - DCAPS Awardees per Program

John F. Kennedy High School	
Automotive	4
Construction	0
Lodging Management	14
Marketing	3
Culinary	8
TOTAL AWARDEES	29

Table 4. OHS - DCAPS Awardees per Program

Okkodo High School	
Automotive	0
Electronics	8
Construction	0
Lodging Management	10
Marketing	17
Culinary	16
TOTAL AWARDEES	51

Table 5. SSHS - DCAPS Awardees per Program

Simon Sanchez High School	
Automotive	1
Electronics	4
Construction	1
Lodging Management	26
Marketing	15
Culinary	6
TOTAL AWARDEES	53

Table 6. SHS - DCAPS Awardees per Program

Southern High School	
Automotive	2
Electronics	4
Construction	0
Lodging Management	1
Marketing	9
Culinary	1
TOTAL AWARDEES	17

Table 7. THS - DCAPS Awardees per Program

Tiyan High School	
Automotive	4
Electronics	0
Construction	1
Lodging Management	6
Marketing	3
TOTAL AWARDEES	14

By program, as illustrated by Table 8, Lodging Management had the largest number of awardees, with sixty-two (62). Marketing and Culinary were the other two programs with a large number of awardees, with fifty-one (51) and thirty-four (34), respectively. Electronics had seventeen (17), Automotive had twelve (12), and both Early Childhood Education and Construction had (3) awardees each.

Table 8. Number of DCAPS Awardees by Program Fall 2017 - Spring 2021)

CTE Programs	# of DCAPS Awardees
Lodging Management	62
Marketing	51
Culinary	34
Electronics	17
Automotive	12
Construction	3
Early Childhood Education	3
TOTAL AWARDEES	182

As illustrated by Table 9 below, at George Washington High School, eighteen (18) students received Certificates of Mastery (COM) in SY 2019-20. However, no students were awarded DCAPS credits in the following terms between Summer 2020 to Spring 2021. Since SY 2016-17, the conversion rate of Certificate of Mastery students being awarded postsecondary credits through DCAPS is around 18%.

Table 9. GWHS Certificate of Mastery Recipients vs. DCAPS Awardees*

Certificate of Mastery (COM)	2016-17	2017-18	2018-19	2019-20
Automotive	1	3	1	3
Electronics	0	0	1	3
Construction	0	0	0	0
Early Childhood Education	19	6	6	4
Lodging Management	5	5	3	7
Marketing	7	7	3	1
Culinary	7	5	5	0
Total Earned COM	39	26	19	18
DCAPS Awarded	SU2017 - SP18	SU2018 - SP19	SU2019 - SP20	SU2020 - SP21
Automotive	0	0	1	0
Electronics	1	0	0	0
Construction	0	1	0	0
Early Childhood Education	1	1	1	0
Lodging Management	2	3	0	0
Marketing	2	1	1	0
Culinary	3	0	0	0
TOTAL Awarded DCAPS	9	6	3	0

As illustrated by Table 10, at John F. Kennedy High School, fourteen (14) students received Certificates of Mastery (COM) in SY 2019-20 and two (2) students were awarded DCAPS credits in the following terms between Summer 2020 to Spring 2021, which is a conversion rate of around 14%. Since SY 2016-17, the conversion rate of Certificate of Mastery students being awarded postsecondary credits through DCAPS is around 30%.

Table 10. JFKHS Certificate of Mastery Recipients vs. DCAPS Awardees*

Certificate of Mastery (COM)	2016-17	2017-18	2018-19	2019-20
Automotive	5	5	5	1
Construction	2	4	1	2
Lodging Management	8	10	5	4
Marketing	8	6	1	4
Culinary	7	9	8	3
Total Earned COM	30	34	20	14
DCAPS Awarded	SU2017 - SP18	SU2018 - SP19	SU2019 - SP20	SU2020 - SP21
Automotive	0	2	2	0
Construction	0	0	0	0
Lodging Management	4	5	4	1
Marketing	0	3	0	0
Culinary	3	2	2	1
TOTAL Awarded DCAPS	7	12	8	2

As illustrated by Table 11 below, at Okkodo High School, forty-four (44) students received Certificates of Mastery (COM) in SY2019-20 and seven (7) students were awarded DCAPS credits in the following terms between Summer 2020 to Spring 2021, which is a conversion rate of around 16%. Since SY 2016-17, the conversion rate of Certificate of Mastery students being awarded postsecondary credits through DCAPS is around 29%.

Table 11. OHS Certificate of Mastery Recipients vs. DCAPS Awardees*

Certificate of Mastery (COM)	2016-17	2017-18	2018-19	2019-20
Automotive	0	0	0	0
Electronics	1	4	12	12
Construction	5	0	0	0
Lodging Management	13	4	2	12
Marketing	19	23	12	6
Culinary	16	13	6	14
Total Earned COM	54	44	32	44
DCAPS Awarded	SU2017 - SP18	SU2018 - SP19	SU2019 - SP20	SU2020 - SP21
Automotive	0	0	0	0
Electronics	1	0	6	1
Construction	0	0	0	0
Lodging Management	2	5	3	0
Marketing	1	7	9	0
Culinary	2	4	4	6
TOTAL Awarded DCAPS	6	16	22	7

As illustrated by Table 12 , at Simon Sanchez High School, thirty-three (33) students received Certificates of Mastery (COM) in SY 2019-20 and two (2) students were awarded DCAPS credits

in the following terms between Summer 2020 to Spring 2021, which is a conversion rate of around 6%. Since SY 2016-17, the conversion rate of Certificate of Mastery students being awarded postsecondary credits through DCAPS is around 31%.

Table 12. SSSH Certificate of Mastery Recipients vs. DCAPS Awardees*

Certificate of Mastery (COM)	2016-17	2017-18	2018-19	2019-20
Automotive	2	6	0	5
Electronics	0	4	4	9
Construction	5	0	1	0
Lodging Management	23	17	13	10
Marketing	12	9	14	5
Culinary	9	7	10	4
Total Earned COM	51	43	42	33
DCAPS Awarded	SU2017 - SP18	SU2018 - SP19	SU2019 - SP20	SU2020 - SP21
Automotive	0	0	1	0
Electronics	0	1	3	0
Construction	0	1	0	0
Lodging Management	11	9	6	0
Marketing	5	5	4	1
Culinary	0	2	3	1
TOTAL Awarded DCAPS	16	18	17	2

As illustrated by Table 13 below, at Southern High School, seven (7) students received Certificates of Mastery (COM) in SY 2019-20 and one (1) student was awarded DCAPS credits in the following terms between Summer 2020 to Spring 2021, which is a conversion rate of around 14%. Since SY 2016-17, the conversion rate of Certificate of Mastery students being awarded postsecondary credits through DCAPS is around 26%.

Table 13. SHS Certificate of Mastery Recipients vs. DCAPS Awardees*

Certificate of Mastery (COM)	2016-17	2017-18	2018-19	2019-20
Automotive	1	1	2	1
AutoBody	2	0	0	n/a
Electronics	3	1	5	0
Construction	5	0	0	n/a
Lodging Management	0	3	1	1
Marketing	9	15	8	5
Culinary	0	2	0	0
Total Earned COM	20	22	16	7
DCAPS Awarded	SU2017 - SP18	SU2018 - SP19	SU2019 - SP20	SU2020 - SP21
Automotive	1	0	1	0
AutoBody	0	0	0	0
Electronics	1	1	2	0
Construction	0	0	0	0
Lodging Management	0	0	1	0
Marketing	2	1	5	1
Culinary	0	1	0	0
TOTAL Awarded DCAPS	4	3	9	1

As illustrated by Table 14 below, at Tiyan High School, eighteen (18) students received the Certificates of Mastery (COM) in SY 2019-20 and four (4) students were awarded DCAPS credits in the following terms between Summer 2020 to Spring 2021, which is a conversion rate of around 22%. Since SY 2016-17, the conversion rate of Certificate of Mastery students being awarded postsecondary credits through DCAPS is around 27%.

Table 14. THS Certificate of Mastery Recipients vs. DCAPS Awardees*

Certificate of Mastery (COM)	2016-17	2017-18	2018-19	2019-20
Automotive	1	0	7	5
Electronics	0	0	0	n/a
Construction	0	2	1	0
Lodging Management	0	2	10	11
Marketing	5	4	1	2
Total Earned COM	6	8	19	18
DCAPS Awarded	SU2017 - SP18	SU2018 - SP19	SU2019 - SP20	SU2020 - SP21
Automotive	1	0	2	2
Electronics - Computer Networking	0	0	0	0
Construction	0	1	0	0
Lodging Management	0	1	3	2
Marketing	0	2	1	0
TOTAL Awarded DCAPS	1	4	5	4

Table 15 below provides the conversion rates of Certificate of Mastery students from each high school who were awarded postsecondary credits through DCAPS. Since SY 2016-17, among all six GDOE high schools, **659** students received Certificates of Mastery and 182 students were awarded postsecondary credits through DCAPS, which is an overall conversion rate of around **28%**.

Table 15. COM Recipients converted to DCAPS Awardees conversion rate for Fall 2017 – Spring 2021

School Year	GWHS	JFKHS	OHS	SSHS	SHS	THS	Overall
2016-2017	39	30	54	51	20	6	200
2017-2018	26	34	44	43	22	8	177
2018-2019	19	20	32	42	16	19	148
2019-2020	18	14	44	33	7	18	134
Total COM Per High School	102	98	174	169	65	51	659
Awarded DCAPS as of Spring 2021	18	29	51	53	17	14	182
Conversion Rates (DCAPS/COM)	18%	30%	29%	31%	26%	27%	28%

Classroom Learning Yields Math and English Readiness (CLYMER)

The CLYMER program allows students who meet the eligibility requirements of completing certain Math and English courses with a “B” or better and maintaining a 3.2 or better GPA the option of registering directly into MA110 Finite Mathematics or MA161A College Algebra and Trigonometry I and/or EN110 Freshman Composition without taking a placement test.

The vast majority of CLYMER participants continue to step up to the challenge and successfully complete their college level courses with a grade of a “C” or better.

The overall success rates of the CLYMER program since its implementation are as follows:

- 475 of 519 students, or approximately 92% of CLYMER students successfully completed EN110 Freshman Composition with a grade of “C” or better.
 - 418 of 519 students, or approximately 81% of CLYMER students successfully completed EN110 Freshman Composition with a grade of “B” or better.
- 299 of 338 students, or approximately 88% of CLYMER students successfully completed MA110 Finite Mathematics with a grade of “C” or better.
 - 255 of 338 students, or approximately 75% of CLYMER students successfully completed MA110 Finite Mathematics with a grade of “B” or better.
- 33 of 40 students, or approximately 83% of CLYMER students successfully completed MA161A College Algebra and Trigonometry I with a grade of “C” or better.
 - 29 of 40 students, or approximately 73% of CLYMER students successfully completed MA161A College Algebra and Trigonometry I with a grade of “B” or better.

Success Rates of CLYMER Students - Academic Year 2020-2021

For Academic Year 2020-2021, the results of the CLYMER participants were analyzed and the results are as follows:

- ***The overall success rate of students for EN110 is around 94%, with 31 of 33 students successfully completing EN110 with a grade of a “C” or better.***
- ***The overall success rate of students for MA110 is around 90%, with 28 of 31 students successfully completing EN110 with a grade of a “C” or better.***
- ***The overall success rate of students for MA161A is 50%, with 2 of 4 students successfully completing EN110 with a grade of a “C” or better.***

However, if we were to focus on success rates of CLYMER students who earned a grade of a “B” or better, the results are as follows:

- ***76% of EN110 CLYMER students successfully completed with a grade of “B” or better.***
- ***77% of MA110 CLYMER students successfully completed with a grade of “B” or better.***
- ***25% of MA161A CLYMER students successfully completed with a grade of “B” or better.***

EN110 Freshman Composition

As seen below in Table 16, 28 of 29 students, or approximately 97% of CLYMER students successfully completed EN110 Freshman Composition in Fall 2020 with a grade of “C” or better. Furthermore, 24 of 29 students, or approximately 83% of CLYMER students successfully completed EN110 Freshman Composition in Fall 2020 with a grade of “B” or better.

Table 16. EN110 - CLYMER Success Rates, Fall 2020

EN110 - FA2020	A	B	C	D	F	Total	Completers C >	Success Rate (C >)	Completers B >	Success Rate (B >)
GWHS	1	2	1			4	4	100%	3	75%
JFKHS	2	4	1			7	7	100%	6	86%
SSHS	n/a					0	0		0	
OHS	3	2				5	5	100%	5	100%
THS	2	2	1			5	5	100%	4	80%
SHS	3	2	1	1		7	6	86%	5	71%
AOLG	1					1	1	100%	1	100%
Overall Total per Grade	12	12	4	1	0	29	28	Overall Success Rate (C >)	24	Overall Success Rate (B >)
%	41%	41%	14%	3%	0%			97%		83%

As seen below in Table 17, 2 of 3 students, or approximately 67% of CLYMER students successfully completed EN110 Freshman Composition in Spring 2021 with a grade of “C” or better. Furthermore, 1 of 3 students, or approximately 33% of CLYMER students successfully completed EN110 Freshman Composition in Spring 2021 with a grade of “B” or better.

Table 17. EN110 - CLYMER Success Rates, Spring 2021

EN110 - SP2021	A	B	C	D	F	Total	Completers C >	Success Rate (C >)	Completers B >	Success Rate (B >)
GWHS			1			1	1	100%	0	0%
SHS	1				1	2	1	50%	1	50%
Overall Total per Grade	1	0	1	0	1	3	2	Overall Success Rate (C >)	1	Overall Success Rate (B >)
%	33%	0%	33%	0%	33%			67%		33%

As seen in Table 18, 31 of 33 students, or approximately 94% of CLYMER students successfully completed EN110 Freshman Composition during Academic Year 2020-2021 with a grade of “C” or better. Furthermore, 25 of 33 students, or approximately 76% of CLYMER students successfully completed EN110 Freshman Composition during Academic Year 2020-2021 with a grade of “B” or better. **There were no CLYMER students during the Summer 2021 term.*

Table 18. EN110 - CLYMER Success Rates, AY 2020-2021

EN110 FA2020 - SP2021	A	B	C	D	F	Total	Completers C >	Success Rate (C >)	Completers B >	Success Rate (B >)
GWHS	1	2	2			5	5	100%	3	60%
JFKHS	2	4	1			7	7	100%	6	86%
OHS	3	2				5	5	100%	5	100%
THS	2	2	1			5	5	100%	4	80%
NDHS	1					1	1			
SHS	4	2	1	1	1	9	7	78%	6	67%
AOLG	1					1	1	100%	1	100%
Overall Total per Grade	14	12	5	1	1	33	31	Overall Success Rate (C >)	25	Overall Success Rate (B >)
%	42%	36%	15%	3%	0%			94%		76%

MA110 Finite Mathematics

As seen below in Table 19, 25 of 26 students, or approximately 96% of CLYMER students successfully completed MA110 Finite Mathematics in Fall 2020 with a grade of “C” or better. Furthermore, 22 of 26 students, or approximately 85% of CLYMER students successfully completed MA110 Finite Mathematics in Fall 2020 with a grade of “B” or better.

Table 19. MA110 - CLYMER Success Rates, Fall 2020

MA110 - FA2020	A	B	C	D	F	Total	Completers C >	Success Rate (C >)	Completers B >	Success Rate (B >)
GWHS	3					3	3	100%	3	100%
JFKHS	4	2				6	6	100%	6	100%
OHS	3				1	4	3	75%	3	75%
THS	3	1				4	4	100%	4	100%
SHS	2	1	3			6	6	100%	3	50%
NDHS	2					2	2	100%	2	100%
AOLG	1					1	1	100%	1	100%
Overall Total per Grade	18	4	3	0	1	26	25	Overall Success Rate (C >)	22	Overall Success Rate (B >)
%	69%	15%	12%	0%	4%			96%		85%

As seen in Table 20, 3 of 5 students, or 60% of CLYMER students successfully completed MA110 Finite Mathematics in Spring 2021 with a grade of “C” or better. Furthermore, 2 of 5 students, or 40% of CLYMER students successfully completed MA110 Finite Mathematics in Spring 2021 with a grade of “B” or better.

Table 20. MA110 - CLYMER Success Rates, Spring 2021

MA110 - SP2021	A	B	C	D	F	Total	Completers C >	Success Rate (C >)	Completers B >	Success Rate (B >)
GWHS			1		1	2	1	50%	0	0%
OHS		1				1	1	100%	1	100%
SHS					1	1	0	0%	0	0%
GHS	1					1	1	100%	1	100%
Overall Total per Grade	1	1	1	0	2	5	3	Overall Success Rate (C >)	2	Overall Success Rate (B >)
%	20%	20%	20%		40%			60%		40%

As seen below in Table 21, 28 of 31 students, or approximately 90% of CLYMER students successfully completed MA110 Finite Mathematics during Academic Year 2020-2021 with a grade of “C” or better. Furthermore, 24 of 31 students, or approximately 77% of CLYMER students successfully completed MA110 Finite Mathematics during Academic Year 2020-2021 with a grade of “B” or better. **There were no CLYMER students during the Summer 2021 term.*

Table 21. MA110 - CLYMER Success Rates, AY 2020-2021

MA110 FA2020- SP2021	A	B	C	D	F	Total	Completers C >	Success Rate (C >)	Completers B >	Success Rate (B >)
GWHS	3		1		1	5	4	80%	3	60%
JFKHS	4	2				6	6	100%	6	100%
OHS	3	1			1	5	4	80%	4	80%
THS	3	1				4	4	100%	4	100%
SHS	2	1	3		1	7	6	86%	3	43%
GHS	1					1	1	100%	1	100%
NDHS	2					2	2	100%	2	100%
AOLG	1					1	1	100%	1	100%
Overall Total per Grade	19	5	4	0	3	31	28	Overall Success Rate (C >)	24	Overall Success Rate (B >)
%	61%	16%	13%	0%	10%			90%		77%

MA161A College Algebra and Trigonometry I

As seen in Table 22, 1 of 3 students, or approximately 33% of CLYMER students successfully completed MA161A College Algebra and Trigonometry I in Fall 2020 with a grade of “C” or better. Furthermore, 1 of 3 students, or approximately 33% of CLYMER students successfully completed MA161A College Algebra and Trigonometry I in Fall 2020 with a grade of “B” or better.

Table 22. MA161A - CLYMER Success Rates, Fall 2020

MA161A -FA2020	A	B	C	D	F	Total	Completers C >	Success Rate (C >)	Completers B >	Success Rate (B >)
OHS	1				1	2	1	50%	1	50%
SHS				1		1	0	0%	0	0%
Overall Total per Grade	1	0	0	1	1	3	1	Overall Success Rate (C >)	1	Overall Success Rate (B >)
%	33%	0%	0%	33%	33%			33%		33%

As seen below in Table 23, 1 of 1 student, or approximately 100% of CLYMER students successfully completed MA161A College Algebra and Trigonometry I in Spring 2021 with a grade of “C” of better. Furthermore, 0 of 1 student, or 0% of CLYMER students successfully completed MA161A College Algebra and Trigonometry I in Spring 2021 with a grade of “B” of better.

Table 23. MA161A - CLYMER Success Rates, Spring 2021

MA161A-SP2021	A	B	C	D	F	Total	Completers C >	Success Rate (C >)	Completers B >	Success Rate (B >)
JFKHS			1			1	1	100%	0	0%
Overall Total per Grade	0	0	1	0	0	1	1	Overall Success Rate (C >)	0	Overall Success Rate (B >)
%	0%	0%	100%	0%	0%			100%		0%

As seen below in Table 24, 2 of 4 students, or 50% of CLYMER students successfully completed MA161A College Algebra and Trigonometry I during Academic Year 2020-2021 with a grade of “C” of better. Furthermore, 1 of 4 students, or 25% of CLYMER students successfully completed MA161A College Algebra and Trigonometry I during Academic Year 2020-2021 with a grade of “B” of better. **There were no CLYMER students during the Summer 2021 term.*

Table 24. MA161A - CLYMER Success Rates, AY 2020-2021

MA161A FA2020- SP2021	A	B	C	D	F	Total	Completers C >	Success Rate (C >)	Completers B >	Success Rate (B >)
JFKHS			1			1	1	100%	0	0%
OHS	1				1	2	1	50%	1	50%
SHS				1		1	0	0%	0	0%
Overall Total per Grade	1	0	1	1	1	4	2	Overall Success Rate (C >)	1	Overall Success Rate (B >)
%	25%	0%	25%	25%	25%			50%		25%