

Early Middle College

Category: Early Middle College

Program Mission and Description

GCC's Early Middle College is a program that provides secondary students the opportunity to obtain postsecondary education and accelerate their job training to become skilled workers. EMC students will take college courses identified in their career pathway with their required high school courses to earn stackable credentials. EMC students will participate in wraparound services to support their academic needs and to overcome social and economic barriers unique to their population. These wraparound services will also focus on EMC students' transition into the college-level mindset and their employability after graduation. This program prepares EMC graduates to be skillful, ethical, and professional for entry-level positions with a certificate of mastery, program certificate or associates degree, and other certifications related to their identified career pathway.

For secondary students, a portion of the requirements will be provided by the Dual Credit Articulated Programs of Study [DCAPS] and its Dual Enrollment Accelerated Learning [DEAL] program. The DCAPS involves the (11) Career and Technical Education programs available in Guam's six public high schools: Allied Health; Automotive; AutoCAD; Construction; Early Childhood Education; Electronics; Lodging Management Program (Tourism); Marketing; ProStart (Culinary); Telecommunications, and Visual Communication. Under DCAPS, students enrolled in the GCC CTE program will earn from three to 15 college credits in the corresponding GCC postsecondary program. Under the DEAL program, eligible students are allowed to enroll in college math and English courses concurrently with high school classes and to receive both high school and college credit simultaneously. Upon successful completion of these college course(s), the student will receive credit for the corresponding high school course AND receive college credit. The career pathway identified below addresses the community need for skilled workers in Guam's construction industry as well as infrastructure technology (IT).

Program Student Learning Outcomes (SLOs):

Upon successful completion of this program, students will be able to:

1. Transition into the postsecondary environment earning college credentials leading to employment.
2. Utilize skills necessary for entry-level positions in the identified career pathway.
3. Demonstrate soft skills to be marketable and employable in an ever-changing workforce setting.

Certificate in Construction Technology Carpentry			
Semester Term	High School DCAPS	DCAPS Equivalency	After High School Courses
10th Grade Fall	CTCT053-1A Introduction to Carpentry	CT153 (3) + CT173 (3) + CT140 (3)	Reach for College Workshop + CT100 (3) Introduction to Construction Trades
10th Grade Spring	CTCT053-1B Introduction to Carpentry		AE103 (3) Basic Blueprint Reading HL130 (1) First Aid and Safety
Summer			AE121 (2) Technical Engineering Drawing I
11th Grade Fall	CTCT073-2A Carpentry		CT183 (3) Finishing
11th Grade Spring	CTCT073-2B Carpentry		CT154A (3) Masonry
Summer			Construction Elective (Any CE/AE/CT course not listed)
12th Grade Fall			MA094 (4) Math for Trades
12th Grade Spring			CT292 (3) Construction

Practicum

Certificate in Construction Technology Masonry

Semester Term	High School DCAPS	DCAPS Equivalency	After High School Courses
10th Grade Fall	CTCT053-1A Introduction to Carpentry	CT153 (3) + CT173 (3) + CT140 (3)	Reach for College Workshop + CT100 (3) Introduction to Construction Trades
10th Grade Spring	CTCT053-1B Introduction to Carpentry		AE103 (3) Basic Blueprint Reading HL130 (1) First Aid and Safety
11th Grade Fall	CTCT073-2A Carpentry		CT154A (4) Masonry Level I
11th Grade Spring	CTCT073-2B Carpentry		CT154B (4) Masonry Level II
Summer			Construction Elective (Any CE/AT/CT course not listed)
12th Grade Fall			MA094 (4) Math for Trades
12th Grade Spring			CT292 (3) Construction Practicum

Certificate in Construction Technology Reinforcing Metal Worker

Semester Term	High School DCAPS	DCAPS Equivalency	After High School Courses
10th Grade Fall	CTCT053-1A Introduction to Carpentry	CT153 (3) + CT173 (3) + CT140 (3)	Reach for College Workshop + CT100 (3) Introduction to Construction Trades
10th Grade Spring	CTCT053-1B Introduction to Carpentry		AE103 (3) Basic Blueprint Reading HL130 (1) First Aid and Safety
11th Grade Fall	CTCT073-2A Carpentry		CT154A (4) Masonry Level I
11th Grade Spring	CTCT073-2B Carpentry		CT196A (4) Fundamentals of Oxyacetylene Welding I
Summer			Construction Elective (Any CE/AT/CT course not listed)
12th Grade Fall			MA094 (4) Math for Trades
12th Grade Spring			CT292 (3) Construction Practicum

Certificate in Construction Technology Electricity

Semester Term	High School DCAPS	DCAPS Equivalency	After High School Courses
10th Grade Fall	CTCT053-1A Introduction to Carpentry	CT153 (3) + CT173 (3) + CT140 (3)	Reach for College Workshop + CT100 (3) Introduction to Construction Trades
10th Grade Spring	CTCT053-1B Introduction to Carpentry		AE103 (3) Basic Blueprint Reading HL130 (1) First Aid and Safety
Summer			CT165A(4) Electricity Level I
11th Grade Fall	CTCT073-2A Carpentry		CT165B(4) Electricity Level II
11th Grade Spring	CTCT073-2B Carpentry		CT165C(4) Electricity

Summer			Level III MA094 (4) Math for Trades
12th Grade Fall			CT165D(4) Electricity
12th Grade Spring			Level IV CT292 (3) Construction Practicum
Certificate in Construction Technology Heating, Ventilation, and Air Conditioning (HVAC)			
Semester Term	High School DCAPS	DCAPS Equivalency	After High School Courses
10th Grade Fall	CTCT053-1A Introduction to Carpentry	CT153 (3) + CT173 (3) + CT140 (3)	Reach for College Workshop + CT100 (3) Introduction to Construction Trades
10th Grade Spring	CTCT053-1B Introduction to Carpentry		AE103 (3) Basic Blueprint Reading HL130 (1) First Aid and Safety
11th Grade Fall	CTCT073-2A Carpentry		CT185A (5) Refrigeration and Air Conditioning Level I
11th Grade Spring	CTCT073-2B Carpentry		CT185B (5) Refrigeration and Air Conditioning Level II
Summer			MA094 (4) Math for Trades
12th Grade Fall			CT185C (5) Refrigeration and Air Conditioning Level III
12th Grade Spring			CT292 (3) Construction Practicum
Certificate in Construction Technology Plumbing			
Semester Term	High School DCAPS	DCAPS Equivalency	After High School Courses
10th Grade Fall	CTCT053-1A Introduction to Carpentry	CT153 (3) + CT173 (3) + CT140 (3)	Reach for College Workshop + CT100 (3) Introduction to Construction Trades
10th Grade Spring	CTCT053-1B Introduction to Carpentry		AE103 (3) Basic Blueprint Reading HL130 (1) First Aid and Safety
11th Grade Fall	CTCT073-2A Carpentry		CT152 (4) Fundamentals of Plumbing
11th Grade Spring	CTCT073-2B Carpentry		CT152A(4) Plumbing Level I
Summer			MA094 (4) Math for Trades
12th Grade Fall			CT182 (3) Uniform Plumbing Code
12th Grade Spring			CT292 (3) Construction Practicum
Certificate in Construction Technology Welding			
Semester Term	High School DCAPS	DCAPS Equivalency	After High School Courses
10th Grade Fall	CTCT053-1A Introduction to Carpentry	CT153 (3) + CT173 (3) + CT140 (3)	Reach for College Workshop + CT100 (3) Introduction to Construction Trades
10th Grade Spring	CTCT053-1B		AE103 (3) Basic Blueprint

Summer	Introduction to Carpentry		Reading HL130 (1) First Aid and Safety CT196A(4) Fundamentals of Oxyacetylene Welding I CT196B(4) Fundamentals of Oxyacetylene Welding I CT197A(4) Shielded Metal Arc Welding I MA094 (4) Math for Trades CT197B(5) Shielded Metal Arc Welding II CT292 (3) Construction Practicum
11th Grade Fall	CTCT073-2A Carpentry		
11th Grade Spring	CTCT073-2B Carpentry		
Summer			
12th Grade Fall			
12th Grade Spring			
Certificate in Computer Science			
Semester Term	High School DCAPS	DCAPS Equivalency	After High School Courses
10th Grade Fall	CTTE101 Intro to Comp Systems and Info Tech	CS101 (3) CS112 (3) CS205 (4) CS206 (3)	Reach for College Workshop + CS102 (3) Computer Operations
10th Grade Spring	CTTE102 Javascript Programming	CS211 (3) CS212 (3)	CS110 (3) Introduction to the Internet
Summer		*One of the extra classes will count as a technical elective	CS151 (3) Windows Application
11th Grade Fall	CTTE103 Java I		SM108 (3) Introduction to Business
11th Grade Spring	CTTE104 Python Programming		MA110A (3) Finite Mathematics
Summer			EN110 (3) Freshman Composition
12th Grade Fall	CTTE105 Intro to Linux		OA211 (3) Business Communication
12th Grade Spring	CTTE106 Network Communications		CS290/292 (3) Practicum/Project
Associate of Science in Computer Science			
Semester Term	High School DCAPS	DCAPS Equivalency	After High School Courses
10th Grade Fall	CTTE101 Intro to Comp Systems and Info Tech	CS101 (3) CS112 (3) CS205 (4) CS206 (3) CS211 (3) CS212 (3)	Reach for College Workshop + CS102 (3) Computer Operations
10th Grade Spring	CTTE102 Javascript Programming	*One of the extra classes will count as a technical elective	PY100 (3) Personal Adjustment
Summer			CS110 (3) Introduction to the Internet
			CS104 (3) Visual Basic Programming
			CS151 (3) Windows Application
			Humanities & Fine Arts (3-4)
11th Grade Fall	CTTE103 Java I		SM108 (3) Introduction to Business
			CS203 (3) Systems Analysis & Design
11th Grade Spring	CTTE104 Python Programming		MA110a (3) Finite Mathematics
			CS204 (3) C++

Summer			Programming EN110 (3) Freshman Composition OA211 (3) Business Communication Natural & Physical Science (4)
12th Grade Fall	CTTE105 Intro to Linux		
12th Grade Spring	CTTE106 Network Communications		CS299 (4) Capstone CS213 (3) PHP Programming w/ MySQL
Certificate and Associate of Science in Computer Science			
Semester Term	High School DCAPS	DCAPS Equivalency	After High School Courses
10th Grade Fall	CTTE101 Intro to Comp Systems and Info Tech	CS101 (3) CS112 (3) CS205 (4) CS206 (3)	Reach for College Workshop + CS102 (3) Computer Operations
10th Grade Spring	CTTE102 Javascript Programming	CS211 (3) CS212 (3)	CS110 (3) Introduction to the Internet
Summer		*One of the extra classes will count as an elective	CS151 (3) Windows Application
11th Grade Fall	CTTE103 Java I		SM108 (3) Introduction to Business
11th Grade Spring	CTTE104 Python Programming		MA110A (3) Finite Mathematics
Summer			EN110 (3) Freshman Composition
12th Grade Fall	CTTE105 Intro to Linux		OA211 (3) Business Communication
12th Grade Spring	CTTE106 Network Communications		CS290/292 (3) Practicum/Project
Fall Semester After HS Graduation		Spring Semester After HS Graduation	
CS104	Visual Basic Programming 3	CS299	Computer Science 4 Capstone
CS203	Systems Analysis & Design 3	PY100	Social & Behavioral 3 Science
CS204	C++ Programming 3		Humanities & Fine Arts 3-4
CS213	PHP Programming with MySQL 3		Natural & Physical Science 4
Summer - Semester 1		Fall - Semester 2	Spring - Semester 3
College Success Seminar to show students (but not limited to) how to study, take notes, fill out study packets, and manage time. This is to be taken before any college classes.		<ul style="list-style-type: none"> Sessions with Success Coach and Career Counselor (3 to 4 times a week) to provide support for academic and social needs within a cohort. Tutoring Services as needed. Social Emotional Learning activities embedded in the program 	<ul style="list-style-type: none"> Sessions with Success Coach and Career Counselor (3 to 4 times a week) to provide support for academic and social needs within a cohort. Tutoring Services as needed. Social Emotional Learning activities embedded in the program
Summer - Semester 4		Fall - Semester 5	Spring - Semester 6
		<ul style="list-style-type: none"> Sessions with Success Coach and Career Counselor (2 times a week) 	<ul style="list-style-type: none"> Sessions with Success Coach and Career Counselor (once a week) to

Summer - Semester 7	<p>to provide support for academic and social needs within groups based on program of study.</p> <ul style="list-style-type: none">• Tutoring Services as needed• Social Emotional Learning activities embedded in the program• Work Experience Program	<p>provide support for academic and social needs within groups based on program of study.</p> <ul style="list-style-type: none">• Tutoring Services as needed• Social Emotional Learning activities embedded in the program• Work Experience Program
	Fall - Semester 8 <ul style="list-style-type: none">• Sessions with Success Coach and Career Counselor (once biweekly) to provide support for academic and social needs within groups based on program of study.• Tutoring Services as needed• Social Emotional Learning activities embedded in the program• Paid Work Experience Program	Spring - Semester 9 <ul style="list-style-type: none">• Sessions with Success Coach and Career Counselor (once biweekly) to provide support for academic and social needs within groups based on program of study.• Tutoring Services as needed• Social Emotional Learning activities embedded in the program• Paid Work Experience Program