

Bachelor of Science in Career and Technical Education

The Bachelor of Science in Career and Technical Education (BS CTE) program aims to produce high-quality CTE educators who will possess technical expertise, pedagogical competencies and values to effectively teach 21st century skills, using culturally-responsive teaching, to diverse learners. The program conforms to the standards of the Association for Advancing Quality in Educator Preparation (AAQEP) and the National Board of Professional Teaching Standards (NBPTS-CTE). As designed, the program provides students with the necessary tools to seek employment in K-12, trade and technical schools, community colleges, and in industry or business environments. This program offers students the opportunity to articulate an Associate Degree in any career and technical education field of study to GCC's Bachelor of Science in CTE. It also prepares students for CTE teaching certification with the Guam Educator Commission for Certification.

Refer to the Advance CTE website for additional information on Career and Technical Education (www.careertech.org).

Program Student Learning Outcomes (SLOs):

Upon successful completion of the BS in Career and Technical Education, students will be able to:

1. Create an engaging classroom environment aligned to the needs of diverse learners.
2. Plan, develop, and deliver curriculum that is based on rigorous and relevant expectations and culturally-relevant teaching methodology.
3. Integrate into instruction effective and research-based teaching and learning principles embedded with best assessment practices and use of technology.
4. Apply leadership and ethical principles in the implementation and management of CTE programs.

General Education Requirements		
English		
Course #	Course Name	Credits
English (Choose 1)		
EN110A	Freshman Composition with Instructional Lab	4
EN110	Freshman Composition	3
Course	Course Name	Credits
EN111	Writing for Research	3
EN300	Writing for Educators	3
Mathematics		
Course #	Course Name	Credits
MA115 (or higher)	Fundamentals of College Algebra	3
MA151	Introductory Statistics	3
MA385	Applied Statistics	3
Literacy for Life Skills		
Course #	Course Name	Credits
CO110	Critical Thinking for Civic Engagement	3
Humanities & Fine Arts		
Course #	Course Name	Credits
ED265	Culture and Education in Guam	3
CO125	Introduction to Human Communication and Speech	3

General Education Requirements (Continued)		
Natural & Physical Sciences (Choose one course and the corresponding lab from the following to meet the required 4 credits)**		
Course #	Course Name	Credits
SI101/101L	Introduction to Chemistry (3) & Introduction to Chemistry Laboratory (1)	4
SI103/103L	Introduction to Marine Biology (3) & Introduction to Marine Biology Laboratory (1)	
SI105/105L	Introduction to Physical Geology (3) & Introduction to Physical Geology Laboratory (1)	

SI110/110L	Environmental Biology: Theory (3) & Environmental Biology: Laboratory (1)	
SI141	Applied Physics I	
SI 150/150L	Introduction to Microbiology: Theory (3) & Introduction to Microbiology: Laboratory (1)	
SI131/131L	Human Anatomy & Physiology I: Theory (3) & Human Anatomy & Physiology I Laboratory (1)	
SI132/132L	Human Anatomy & Physiology II: Theory(3) & Human Anatomy & Physiology II Laboratory (1)	
**The exception to this would be SI141 which does not include a laboratory requirement		
Social & Behavioral Sciences		
Course #	Course Name	Credits
PY120	General Psychology	3
PY325	Work Ethic in Career and Technical Fields	3
Minimum General Education Requirements		37-38
Major Requirements		
Course	Course Name	Credits
	CTE Area of Study	40
ED150	Introduction to Teaching	3
ED220	Human Growth & Development	3
ED300	Principles of Adult Teaching & Learning	3
CTE299A	Praxis I Review Part A	2
CTE299B	Praxis I Review Part B	1
CTE300	Introduction to Teaching CTE	3
CTE310	CTE Methods of Teaching I: Planning and Preparation	3
CTE320	Classroom and CTE Laboratory Management	3
CTE330	Educational Technology	3
CTE340	CTE Methods of Teaching II: Instructional Delivery	3
CTE350	Assessment and Standards-Based Grading	3
CTE400	Program Management and Leadership	3
CTE410	Methods of Teaching III: Project-Based Learning	3
CTE492	Student Teaching-CTE	12
CTE498	Praxis III Principles of Learning and Teaching	2
CTE499	Introduction to Action Research	3
Total		93
Program Total		130-131

*For students holding an Associate's or a Bachelor's degree in a CTE field of study and have transferred in at least 52 college credits in their respective CTE field and some General Education requirements. Each student situation will differ.