The list contains courses with pre-requisites, so students should make their choices carefully and thoughtfully. Students may consult a counselor or an academic advisor for guidance in choosing any of the course options listed.

IMPORTANT NOTE: Some programs require different levels of coursework to meet General Education requirements, please review the individual programs for more information.

A Statement on Student Learning Outcomes (SLOs)
Program Student Learning Outcomes follow each program description in the following pages. SLOs intentionally describe the 3-5 central goals that students will have attained by the end of the program. In essence, SLOs encapsulate the knowledge, skills, and attitudes that students are expected to learn from their respective programs. The focus is on what students can do with what they have learned and this outcome should be evaluated in some way. Primarily, three questions essentially frame the articulation of SLOs:

1. What do students know? (cognitive domain)
2. What do they think and value? (affective domain)
3. What can they do? (behavioral domain)

In this catalog, program SLOs describe the broadest goals for the program, particularly those that require higher-level thinking. They, therefore, require students to synthesize many discrete skills or areas of content. SLOs also ask students to produce artifacts such as term papers, projects, portfolios, demonstrations, exams or other student work. Most importantly, SLOs also need to be evaluated or assessed in some way so that accountability and improvement remain the hallmarks of a good program. A separate SLO Booklet is published and updated regularly to guide faculty in helping students achieve articulated course outcomes.

The College, in close collaboration with faculty and members of Advisory committees, continues to embark on an ongoing institutional effort to revise and update all its curriculum documents so that they remain responsive to industry and community needs.

SLO Mapping - ILO, PROGRAM, AND COURSE LEVELS
SLOs also align with collective program and institution level expectations for student learning translated into the curriculum and co-curriculum. Most importantly, these SLOs map to the curriculum, co-curriculum and other educational practices that provide students multiple opportunities for meaningful learning. SLO maps developed for three (3) different levels – ILOs, program, and course -- reflect the desired goals of learning experiences that the College continues to intentionally develop, structure, deliver, and evaluate on an ongoing basis.

GENERAL EDUCATION
Scope 1: Skills for and Application of Lifelong Learning

Freshman Composition (Choose one course from the following to meet the required 3-4 credits)		
Course #	**Course Name**	**Credits**
EN 110	Freshman Composition	3
EN110A	Freshman Composition with Instructional Lab	4
EN 111	Writing for Research	3
Mathematics (Choose one course from the following to meet the required 3-4 credits)*		
Course #	**Course Name**	**Credits**
MA 110A	Finite Mathematics	3
MA 115	Fundamentals of College Algebra	3
MA 161A	College Algebra & Trigonometry I	4
*Any college level math will be considered for the completion of this category		
Literacy for Life Skills (Choose one course from the following to meet the required 3 credits)		
Course #	**Course Name**	**Credits**
CO 110	Critical Thinking for Civic Engagement	3
CS 151	Windows Applications	
CS 152	Macintosh Applications	
Scope 2: Broad Comprehension of the Development of Knowledge, Practice and Interpretation		
Humanities & Fine Arts (Choose one course from the following to meet the required 3-4 credits)*		
Course #	**Course Name**	**Credits**
ASL 100	American Sign Language I	4
CH 110	Chamorro I	4
ED 265	Culture & Education in Guam	3
EN 125	Introduction to Human Communication and Speech	3
EN 210	Introduction to Literature	3
HI 121	World Civilization (Pre-historic Time to 1500) (pending name change)	3
HI 122	World Civilization (Pre-historic Time to 1500)I (pending name change)	3
HI 176	Guam History	3
HM 110	Introduction to Community Services	3
HM 201	Social Welfare & Development	3
HU 120	Pacific Cultures	3
HU 220	Guam Cultures & Legends	3
JA 110	Japanese I	4
KE 110	Korean I	4
PI 101	Introduction to Philosophy	3
TH 101	Introduction to the Theater	3
VC 101	Introduction to Visual Communications	3
*Any foreign language, humanities, or fine arts course will be considered for the completion of this category		

Natural & Physical Sciences (Choose one course and the corresponding lab from the following to meet the required 4 credits)**		
Course #	**Course Name**	**Credits**
SI 101/101L	Introduction to Chemistry (3) & Introduction to Chemistry Laboratory (1)	4
SI 103/103L	Introduction to Marine Biology (3) & Introduction to Marine Biology Laboratory (1)	
SI 105/105L	Introduction to Physical Geology (3) & Introduction to Physical Geology Laboratory (1)	
SI 110/110L	Environmental Biology (3) & Environmental Biology Laboratory (1)	
SI 141	Applied Physics I	
SI 150/150L	Introduction to Microbiology (3) & Introduction to Microbiology Laboratory (1)	
SI131/131L	Human Anatomy & Physiology I (3) & Human Anatomy & Physiology I Laboratory (1)	
SI132/132L	Human Anatomy & Physiology II (3) & Human Anatomy & Physiology II Laboratory (1)	
**The exception to this would be SI141 which does not include a laboratory requirement		
Scope 3: Preparation for and Acceptance of Responsible Participation in Civil Society		
Social & Behavioral Sciences (Choose one course from the following to meet the required 3 credits)		
Course #	**Course Name**	**Credits**
EC 110	Principles of Economics	3
PS140	American Government	3
PY 100	Personal Adjustment	3
PY 120	General Psychology	3
PY 125	Interpersonal Relations	3
SO 130	Introduction to Sociology	3
CJ 100	Introduction to Criminal Justice	3
WG 101	Introduction to Women and Gender Studies	3
*Any social and behavioral science course will be considered for the completion of this category		
Minimum General Education Requirements		**19**

Associate of Science in Accounting

The Accounting program will train individuals for employment in accounting fields and provide employees working in accounting-related fields the knowledge to upgrade job skills. Students are offered opportunities to experience learning environments through service learning that educate, empower, and enable students to be civically engaged—gaining skills that lead to participatory leadership, effective citizenship, and increased volunteerism.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Accounting program, students will be able to:
1. Describe the steps of the accounting cycle using a computer based program.
2. Perform necessary procedures at each step of the accounting cycle for various types of business.
3. Discuss skills needed to sustain careers in accounting.

Course	Course Name	Credits
General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110	Freshman Composition	3
EN110A	Freshman Composition with Instructional Lab	4
Course	**Course Name**	**Credits**
MA110A	Finite Mathematics	3
PI101	Introduction to Philosophy	3
CS151	Windows Applications	3
Social & Behavioral Sciences (Choose 1)		
PY120	General Psychology	3
SO130	Introduction to Sociology	
Natural & Physical Sciences (Choose 1)		
SI103/SI103L	Introduction to Marine Biology & Lab	4
SI110/SI110L	Environmental Biology & Lab	
Major Requirements		
Course	**Course Name**	**Credits**
AC110	Payroll Accounting	3
AC150	Federal Income Tax I	3
AC210	Intro to Financial Management	3
AC211	Accounting Principles I	4
AC212	Accounting Principles II	4
AC233	Accounting Using QuickBooks	3
EC110	Principles of Economics	3
OA211	Business Communication	3
OA220	Spreadsheet Systems	3
SM108	Introduction to Business	3
SM230	Business Law Applications	3

Major Requirements (Continued)		
Course	Course Name	Credits
Accounting Electives (choose 2 courses from the following)		
AC225	Hospitality Industry Accounting	6
AC240	Certified Bookkeeper Review	
AC250	Federal Income Tax II	
AC280	Personal Finance	
AC292	Accounting Practicum	
	Program Total	60-61

Year 1					
Semester 1			Semester 2		
Course	Course Name	Credits	Course	Course Name	Credits
AC211	Accounting Principles I	4	AC212	Accounting Principles II	4
SM108	Introduction to Business	3	AC110	Payroll Accounting	3
MA110A	Finite Mathematics	3	OA211	Business Communication	3
EN___	English Requirement	3-4		Social & Behavioral Sciences Choice	3
			CS151	Windows Applications	3
	Total	13-14		Total	16
Year 2					
Semester 3			Semester 4		
Course	Course Name	Credits	Course	Course Name	Credits
AC150	Federal Income Tax I	3	AC210	Intro to Financial Management	3
SI___	Natural & Physical Sciences Requirement	4	AC233	Accounting Using QuickBooks	3
AC___	Accounting Elective 1	3	AC___	Accounting Elective 2	3
PI101	Introduction to Philosophy	3	OA220	Spreadsheet Systems	3
EC110	Principles of Economics	3	SM230	Business Law Applications	3
	Total	16		Total	15
	Year 1 Total	29-30		Year 2 Total	31
				Program Total	60-61

Associate of Science in Automotive Service Technology General Service Technician

The Associate of Science program in Automotive Service Technology General Service Technician offers students both a comprehensive general education as well as advanced technical training in automotive systems to include: Brakes, Electrical/Electronics, Engine Performance, and Suspension & Steering. In addition, introductory training is provided in Automatic Transmission/Transaxle, Manual Transmission/Transaxle, and Engine Repair.

Students enrolled in the program will receive instruction designed to prepare them to pass the four general service certification examinations administered by the National Institute for Automotive Service Excellence (ASE). Upon passage of examinations and after two years of automotive industry experience, students will receive ASE Certification in Electrical/Electronics, Engine Performance, Brakes, and Suspension and Steering.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Automotive Service Technology program, students will be able to:
1. Identify the purpose and proper functioning of the core components of an automotive engine.
2. Perform a cylinder compression cranking test.
3. Demonstrate the proper use of a digital multimeter (DMM) during diagnosis of electrical circuit problems.

General Education Requirements		
Course	**Course Name**	**Credits**
EN___	English Requirement	3
MA___	Mathematics Requirement	3-4
SI___	Natural & Physical Sciences Requirement	4
	Social & Behavioral Sciences Requirement	3
Computer Literacy (Choose 1)		
CS151	Windows Applications	3
CS152	Macintosh Applications	
Humanities & Fine Arts Requirement (Choose 1)		
ASL100	American Sign Language I	4
JA110	Japanese I	
CH110	Chamorro I	
Major Requirements		
Course	**Course Name**	**Credits**
AST100	Introduction to Automotive Service	3
AST110	Engine Repair	3
AST120	Automatic Transmission and Transaxle	3
AST130	Manual Drive Train & Axles I	3
AST140	Suspension and Steering	3
AST180A	Engine Performance I	3

Major Requirements (Continued)		
Course	**Course Name**	**Credits**
AST150	Brake Systems I	3
AST160	Electrical/Electronic Systems	3
AST180B	Engine Performance II	3
AST240	Theory/Practicum: Suspension & Steering	2
AST250	Theory/Practicum: Brakes	2
AST 260	Theory/Practicum: Engine Performance	4
AST 280	Theory/Practicum: Electrical/Electronic	5
	Program Total	**60-61**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3	AST110	Engine Repair	3
MA___	Mathematics Requirement	3-4	AST130	Manual Drive Train & Axles I	3
	Social and Behavioral Sciences Requirement	3	AST120	Automatic Transmission & Transaxle	3
	Literacy for Life Requirement	3	AST140	Suspension and Steering	3
AST100	Introduction to Automotive Service	3	AST180A	Engine Performance I	3
	Total	**15-16**		**Total**	**15**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
AST150	Brake Systems I	3	AST250	Theory/Practicum: Brakes	2
AST160	Electrical/Electronic Systems	3	AST280	Theory/Practicum: Engine Performance	5
AST180B	Engine Performance II	3		Humanities & Fine Arts Requirement	4
AST240	Theory/Practicum: Suspension & Steering	2	AST260	Theory/Practicum: Electrical/Electronic	4
SI___	Natural and Physical Sciences Requirement	4			
	Total	**15**		**Total**	**15**
	Year 1 Total	**30-31**		**Year 2 Total**	**30**
				Program Total	**60-61**

Associate of Science in Automotive Service Technology Master Service Technician

The Associate of Science program in Automotive Service Technology Master Technician offers students both a comprehensive general education as well as advanced technical training in all automotive systems to include: brakes; electrical/electronic; engine performance; suspension & steering; automatic transmission; manual transmission/transaction; engine repair; manual drive trains; and Heating, Ventilation, and Air Conditioning (HVAC).

The primary program objective is to prepare students to pass all eight content area certification examinations administered by the National Institute for Automotive Service Excellence (ASE). Upon passage of examinations and after two years of automotive industry experience, students will receive ASE Certification as a Master Automobile Technician.

Program Student Learning Outcomes (SLOs):

Upon successful completion of the AS in Automotive Service Technology program, students will be able to:

1. Identify the purposes and proper functioning of the core components of an automotive engine.
2. Test the performance of the heating, ventilation, and air conditioning system and perform corrective action.
3. Demonstrate the proper use of a digital multimeter (DMM) during diagnosis of electrical circuit problems.
4. Service components in the brake, steering, and suspension systems.

General Education Requirements		
Course	**Course Name**	**Credits**
EN___	English Requirement	3
MA___	Mathematics Requirement	3-4
SI___	Natural & Physical Sciences Requirement	4
	Social & Behavioral Sciences Requirement	3
Computer Literacy (Choose 1)		
CS151	Windows Applications	3
CS152	Macintosh Applications	
Humanities & Fine Arts Requirement (Choose 1)		
ASL100	American Sign Language I	4
JA110	Japanese I	
CH110	Chamorro I	
Major Requirements		
Course	**Course Name**	**Credits**
AST100	Introduction to Automotive Service	3
AST110	Engine Repair	3
AST120	Automatic Transmission & Transaxle	3
AST130	Manual Drive Train & Axles I	3
AST140	Suspension and Steering	3
AST150	Brake Systems I	3
AST160	Electrical/Electronic Systems	3
AST170	Heating and Air Conditioning	3
AST180A	Engine Performance I	3
AST180B	Engine Performance II	3
AST210	Theory/Practicum: Engine Repair	3
AST220	Theory/Practicum: Automotive Transmission and Transaxle	3
AST230	Theory/Practicum: Manual Drive Train and Axles	2
AST240	Theory/Practicum: Suspension and Steering	2
AST250	Theory/Practicum: Brakes	2
AST260	Theory/Practicum: Electrical/Electronic Systems	4

AST270	Theory/Practicum: Heating and Air Conditioning	2
AST280	Theory/Practicum: Engine Performance	5
	Program Total	**73-74**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN110	Freshman Composition	3	AST110	Engine Repair	3
MA110A	Finite Mathematics	3	AST140	Suspension and Steering	3
AST100	Introduction to Automotive Service	3	AST130	Manual Drive Train & Axles I	3
SI103/103L	Introduction to Marine Bio (3) & Introduction to Marine Bio Lab (1)	4	AST120	Automatic Transmission & Transaxle	3
	Total	**13**		**Total**	**12**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
AST150	Brake Systems I	3	AST180B	Engine Performance II	3
AST160	Electrical/Electronic Systems	3	PY125	Interpersonal Relations	3
AST180A	Engine Performance I	3	CS151	Windows Applications	3
AST170	Heating and Air Conditioning	3	AST210	Theory/Practicum: Engine Repair	3
	Total	**12**		**Total**	**12**
Year 3					
Semester 5			**Semester 6**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
AST220	Theory/Practicum: Automotive Transmission and Transaxle	3	AST260	Theory/Practicum: Electrical/Electronic Systems	4
AST230	Theory/Practicum: Manual Drive Train and Axles	2	AST280	Theory/Practicum: Engine Performance	5
AST240	Theory/Practicum: Suspension and Steering	2	VC101	Introduction to Visual Communications	3
AST250	Theory/Practicum: Brakes	2			
AST270	Theory/Practicum: Heating and Air Conditioning	2			
	Total	**11**		**Total**	**12**
	Year 1 Total	**25**		**Year 2 Total**	**24**
	Year 3 Total	**23**			
				Program Total	**73-74**

Associate of Science in Civil Engineering Technology

The Associate of Science in Civil Engineering Technology is a course of study that prepares students to analyze construction sites, use and maintain equipment, draft plans, and write reports. Technical requirement classes are designed to provide students with fundamentals in surveying, analyzing material strength, and structural drafting and design. This course of study will provide students with an overview of technical drawing, construction management and procedures, planning, and estimating. The student learning outcomes meet the professional standards of technicians in this field.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Civil Engineering Technology program, students will be able to:
1. Properly use surveying equipment and tools and perform applications accordingly.
2. Create a construction drawing set consisting of at least six sheets from a design.
3. Perform basic techniques and skills using modern engineering tools in the current civil engineering industry.
4. Sequence the steps related to the construction process in chronological order.

General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110	Freshman Composition	3
EN110A	Freshman Composition with Instructional Lab	4
Course	**Course Name**	**Credits**
MA161A	College Algebra & Trigonometry I	4
SI141	Applied Physics I	4
	Social & Behavioral Science Requirement	3
Major Requirements		
Course	**Course Name**	**Credits**
AE121	Technical Engineering Drawing I	3
AE122	Technical Engineering Drawing II	3
AE138	Building Codes, Specifications & Construction Management	3
AE160	Comp Aided Design & Draft II	3
CE211	Plane Surveying I	3
CE213	Hydraulics	3
CE214	Structural Design	3
CE221	Strength of Materials	3
MA161B	College Algebra & Trigonometry II	4
OR101	Introduction to Engineering Technology	3
SI142	Applied Physics II	4

Major Requirements (Continued)

Course	Course Name	Credits
CE121	Properties of Materials	3
CE210	Statics	3
CE215	Construction Procedures	3
CE225	Construction Planning & Estimating	3
EN194	Technical Communication	3
Emphasis Courses (Optional)		
CE222	Plane Surveying II	3
CE 224	Highways	3
	Program Total	**64-65**
	Program Total (with emphasis courses)	**70-71**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3-4	MA161B	College Algebra & Trigonometry II	4
MA161A	College Algebra & Trigonometry I	4	SI141	Applied Physics I	4
AE121	Technical Engineering Drawing I	3	AE122	Technical Engineering Drawing II	3
CE121	Properties of Materials	3	CE215	Construction Procedures	3
				Social & Behavioral Science Requirement	3
	Total	**16-17**		**Total**	**17**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CE211	Plane Surveying I	3	OR101	Introduction to Engineering Technology	3
SI142	Applied Physics II	4	CE214	Structural Design	3
AE138	Building Codes, Specifications & Construction Management	3	AE160	Comp Aided Design & Draft II	3
CE221	Strength of Materials	3	CE225	Construction Planning & Estimating	3
CE213	Hydraulics	3	CE210	Statics	3
			EN194	Technical Communication	3
	Total	**19-20**		**Total**	**18**
	Year 1 Total	**33-34**		**Year 2 Total**	**37-38**
				Program Total	**70-72**

Associate of Science in Computer Networking

The Associate of Science in Computer Networking is a program of study that prepares students for entry-level network technicians, computer technicians, and fiber and copper Cable Installers in the field of Information Technology (IT). Technical

Requirement classes are designed to give students a firm foundation in the basics of computers, networking, and information systems. Elective courses allow the students to further specialize.

This course of study will provide students with a practical overview of Information Technology, including hands-on experience configuring networking devices, network management, and will enable students to prepare for and attain industry certification through ETA and Cisco Systems.

Program Student Learning Outcomes (SLOs):

Upon successful completion of the AS in Computer Networking program, students will be able to:

1. Install, configure, and repair computer networking systems.
2. Pass local and national certification tests in computer repair, telecommunications, and network administration.
3. Communicate the values of an effective and productive technician in the telecommunication and computer networking industry.

General Education Requirements		
Course	**Course Name**	**Credits**
EN___	English Requirement	3
MA110A	Finite Mathematics	3
SI110/SI110L	Environmental Biology (3) & Environmental Biology Laboratory (1)	4
PY125	Interpersonal Relations	3
VC101	Introduction to Visual Communications	3
CS151	Windows Applications	3
Major Requirements		
Course	**Course Name**	**Credits**
EE211	IT Essentials I	4
EE243	Fiber Optics Installation	3
EE283	Network Security +	3
EE265	Computer Networking I	5
EE266	Computer Networking II+	5
EE242	Principles of Voice and Data Cabling	2
EE267	Computer Networking III+	5
EE268	Computer Networking IV+	5
EE271	Advanced Computer Networking+	5

Computer Networking Electives (Choose 2)		
Course	**Course Name**	**Credits**
EE131	Server	3

EE292	Practicum	3
CS112	Introduction to Linux	3
EE130	Project Management for IT	3
	Program Total	**62**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EE265	Computer Networking I	5	EE267	Computer Networking III	5
EE266	Computer Networking II	5	EE268	Computer Networking IV	5
MA110A	Finite Mathematics	3	SI110/110L	Environmental Biology & Lab	4
EN___	English Requirement	3	EE283	Network Security +	3
	Total	**16**		**Total**	**17**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EE271	Adv. Computer Networking I	5	EE242	Principle of Voice and Data	2
VC101	Introduction to Visual Communications	3	EE243	Fiber Optics Installation	3
CS151	Windows Applications	3	EE211	IT Essentials I	4
	Elective - See elective list	3		Elective - See elective list	3
			PY 125	Interpersonal Relations	3
	Total	**14**		**Total**	**15**
	Year 1 Total	**33**		**Year 2 Total**	**29**
				Program Total	**62**

Associate of Science in Computer Science

The Associate of Science in Computer Science will provide opportunities for students to work as system analysts who design computer systems for processing information, programmers who write instructions and translate them into a machine readable

language, computer operators who monitor and control computer systems and retrieve results, and data entry personnel who enter information and instructions into the computer.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Computer Science program, students will be able to:
1. Apply concepts and knowledge in the core areas of computer science.
2. Distinguish among basic networking systems, operating systems, and database structures.
3. Write code using programming languages, to include Java, Python, C++, PHP with MySQL and JavaScript.

General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110	Freshman Composition	3
EN110A	Freshman Composition with Instructional Lab	4
Course	**Course Name**	**Credits**
MA110A	Finite Mathematics	3
CS151	Windows Applications	3
	Social & Behavioral Sciences Requirement	3
	Humanities & Fine Arts Requirement	3-4
SI___	Natural & Physical Sciences Requirement	4
Major Requirements		
Course	**Course Name**	**Credits**
CS101	Introduction to Computer Systems & Information Technology	3
CS104	Visual Basic Programming	3
CS112	Introduction to Linux	3
CS203	Systems Analysis & Design	3
CS204	C ++ Programming	3
CS205	Network Communications	4
CS206	Java I	3
CS211	JavaScript Programming	3
CS212	Python Programming	3
CS213	PHP Programming with MySQL	3
CS299	Computer Science Capstone	4
OA211	Business Communication	3
Computer Science Elective (Choose 1)		
OA210	Database Management Systems	
EE211	IT Essentials	3-4
OA101	Keyboarding and Document Processing	
	Program Total	**60-63**

Year 1

Semester 1			Semester 2		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CS101	Introduction to Comp Systems & Info Tech	3		Social & Behavioral Sciences Requirement	3
CS211	JavaScript Programming	3	CS212	Python Programming	3
CS151	Windows Applications	3	CS213	PHP Programming with MySQL	3
EN___	English Requirement	3-4	CS205	Network Communications	4
MA110A	Finite Mathematics	3		Computer Science Elective	3-4
	Total	**15-16**		**Total**	**16-17**
Year 2					
Semester 3			Semester 4		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CS206	Java I	3	CS299	Computer Science Capstone	4
CS112	Introduction to Linux	3	OA211	Business Communication	3
CS104	Visual Basic Programming	3		Humanities & Fine Arts Requirement	3-4
CS204	C ++ Programming	3	SI___	Natural & Physical Sciences Requirement	4
CS203	Systems Analysis & Design	3			
	Total	**15**		**Total**	**14-15**
	Year 1 Total	**31-33**		**Year 2 Total**	**29-30**
				Program Total	**60-63**

Associate of Science in Computer Science UOG Track

The Associate of Science in Computer Science UOG Track will provide the foundational knowledge and hands-on skills to prepare students to further their education at the University of Guam with a goal of earning a Bachelor of Science in Computer Science. Students will learn to design computer systems for processing information; work as programmers who write instructions and translate them into a machine readable language, computer operators who monitor and control computer systems and retrieve results, and data entry personnel who enter information and instructions into the computer.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Computer Science program, students will be able to:
1. Apply concepts and knowledge in the core areas of computer science.
2. Distinguish among basic networking systems, operating systems, and database structures.
3. Write code using programming languages, to include Java, Python, C++, PHP with MySQL and JavaScript.

Course	Course Name	Credits
General Education Requirements		
English (Choose 1)		
EN110	Freshman Composition	3
EN110A	Freshman Composition with Instructional Lab	4
Course	**Course Name**	**Credits**
MA110A	Finite Mathematics	3
CO110	Critical Thinking for Civic Engagement	3
	Social & Behavioral Sciences Requirement	3
EN125	Introduction to Human Communication and Speech	3
SI___	Natural & Physical Sciences Requirement	4
Major Requirements		
Course	**Course Name**	**Credits**
CS101	Introduction to Computer Systems & Information Technology	3
CS104	Visual Basic Programming	3
CS112	Introduction to Linux	3
CS203	Systems Analysis & Design	3
CS204	C ++ Programming	3
CS205	Network Communications	4
CS206	Java I	3
CS211	JavaScript Programming	3
CS212	Python Programming	3
CS213	PHP Programming with MySQL	3
CS299	Computer Science Capstone	4
MA161A	College Algebra & Trigonometry I	4
MA161B	College Algebra & Trigonometry II	4
EN111	Writing for Research	3
OA211	Business Communication	3

Major Requirements (Continued)		
Computer Science Elective (Choose 1)		
OA210	Database Management Systems	
EE211	IT Essentials	3-4
CS151	Windows Applications	
	Program Total	**71-73**

Year 1					
Semester 1			Semester 2		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CS101	Introduction to Comp Systems & Info Technology	3	CS205	Network Communications	4
CS211	JavaScript Programming	3	MA161A	College Algebra & Trigonometry	4
CO210	Critical Thinking for Civic Engagement	3	EN111	Writing for Research	3
EN___	English Requirement	3-4	CS213	PHP Programming with MySQL	3
MA110A	Finite Mathematics	3			
	Total	**15-16**		**Total**	**14**
Year 2					
Semester 3			Semester 4		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
MA161B	College Algebra & Trigonometry II	4	CS203	Systems Analysis and Design	3
CS212	Python Programming	3	OA211	Business Communications	3
CS104	Visual Basic Programming	3	EN125	Introduction to Human Communication & Speech	3
CS204	C ++ Programming	3	CS206	Java I	3
			CS212	Introduction to Linux	3
	Total	**13**		**Total**	**15**
Year 3					
Semester 5			Semester 6		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CS299	Computer Science Capstone	4			
CS___	Computer Science Elective	3-4			
	Social &Behavioral Science Requirement	3			
SI____	Natural & Physical Science Requirement	4			
	Total	**14-15**		**Total**	
				Program Total	**71-73**

Associate of Science in Criminal Justice

This program is designed to address training requirements for students seeking employment as police officers, marshals, conservation officers, Guam Customs officers, investigators, corrections officers, forensic computer examiners, forensic lab technicians, and other public safety employees. Students may choose a track in one of four areas of concentration:
1. Administration of Criminal Justice
2. Law Enforcement Administration
3. Forensic Lab Technician
4. Forensic Computer Examiner

Some courses in this program must be sequenced because of prerequisite requirements. Other courses, including Mathematics and English, require placement testing before enrollment is granted. (See a Criminal Justice advisor before enrolling in this program or choosing electives.)

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Criminal Justice program, students will be able to:
1. Identify the legal procedures for gathering information about crimes, criminal procedure, and defendants' rights.
2. Describe the process of the criminal justice system including the duties and responsibilities of the criminal justice professional as it pertains to one of the chosen concentration areas: Administration of CJ, Law Enforcement Administration, Forensic Lab Technician, or Forensic Computer Examiner.
3. Demonstrate the ability to understand the interrelations, ethics, and role expectations of the criminal justice professional in society.

Administration of Criminal Justice Track		
General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110	Freshman Composition	3
EN110A	Freshman Composition with Instructional Lab	4
Natural & Physical Science Requirement (Choose 1)		
SI 103/103L	Introduction to Marine Biology (3) & Introduction to Marine Biology Laboratory (1)	4
SI 110/110L	Environmental Biology (3) & Environmental Biology Laboratory (1)	
Course	**Course Name**	**Credits**
MA110A	Finite Mathematics	3
CS151	Windows Applications	3
	Humanities Requirement	3-4
PS140	American Government	3
Social Science Requirement (Choose 1)		
PY120	General Psychology	3
SO130	Introduction to Sociology	3
PY125	Interpersonal Relations	
Major Requirements		
Course	**Course Name**	**Credits**
CJ100	Introduction to Criminal Justice	3
CJ150	Criminal Procedure	3
CJ200	Criminal Law	3
CJ292	Criminal Justice Practicum	3
CJ206	Social Values & the Criminal Justice Process	3

Major Requirements (Continued)		
Course	**Course Name**	**Credits**
CJ101	Juvenile Justice Process	3
CJ107	Introduction to Corrections	3
CJ204	Introduction to Criminology	3
CJ209	Concept of Police Operations	3
Electives		
Course	**Course Name**	**Credits**
	Related Major Course	3
	Related Major Course	3
	Related Major Course	3
	Program Total	**61-63**

Administration of Criminal Justice Track					
Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CJ100	Introduction to Criminal Justice	3	CJ101	Juvenile Justice Process	3
CJ 107	Introduction to Corrections	3	CJ150	Criminal Procedure	3
EN___	English Requirement	3-4	CJ200	Criminal Law	3
MA110A	Finite Mathematics	3	PS140	American Government	3
SO130	Introduction to Sociology	3	PY120	General Psychology	3
	Total	**15-16**		**Total**	**15**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CJ 204	Introduction to Criminology	3	CJ292	Criminal Justice Practicum	3
CJ206	Social Values & the Criminal Justice	3		Related Major Course	3
CJ 209	Concept of Police Operations	3		Related Major Course	3
CS151	Windows Applications	3		Related Major Course	3
SI___	Natural & Physical Sciences Requirement	4		Humanities Requirement	3-4
	Total	**16**		**Total**	**15-16**
	Year 1 Total	**30-31**		**Year 2 Total**	**31-32**
				Program Total	**61-63**

Law Enforcement Administration Track		
General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110	Freshman Composition	3
EN110A	Freshman Composition with Instructional Lab	4
Course	**Course Name**	**Credits**
MA110A	Finite Mathematics	3
	Humanities Requirement	3-4
PS140	American Government	3
PY120	General Psychology	3
SO130	Introduction to Sociology	3
CS151	Windows Applications	3
Natural & Physical Science Requirement (Choose 1)		
SI 103/103L	Introduction to Marine Biology (3) & Introduction to Marine Biology Laboratory (1)	4
SI 110/110L	Environmental Biology (3) & Environmental Biology Laboratory (1)	
Major Requirements		
Course	**Course Name**	**Credits**
CJ100	Introduction to Criminal Justice	3
CJ150	Criminal Procedure	3
CJ200	Criminal Law	3
CJ205	Report Writing for Law Enforcement	3
CJ206	Social Values & the Criminal Justice Process	3
CJ209	Concept of Police Operations	3
CJ225	Criminal Investigations	3
CJ250	Police Organizational Theory	3
CJ292	Criminal Justice Practicum	3
Electives		
Course	**Course Name**	**Credits**
	Related Major Course	3
	Related Major Course	3
	Related Major Course	3
	Program Total	**61-63**

Law Enforcement Administration Track					
Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CJ100	Introduction to Criminal Justice	3	CJ150	Criminal Procedure	3
CJ205	Report Writing for Law Enforcement	3	CJ200	Criminal Law	3
EN___	English Requirement	3-4	CJ225	Criminal Investigations	3
MA110A	Finite Mathematics	3	SO130	Introduction to Sociology	3
PS140	American Government	3	PY120	General Psychology	3
	Total	**15-16**		**Total**	**15**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CJ206	Social Values & the Criminal Justice Process	3	CJ292	Criminal Justice Practicum	3
CJ209	Concept of Police Operations	3		Related Major Course	3
CJ250	Police Organizational Theory	3		Related Major Course	3
CS151	Windows Applications	3		Related Major Course	3
SI___	Natural & Physical Sciences Requirement	4		Humanities Requirement	3-4
	Total	**16**		**Total**	**15-16**
	Year 1 Total	**30-31**		**Year 2 Total**	**31-32**
				Program Total	**61-63**

Forensic Lab Technician Track		
General Education Requirements		
Course	Course Name	Credits
English (Choose 1)		
EN110	Freshman Composition	3
EN110A	Freshman Composition with Instructional Lab	4
Course	Course Name	Credits
MA110A	Finite Mathematics	3
SI141	Applied Physics	4
PS140	American Government	3
PY120	General Psychology	3
SO130	Introduction to Sociology	3
CS151	Windows Applications	3
Major Requirements		
Course	Course Name	Credits
CJ100	Introduction to Criminal Justice	3
CJ122	Introduction to Forensic Science	4
CJ150	Criminal Procedure	3
CJ200	Criminal Law	3
CJ206	Social Values & the Criminal Justice Process	3
CJ225	Criminal Investigation	3
CJ292	Criminal Justice Practicum	3
HL120	Medical Terminology	2
MA161A	College Algebra & Trigonometry I	4
MA161B	College Algebra & Trigonometry II	4
SI131/131L	Human Anatomy & Physiology I (3) & Human Anatomy & Physiology I Laboratory (1)	4
SI 150/150L	Introduction to Microbiology (3) & Introduction to Microbiology Laboratory (1)	4
SI101/101L	Introduction to Chemistry (3) & Introduction to Chemistry Laboratory (1)	4
	Program Total	66-68

Forensic Lab Technician Track					
Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CJ100	Introduction to Criminal Justice	3	CJ122	Introduction to Forensic Science	4
EN___	English Requirement	3	CJ150	Criminal Procedure	3
MA110A	Finite Mathematics	3	CJ200	Criminal Law	3
PY120	General Psychology	3	CJ225	Criminal Investigation	3
SO130	Introduction to Sociology	3	PS140	American Government	3
	Total	**15**		**Total**	**16**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CJ206	Social Values & the Criminal Justice Process	3	CJ292	Criminal Justice Practicum	3
CS151	Windows Applications	3	SI141	Applied Physics	4
HL120	Medical Terminology	2	SI150	Introduction to Microbiology: Theory	3
MA161B	College Algebra & Trigonometry II	4	SI150L	Introduction to Microbiology: Laboratory	1
SI131	Human Anatomy & Physiology I: Theory	3	SI101	Introduction to Chemistry	3
SI131L	Human Anatomy & Physiology I: Laboratory	1	SI101L	Introduction to Chemistry Laboratory	1
	Total	**16**		**Total**	**15**
	Year 1 Total	**31-32**		**Year 2 Total**	**31-32**
	Summer*	**4**			
				Program Total	**66-68**

*MA161A College Algebra & Trigonometry I should be taken summer after year 1

Forensic Computer Examiner Track		
General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110	Freshman Composition	3
EN110A	Freshman Composition with Instructional Lab	4
Course	**Course Name**	**Credits**
MA110A	Finite Mathematics	3
SI110 or SI103	Natural & Physical Sciences Requirement	4
PS140	American Government	3
PY120	General Psychology	3
SO130	Introduction to Sociology	3
CS151	Windows Applications	3
	Humanities Requirement	3-4
Major Requirements		
Course	**Course Name**	**Credits**
CJ100	Introduction to Criminal Justice	3
CJ150	Criminal Procedure	3
CJ200	Criminal Law	3
CJ292	Criminal Justice Practicum	3
CJ206	Social Values & the Criminal Justice Process	3
CJ122	Introduction to Forensic Science	4
CJ225	Criminal Investigation	3
CJ___	CJ Elective	3
EE211	IT Essentials I	4
CS101	Introduction to Computer Systems & Information Technology	3
CJ205	Report Writing for Law Enforcement	3
Approved Computer Science Courses		
Course	**Course Name**	**Credits**
CS___	Computer Science Course 1	3
CS___	Computer Science Course 2	3
CS___	Computer Science Course 3	3
	Program Total	**69-71**

25+35+9

Forensic Computer Examiner Track					
Year 1					
Semester 1			Semester 2		
Course	Course Name	Credits	Course	Course Name	Credits
CJ100	Introduction to Criminal Justice	3	CJ122	Introduction to Forensic Science	4
CJ205	Report Writing for Law	3	CJ150	Criminal Procedure	3
CS101	Introduction to Computer Systems & Information Technology	3	CJ200	Criminal Law	3
PS140	American Government	3	CJ225	Criminal Investigation	3
EN___	English Requirement	3-4	MA110A	Finite Mathematics	3
PY120	General Psychology	3		Humanities Requirement	3-4
	Total	18-19		Total	19-20
Year 2					
Semester 3			Semester 4		
Course	Course Name	Credits	Course	Course Name	Credits
SO130	Introduction to Sociology	3	CS___	Computer Science Course 2	3
SI___	Natural & Physical Sciences Requirement	4	CJ206	Social Values & the Criminal Justice Process	3
CS___	Computer Science Course 1	3	CJ292	Criminal Justice Practicum	3
CJ___	CJ Elective	3	CS___	Computer Science Course 3	3
CS151	Windows Applications	3	EE211	IT Essentials I	4
	Total	16		Total	16
	Year 1 Total	38-40		Year 2 Total	32
				Program Total	69-71

Associate of Science in Early Childhood Education

Early childhood pertains to children age eight and below. Early childhood educators work in Head Start programs, childcare centers, family home care programs, elementary schools, social services programs, and health care services. These professionals plan and implement appropriate experiences for young children in areas such as language, health, movement, creativity, cognitive, self-concept and social behavior. They also supervise children's activities, care for their needs, keep records of their progress, and confer with parents and other professionals.

The Associate of Science in Early Childhood Education is closely aligned with national standards and meets the education requirements for Basic Educator Preschool Certification from the Guam Commission for Educator Certification. The National Association for the Education of Young Children encourages a minimal educational level of an associate degree in early childhood education for early childhood program teachers. Only technical required courses that have a grade of "C" or better will be counted towards the Associate degree.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Early Childhood, students will be able to:
1. Model appropriate practices for children, professionalism, and demonstrate ethical conduct based on guidelines from the National Association for the Education of Young Children (NAEYC).
2. Communicate effectively with students, staff and families including those from diverse backgrounds and special populations.
1. Implement various developmentally and age-appropriate teaching, assessment and guidance strategies needed to work with young children from birth to age eight.

General Education Requirements		
Course	Course Name	Credits
English (Choose 1)		
EN110A	Freshman Composition with Instructional Lab	4
EN110	Freshman Composition	3
Course	Course Name	Credits
MA110A	Finite Mathematics	3
	Literacy for Life Requirement	3
	Social & Behavioral Sciences Requirement	3
	Humanities & Fine Arts Requirement	3-4
SI___	Natural & Physical Sciences Requirement	4
Major Requirements		
Course	Course Name	Credits
CD140	Nutrition and Physical Health	3
CD180	Language Arts in Early Childhood	3
CD240	Cognitive & Creative Development in Early Childhood	3
CD260	Social & Emotional Development	3
ED231	Introduction to Exceptionalities	3
CD292	Early Childhood Education Practicum	3
Choose One		
CD221	Child Growth & Development	3
ED220	Human Growth & Development	

Major Requirements (Continued)		
Course	**Course Name**	**Credits**
Choose One		
CD110	Intro to Early Childhood Education	3
ED150	Introduction to Teaching	
Electives		
	Any college level course	3
	Any college level course	3
	Any college level course	3
	Any college level course	4
	Any college level course	4
	Program Total	**60-62**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
	Humanities & Fine Arts Requirement	3-4	CD260	Social & Emotional Development	3
CD110/ ED150	Intro to Early Childhood Education or Intro to Teaching	3	ED231	Introduction to Exceptionalities	3
CD221/ ED220	Child Growth & Development or Human Growth & Development	3	EN___	English Requirement	3-4
CD180	Language Arts in Early Childhood	3	MA110A	Finite Mathematics	3
CD140	Nutrition and Physical Health	3		Literacy for Life Requirement	3
	Total	**15-16**		**Total**	**15-16**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CD240	Cognitive & Creative Development	3	CD292	Early Childhood Education Practicum	3
	Social & Behavioral Sciences Requirement	3		Elective	3
SI___	Natural & Physical Sciences Requirement	4		Elective	3
	Elective	4		Elective	3
				Elective	4
	Total	**14**		**Total**	**16**
	Year 1 Total	**30-32**		**Year 2 Total**	**30**
				Program Total	**60-62**

Associate of Science in Emergency Management

Emergency Management graduates will be able to apply basic emergency management skills in the event of natural and manmade disasters. Graduates will be able to implement the four major areas of emergency, namely, mitigation, preparation, response, and recovery. The Emergency Management program utilizes the Emergency Management Institute's Independent Study (IS) courses to prepare graduates to apply leadership skills, to communicate effectively, to solve problems, to plan, to work as a team, to operate within the legal system and governmental framework for emergency management, to analyze risks and hazards, and to manage resources efficiently.

Guam Community College is mirroring Frederick Community College's model whereby college credits are granted upon successful completion of Emergency Management Institute's (EMI) Independent Study (IS) courses online. Students who have completed these IS courses will need to request for an official transcript from EMI then apply for college credits at Guam Community College towards an Associate of Science in Emergency Management.

The Emergency Management program's Major Requirements are adopted and derived from EMI's Independent Study program. These courses are subject to revision and new courses will be added to the program. GCC's Emergency Management program will adhere to the latest IS offerings to ensure that students learn what is relevant and most up-to-date information and skills.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Emergency Management program, students will be able to:
1. State the government's role in Emergency Management.
2. Describe the function of the Emergency Operations Center and National Incident Management System.
3. Evaluate hazards and risks of emergency situations.
4. Make decisions, solve problems, and use critical thinking skills vis-a-vis the emergency planning process.

Note: Students declaring this major in AY 2021-2022 will enter a revamped and revised program.

General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110A	Freshman Composition with Instructional Lab	4
EN110	Freshman Composition	3
Course	**Course Name**	**Credits**
MA110A	Finite Mathematics	3
	Literacy for Life Requirement	3
	Humanities & Fine Arts Requirement	3-4
PY120	General Psychology	3
Natural & Physical Sciences (Choose one)		
SI103/103L	Introduction to Marine Biology (3) & Introduction to Marine Biology Laboratory (1)	4
SI110/110L	Environmental Biology/ Environmental Biology Laboratory	

Note: *Students declaring this major in AY 2021-2022 will enter a revamped and revised program.*

Major Requirements		
Course	**Course Name**	**Credits**
EMI100	Emergency Manager	1
EMI102	Hazardous Materials	1
EMI104	A Citizen's Guide to Disaster Assistance	1
EMI106	Building for the Earthquakes of Tomorrow	1
EMI108	Orientation to Disaster Exercise	1
EMI110	Exercise Design	1
EMI112	State Disaster Management	1
EMI114	Principles of Emergency Management	1
EMI116	Emergency Planning	1
EMI118	Leadership & Influence	1
EMI120	Decision Making & Problem Solving	1
EMI154	Community Emergency Response Team	1
EMI122	Effective Communication	1
EMI124	Developing & Managing Volunteers	1
EMI126	Anticipating Hazardous Weather	1
EMI128	Emergency Operations Center Role	1
EMI130	Volunteer Agencies in Emergency Management	1
EMI132	Disaster Basics	1
EMI134	Community Hurricane Preparedness	1
EMI136	Hazardous Material Prevention	1
EMI138	Multi-hazard Emergency Planning for Schools	1
EMI140	Introduction to Mitigation	1
EMI142	Protecting your Home and Small Business from Disaster	1
EMI144	Introduction to Public Assistance	1
EMI146	Debris Operation	1
EMI148	Incident Command System	1
EMI150	National Incident Management System	1
EMI152	National Response Plan & Disaster Medical System	1
CJ102	First Responder	3
EMI154	Community Emergency Response Team	1
HL130	First Aid & Safety	1
PS140	American Government	3
PY125	Interpersonal Relations	3
SM225	Leadership	3
	Program Total	**61-63**

Associate of Science in Foodservice Management

Program Mission & Description
The Foodservice Management Program aligns with the National Restaurant Association (NRA) ManageFirst® curriculum that is framed around a set of knowledge and skills identified by the restaurant industry as important for a successful career in the industry. By completing the NRA required 800-hour work experience, graduates have the option to earn the NRA ManageFirst Professional® (MFP) or Foodservice Management Professional® (FMP) credential.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Foodservice Management program, students will be able to:
1.   Prioritize functions within a complex work environment, such as a foodservice facility
2.   Manage resources to maintain fiscal responsibility as it relates to the foodservice industry.
3.   Model a customer-oriented work ethic.

General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110A	Freshman Composition with Instructional Lab	4
EN110	Freshman Composition	3
Course	**Course Name**	**Credits**
CUL145	Culinary Math	3
CS151	Windows Applications	3
PY125	Interpersonal Relations	3
EN125	Human Speech and Communication	3
SI110/110L	Environmental Science(3) & Environmental Science Laboratory (1)	4
Major Requirements		
Course	**Course Name**	**Credits**
CUL120	Food Safety and Sanitation	2
FSM100	Introduction to the Foodservice Profession	2
FSM110	Professional Dining Room Service: Theory	2
FSM110L	Professional Dining Room Service: Laboratory	1
FSM115	Purchasing and Receiving	2
FSM130	Professional Bar and Alcohol Management	3
FSM154	Foodservice Nutrition	3
FSM155	Foodservice Accounting	3
FSM222	Foodservice Cost Control	3
FSM240	Menu Planning	3
FSM254	Foodservice Marketing	3
FSM269B	Leadership Seminar Part I	1
FSM270	Foodservice Human Resource Management	3
FSM292	Foodservice Practicum	4
FSM299	Foodservice Management Capstone	3
RES296A	Leadership in Restaurant and Foodservice	3
	Program Total	**60-61**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3-4	CUL145	Culinary Math	3
PY125	Interpersonal Relations	3	SI110 /110L	Environmental Science	4
CUL120	Foodservice Safety & Sanitation	2	FSM115	Purchasing & Receiving	2
FSM100	Intro to Foodservice Profession	2	FSM154	Foodservice Nutrition	3
FSM110	Professional Dining Room Service	2	FSM155	Foodservice Accounting	3
FSM110L	Professional Dining Rm Srv Lab	1			
FSM130	Professional Bar Management	3			
	Total	**16-17**		**Total**	**15**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN125	Speech and Communication	3	CS151	Windows Applications	3
FSM222	Foodservice Cost Control	3	FSM254	Foodservice Marketing	3
FSM240	Menu Planning	3	FSM269B	Leadership Seminar I	1
FSM269A	Leadership in Foodservice Operations	3	FSM292	Foodservice Management Practicum	4
FSM270	Foodservice HR Management	3	FSM299	Foodservice Management Capstone	3
	Total	**15**		**Total**	**14**
	Year 1 Total	**31-32**		**Year 2 Total**	**29**
				Program Total	**60-61**

Associate of Science in Human Services

The Associate of Science in Human Services program provides a multi-disciplinary, culturally diverse curriculum as the foundation for entry-level career pathway in the human services field. The program prepares students with the knowledge and skills required for employment at entry level para-professional positions in human services, assisting social workers and other allied health professionals like counselors, psychologists, nurses and medical doctors.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Human Services program, students will be able to:
1. Explain human service practice concepts and principles within a multidisciplinary, multi-cultural setting among children & family, mental health and disabilities, aging, substance abuse & the criminal justice system.
2. Demonstrate entry level human services skills in human service settings.
3. Describe human values and ethical responsibility pertaining to the human service worker.

General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110A	Freshman Composition with Instructional Lab	4
EN110	Freshman Composition	3
Course	**Course Name**	**Credits**
MA110A	Finite Mathematics	3
SO130	Introduction to Sociology	3
CS151	Windows Applications	3
SI110/110L	Environmental Biology/ Environmental Biology Laboratory	4
Choose One		
ASL100	American Sign Language I	4
CH110	Chamorro I	
Major Requirements		
Course	**Course Name**	**Credits**
HM110	Introduction to Community Services	3
HM150	Human Development Diversity	3
HM180	Human Services Practicum Orientation	3
HM201	Social Welfare and Development: Global Challenges	3
HM205	Foundations of Case Management	3
HM225	Substance Abuse Prevention	3
HM250	Ethics and Values in Human Services	3
HM292	Human Services Practicum	3
PY120	General Psychology	3
Choose One		
CD221	Child Growth & Development	3
ED220	Human Growth & Development	
Electives (Complete 12 credits from the list below)		
Course	**Course Name**	**Credits**
CJ100	Introduction to Criminal Justice	3
CJ104	Dynamics of Substance Abuse	3
VC101	Introduction to Visual Communications	3

Electives (Continued)		
Course	**Course Name**	**Credits**
TH101	Introduction to the Theater	3
EN194	Technical Communication	3
HL130	First Aid & Safety	1
PY100	Personal Adjustment	3
PY125	Interpersonal Relations	3
HS152	Customer Service	3
HU120	Pacific Cultures	3
HU220	Guam Cultures & Legends	3
	Program Total	**62-63**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3-4	CS151	Windows Applications	3
CD221 or ED220	Child Growth & Development **OR** Human Growth & Development	3	SI110/SI110L	Environmental Biology & Environmental Biology Lab	4
SO130	Introduction to Sociology	3	PY120	General Psychology	3
HM110	Introduction to Community Services	3	HM201	Social Welfare & Development	3
MA110A	Finite Mathematics	3		Human Services Elective	3
	Total	**15-16**		**Total**	**16**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
ASL100 or CH110	American Sign Language I **OR** Chamorro I	4	HM225	Substance Abuse Prevention	3
HM180	Human Services Practicum Orientation	3	HM250	Ethics and Values in Human Services	3
	Human Services Elective	3	HM292	Human Services Practicum	3
HM205	Foundations of Case Management	3		Human Services Elective	3
HM150	Human Development Diversity	3		Human Services Elective	3
	Total	**16**		**Total**	**15**
	Year 1 Total	**31-32**		**Year 2 Total**	**31**
				Program Total	**62-63**

Associate of Science in International Hotel Management

The International Hotel Management Associate Degree prepares students in the hotel operational departments: Front Office, Housekeeping, Food & Beverage, and Human Resources. This program focuses on customer service and communications skills necessary to be successful as a hospitality professional. Training students in managerial, supervisory, and organizational skills is also emphasized.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in International Hotel Management program, students will be able to:
1. Display various supervisory skills within the hospitality industry.
2. Exhibit applicable customer service and hotel operations skills based on situation.
3. Evaluate the importance of communications skills.

Course	Course Name	Credits
General Education Requirements		
EN___	English Requirement	3
	Social & Behavioral Sciences Requirement	3
MA___	Mathematics Requirement	3-4
	Literacy for Life Requirement	3
	Humanities & Fine Arts Requirement	3-4
SI___	Natural & Physical Sciences Requirement	4
Major Requirements		
Course	Course Name	Credits
HS150	Welcome to Hospitality	3
HS152	Customer Service	3
HS155	Basic Hotel & Restaurant Accounting	3
HS160	Hospitality Supervision	3
HS208	Managing Service in Food and Beverage Operations	3
HS211	Managing Front Office Operations	3
HS215	Managing Housekeeping Operations	3
HS216	Human Resources Management	3
HS217	Hotel Security Management	3
HS254	Hospitality & Travel Marketing	3
HS266	International Hotels: Development and Management	3
HS268	Managing Technology in the Hospitality Industry	3
HS292	Hospitality and Tourism Practicum	3
Choose One		
KE110	Korean I	4
KE111	Korean II	
	Program Total	**62-64**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3	HS160	Hospitality Supervision	3
	Social & Behavioral Sciences Requirement	3	HS208	Managing Service in Food and Beverage Operations	3
HS152	Customer Service	3	HS211	Managing Front Office Operations	3
HS150	Welcome to Hospitality	3	MA___	Mathematics Requirement	3-4
HS155	Basic Hotel & Restaurant Accounting	3		Literacy for Life Requirement	3
	Total	**15**		**Total**	**15-16**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
HS215	Managing Housekeeping Operations	3	HS254	Hospitality & Travel Marketing	3
	Humanities & Fine Arts Requirement	3-4	HS266	International Hotels: Development and Management	3
HS217	Hotel Security Management	3	HS268	Managing Technology in the Hospitality Industry	3
KE110 or KE111	Korean I or Korean II	4	SI___	Natural & Physical Sciences Requirement	4
HS216	Human Resources Management	3	HS292	Travel and Hospitality Practicum	3
	Total	**16-17**		**Total**	**16**
	Year 1 Total	**30-31**		**Year 2 Total**	**32-33**
				Program Total	**62-64**

Associate of Science in Marketing

The Associate of Science in Marketing provides students with the knowledge and skills required to obtain career-sustaining employment in a marketing profession. Among the many career opportunities in marketing are account executive, buyer, merchandiser, brand manager, retail supervisor, advertising assistant, market researcher, and social media marketing coordinator. The marketing program will equip students with the experience and technical skills necessary for rapid progression into mid-management positions.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Marketing program, students will be able to:
1. Assess which marketing communication platforms will most effectively meet the needs of the marketplace.
2. Design a strategic marketing plan for a new or existing business.
3. Apply technical skills required to obtain career-sustaining marketing positions.

Course	Course Name	Credits
General Education Requirements		
Course	**Course Name**	**Credits**
EN___	English Requirement	3
MA___	Mathematics Requirement	3-4
CS152	Macintosh Applications	3
	Humanities & Fine Arts Requirement	3-4
SI___	Natural & Physical Sciences Requirement	4
Social & Behavioral Science (choose 1)		
SO130	Introduction to Sociology	3
PY120	General Psychology	
PY125	Interpersonal Relations	
Major Requirements		
Course	**Course Name**	**Credits**
MK123	Principles of Marketing	3
MK124	Selling	3
MK125	Social Media Marketing	3
MK205	Entrepreneurship	3
MK206	Retailing	3
MK208	International Marketing	3

Major Requirements (Continued)		
Course	**Course Name**	**Credits**
MK224	Advertising	3
MK292	Marketing Practicum	3
VC101	Introduction to Visual Communications	3
VC125	Digital Graphics: Raster	3
VC126	Digital Graphics: Vector	3
VC128	Design Principles & Elements	3
VC212	Design Studio II	3
SM205	Purchasing	3
	Program Total	**61-63**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3	MK124	Selling	3
MK123	Principles of Marketing	3	MK206	Retailing	3
CS152	Macintosh Applications	3	MA___	Mathematics Requirement	3-4
VC125	Digital Graphics: Raster	3	VC101	Introduction to Visual Communications	3
VC126	Digital Graphics: Vector	3	VC128	Design Principles & Elements	3
	Total	**15**		**Total**	**15-16**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
MK125	Social Media Marketing	3	MK205	Entrepreneurship	3
MK208	International Marketing	3		Humanities & Fine Arts Requirement	3-4
MK224	Advertising	3	VC212	Design Studio II	3
SM205	Purchasing	3	MK292	Marketing Practicum	3
SI___	Natural & Physical Sciences Requirement	4		Social & Behavioral Sciences Requirement	3
	Total	**16**		**Total**	**15-16**
	Year 1 Total	**30-31**		**Year 2 Total**	**31-32**
				Program Total	**61-63**

Associate of Science in Medical Assisting

Medical Assistants are the only allied health professionals specifically trained to work in ambulatory settings, such as physicians' offices, clinics, and group practices. These multi-skilled personnel can perform administrative and clinical procedures. Physicians value this unique versatility more and more, as managed care necessitates the need to contain costs and manage human resources efficiently. Medical Assistants are trained allied health professionals who work primarily in physicians' offices, outpatient clinics, but also in hospitals, and other healthcare facilities. Medical Assistants are trained to perform clinical back office procedures and administrative tasks. In contrast to most other allied health professionals who work in inpatient hospital settings, Medical Assistants, work primarily in outpatient clinics under the direct supervision of a physician. One portion of his or her training that concentrates on administrative medical assisting provides suitable background for employment in health maintenance organizations, home health care organizations, and nursing homes. Their training as clinical medical assistants creates a well-rounded Medical Assistant that can perform a variety of tasks both administrative and clinical. The most common task performed by the medical assistant is recording patient history and personal information, measuring vital signs (such as blood pressure), helping the physician with patient examinations, giving patients injections or medications as directed by the physician, scheduling patient appointments, drawing and preparing blood samples for laboratory tests, and entering patient information into medical records. Once a student has successfully completed the Medical Assisting Program, he or she will be prepared to take the Registered Medical Assistant (RMA) national certification examination through American Medical Technologists (AMT). The Guam Community College is an affiliated partner with the American Medical Technologist (AMT).

10700 West Higgins Rd, Suite 150
Rosemont, IL 60018
Phone: 847.823.5169
Fax: 847.823.0458

With the exception of enrollment in MS101 Introduction to Medical Assisting, admission to the Medical Assisting program is required before enrollment in any Medical Assisting technical requirement course. Admission to the Medical Assisting program includes:
- Advisement from Allied Health faculty.
- Completion of English and Mathematics Placement Tests with minimum scores or completion of English and mathematics development courses and attainment of passing scores.
- Health Clearance, which includes physical immunization (PPD, Hep B, 1, 2, 3).

Note: The student must have a "C" or better in all courses to receive a certificate in Medical Assisting. Students must pass each course with a "C" or better to continue toward the next course in the program. Those students who do not successfully complete a core technical of related technical requirement course will have to wait a minimum of one year for reentry. For further information, please refer to Medical Assistant Program Handbook.

Pre-requisite courses are not required for program entry, but must be completed for approval for entry into the program learning group or cohort. When the student enters the learning group, he/she will begin the Medical Assisting Program.
Other Prerequisite:
- Health clearance to include physical and immunizations- PPD, with the addition of a Hepatitis B vaccine or declination form.
- Police and court clearance will be required for acceptance into Medical Assistant cohort.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Medical Assisting program, students will be able to:
1. Describe legal and ethical principles that affect the role of a medical assistant.
2. Demonstrate proficiency in administrative medical office procedures.
3. Demonstrate proficiency in clinical procedures.
4. Perform medical laboratory procedures.

General Education Requirements		
Course	Course Name	Credits
English (Choose 1)		
EN110A	Freshman Composition with Instructional Lab	4
EN110	Freshman Composition	3
Course	Course Name	Credits
MA110A	Finite Mathematics	3
	Literacy for Life Requirement	3
	Humanities & Fine Arts Requirement	3-4
	Social & Behavioral Sciences Requirement	3
HL190	Introduction to Anatomy and Physiology for Allied Health Professionals	4
Major Requirements		
Course	Course Name	Credits
HL120	Medical Terminology	2
HL131	Basic Life Support for Health Care Providers	1
HL150	Study of Diseases	3
HL201	Medical Law and Ethics	3
HL202	Nutrition	3
HL252	Pathology for Health Professions	3
MS 125	Clinical Medical Assisting: Clinical	1
MS101	Introduction to Medical Assisting	3
MS120	Clinical Medical Assisting: Theory	2
MS121	Clinical Medical Assistant: Laboratory	2
MS140	Administrative Medical Assisting: Theory	2
MS141	Administrative Medical Assisting: Laboratory	2
MS145	Administrative Medical Assisting: Clinical	1
MS160	Introduction to Pharmacology	1
MS161	Administration of Medications: Laboratory	1
MS180	Introduction to Clinical Laboratory	2
MS210	Medical Assisting Critique	1
MS220	Medical Assisting Specialties	3
MS225	Medical Assisting Specialties Clinical	1
MS292	Medical Assisting Practicum	5
	Program Total	**61-63**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3-4	MS101	Introduction to Medical Assisting	3
MA110A	Finite Mathematics	3	MS140	Administrative Medical Assisting: Theory	2
HL150	Study of Diseases	3	MS141	Administrative Medical Assisting: Laboratory	2
	Literacy for Life Requirement	3	MS145	Administrative Medical Assisting Clinical	1
HL190	Introduction to Anatomy and Physiology for Allied Health Professionals	4	HL131	Basic Life Support for Health Care Providers	1
			HL120	Medical Terminology	2
			HL202	Nutrition	3
	Total	**16-17**		**Total**	**14**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
HL201	Medical Law and Ethics	3	MS120	Clinical Medical Assisting: Theory	2
MS160	Introduction to Pharmacology	1	MS121	Clinical Medical Assistant: Laboratory	2
MS161	Administration of Medications: Laboratory	1	MS225	Medical Assisting Specialties Clinical	1
	Humanities & Fine Arts Requirement	3-4	MS220	Medical Assisting Specialties	3
	Social & Behavioral Sciences Requirement	3	MS 125	Clinical Medical Assisting: Clinical	1
	Total	**11-12**		**Total**	**9**
Year 3					
Semester 5					
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
MS180	Introduction to Clinical Laboratory	2			
MS210	Medical Assisting Critique	1			
MS292	Medical Assisting Practicum	5			
HL252	Pathology for Health Professions	3			
	Total	**11**		**Total**	
	Year 1 Total	**30-31**		**Year 2 Total**	**20-21**
	Year 3 Total	**11**			
				Program Total	**61-63**

Associate of Science in Office Technology

The mission of the Office Technology program is to equip students with technology, communication, and professional skills necessary for successful employment in an office environment. Upon completion, the student will be able to perform as an office manager completing a variety of office processes, maintenance, and management, including oral and written communication; formatting simple to complex business correspondence; formatting reports; tables and administrative documents; filing; operating computers and business machines; using computer software application programs; distributing mail; answering the telephone; and providing good customer service.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Office Technology program, students will be able to:
1. Obtain knowledge and skills in various computer applications so that they will be able to adapt to the technological needs of their respective organizations.
2. Use previously learned skills and information to format and produce various office documents.
3. Express confidence in their ability to use and integrate several office applications.

Course	Course Name	Credits
General Education Requirements		
EN___	English Requirement	3
MA___	Mathematics Requirement	3-4
	Literacy for Life Requirement	3
	Humanities & Fine Arts Requirement	3-4
	Natural & Physical Sciences Requirement	4
PY125	Interpersonal Relations	3
Major Requirements		
Course	Course Name	Credits
OA101	Keyboarding and Document Processing	3
OA103	Filing Systems	3
OA109	Business Math Using Excel	3
OA130	Information Processing	3
OA210	Database Management Systems	3
OA211	Business Communication	3
OA220	Spreadsheet Systems	3
OA230	Advanced Information Processing	3
OA250	Office Procedures	3
SM108	Introduction to Business	3
SM208	Personnel Supervision	3
Electives (Complete 9 credits)		
Course	Course Name	Credits
AC100	Fundamentals of Bookkeeping and Accounting	3
CS110	Introduction to the Internet	3
OA240	Machine Transcription	3
OA292	Office Technology Practicum	3
	Program Total	**61-63**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3		Literacy for Life Requirement	3
MA___	Mathematics Requirement	3-4	PY125	Interpersonal Relations	3
OA101	Keyboarding and Document Processing	3	OA130	Information Processing	3
OA109	Business Math Using Excel	3		Elective	3
	Elective	3		Elective	3
	Total	**15-16**		**Total**	**15**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
OA211	Business Communication	3		Humanities & Fine Arts Requirement	3-4
OA103	Filing Systems	3	SM108	Introduction to Business	3
	Natural & Physical Sciences Requirement	4	OA230	Advanced Information Processing	3
OA210	Database Management Systems	3	SM208	Personnel Supervision	3
OA220	Spreadsheet Systems	3	OA250	Office Procedures	3
	Total	**16**		**Total**	**15-16**
	Year 1 Total	**30-31**		**Year 2 Total**	**31-32**
				Program Total	**61-63**

Associate of Science in Practical Nursing

The mission of the Nursing and Allied Health Department is to generate locally educated and licensed nurses to work in the various health care provider agencies on Guam and the Pacific region. The Guam Community College Nursing Program is committed to providing career guidance and education in nursing to those students from Guam and the Pacific region who desire to become Practical Nurses. Upon completion of program requirements, students will earn an Associate's Degree in Practical Nursing and will be eligible to apply and take the National Council Licensure Examination for Practical Nurses (NCLEX-PN). Licensure is granted through the Guam Board of Nurse Examiners.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Practical Nursing program, students will be able to:
1. Utilize established standards and practice guidelines to help client restore, promote and maintain physical and mental health throughout their lifespan.
2. Apply therapeutic communication with patients, patient support-persons and members of the health-care team.
3. Employ evidence-based decision making to deliver safe and effective client care and to evaluate client outcomes.

General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110A	Freshman Composition with Instructional Lab	4
EN110	Freshman Composition	3
Course	**Course Name**	**Credits**
MA110A	Finite Mathematics	3
SI131/131L	Human Anatomy & Physiology I (3) and Human Anatomy & Physiology I Lab (1)	4
CS151	Windows Applications	3
EN125	Introduction to Human Communication and Speech	3
PY120	General Psychology	3
Major Requirements		
Course	**Course Name**	**Credits**
ED220	Human Growth and Development	3
HL120	Medical Terminology	2
HL131	Basic Life Support for Health Care Providers	1
HL202	Nutrition	3
NU110	Nursing Foundations	8
NU160	Pharmacology for Practical Nurses	4
NU220	Adult Medical-Surgical Nursing	8
NU230	Maternal and Newborn Concepts & Skills	3
NU240	Pediatric Nursing Concepts & Skills	3
NU250	Mental Health Nursing	3
NU280	Nursing Trends	1
NU281	NCLEX-PN Review and Transition	2
NU292	Practical Nursing Practicum	6
SI106	Drug Calculations for Practical Nursing	1
SI132/132L	Human Anatomy & Physiology II (3)/Human Anatomy & Physiology II Lab (1)	4
SI150/150L	Introduction to Microbiology (3)/Introduction to Microbiology Lab (1)	4
	Program Total	**75-76**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3-4	SI150/ 150L	Introduction to Microbiology (3)/Introduction to Microbiology Lab (1)	4
MA110A	Finite Mathematics	3	HL131	Basic Life Support for Health Care Providers	1
SI131/ 131L	Human Anatomy & Physiology I (3) and Human Anatomy & Physiology I Lab (1)	4	SI132/ 132L	Human Anatomy & Physiology II (3)/Human Anatomy & Physiology II Lab (1)	4
HL120	Medical Terminology	2	PY120	General Psychology	3
HL202	Nutrition	3	ED220	Human Growth and Development	3
	Total	**15-16**		**Total**	**15**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
NU110	Nursing Foundations	8	NU220	Adult Medical-Surgical Nursing	8
NU160	Pharmacology for Practical Nurses	4	NU230	Maternal and Newborn Concepts & Skills	3
SI106	Drug Calculations for Practical Nursing	1	NU240	Pediatric Nursing Concepts & Skills	3
EN125	Introduction to Human Communication and Speech	3			
	Total	**16**		**Total**	**14**
Year 3					
Semester 4			**Semester 5**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
NU250	Mental Health Nursing	3			
NU292	Practical Nursing Practicum	6			
NU280	Nursing Trends	1			
NU281	NCLEX-PN Review and Transition	2			
CS151	Windows Applications	3			
	Total	**15**		**Total**	**0**
	Year 1 Total	**30-31**		**Year 2 Total**	**30**
	Year 3 Total	**15**			
				Program Total	**75-76**

Associate of Science in Pre-Architectural Drafting

The A.S. in Pre-Architectural Drafting covers pre-architecture, building materials and properties, technical drafting, basic Computer Aided Drafting (CADD), architectural computer modeling, and an introductory engineering course. This program prepares students for entry-level employment as CADD operators, draftsmen/women, architect assistants, or as a bridge to enter a career as an Architect which requires a Bachelor's degree or higher. Graduates are prepared for the professional workforce with sound theoretical knowledge and hands-on experience. This program is an area emphasized in the Architecture & Construction Career Cluster; one out of 16 career clusters in Career & Technical Education.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Pre-Architectural Drafting program, students will be able to:
1. Demonstrate knowledge and skills needed to design and draft projects ranging from two to three dimensional designs for commercial and residential buildings.
2. Demonstrate basic skills needed to view, print, edit, and create variations of two and three dimensional electronic designs.
3. Develop a professional work ethic needed in the architectural engineering industry.
4. Create an electronic portfolio that represents proficiency in the development of two and three dimensional computer aided designs.

General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110A	Freshman Composition with Instructional Lab	4
EN110	Freshman Composition	3
Course	**Course Name**	**Credits**
MA161A	College Algebra & Trigonometry I	4
CS151	Windows Applications	3
PY120	General Psychology	3
SI141	Applied Physics I	4
SO130	Introduction to Sociology	3
Major Requirements		
Course	**Course Name**	**Credits**
AE103	Basic Blueprint Reading	3
AE121	Technical Engineering Drawing I	3
AE122	Technical Engineering Drawing II	3
AE138	Building Codes, Specifications & Construction Management	3
AE150	Computer Aided Drafting I (CAD I)	3
AE160	Computer Aided Drafting II (CAD II)	3
Choose 1		
AE216	Descriptive Geometry	3
AE170	Revit Architecture Essentials	

Major Requirements (Continued)		
Course	**Course Name**	**Credits**
CE121	Properties of Materials	3
CE215	Construction Procedures	3
CE221	Strength of Materials	3
CE225	Construction Planning & Estimating	3
EN194	Technical Communication	3
CS101	Introduction to Computer Systems & Information Technology	3
OR101	Introduction to Engineering Technology	3
MA161B	College Algebra & Trigonometry I	4
	Program Total	**66-67**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
AE103	Basic Blueprint Reading	3	AE122	Technical Engineering Drawing II	3
AE121	Technical Engineering Drawing I	3	AE138	Building Codes, Specifications & Construction Management	3
CS101	Introduction to Computer Systems & Information Technology	3	AE150	Computer Aided Drafting I (CAD I)	3
CE215	Construction Procedures	3	CE121	Properties of Materials	3
SO130	Introduction to Sociology	3	MA161A	College Algebra & Trigonometry I	4
EN___	English Requirement	3-4			
	Total	**18-19**		**Total**	**16**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
AE160	Computer Aided Drafting II (CAD II)	3	AE216/ AE170	Descriptive Geometry OR Revit Architecture Essentials	3
CE225	Construction Planning & Estimating	3	CE221	Strength of Materials	3
PY120	General Psychology	3	EN194	Technical Communication	3
MA161B	College Algebra & Trigonometry II	4	CS151	Windows Applications	3
OR101	Introduction to Engineering Technology	3	SI141	Applied Physics I	4
	Total	**16-17**		**Total**	**16**
	Year 1 Total	**34-35**		**Year 2 Total**	**32-33**
				Program Total	**66-67**

Associate of Science in Supervision and Management

The Supervision and Management program prepares students for entry-level positions and employment in the field of supervision and management. The program is designed for students who want to learn, update and augment existing knowledge and skills and/or acquire cutting-edge technical and managerial skills; it is also designed for current and future leaders, supervisors, and managers who desire the latest skills to be effective and productive in their respective fields.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Supervision & Management program, students will be able to:
1. Describe supervisory techniques to manage people and projects.
2. Explain planning, organizing, staffing, and controlling functions of an organization.
3. Discuss ethical behavior required in businesses.

Course	Course Name	Credits
General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110A	Freshman Composition with Instructional Lab	4
EN110	Freshman Composition	3
Course	**Course Name**	**Credits**
MA110A	Finite Mathematics	3
PY120	General Psychology	3
SO130	Introduction to Sociology	3
Computer Literacy (Choose 1)		
CS151	Windows Applications	3
CS152	Macintosh Applications	
Natural & Physical Sciences (Choose 1)		
SI103/103L	Introduction to Marine Biology (3) & Introduction to Marine Biology Laboratory (1)	4
SI110/110L	Environmental Biology (3) & Environmental Biology Laboratory (1)	
Major Requirements		
Course	**Course Name**	**Credits**
AC211	Accounting Principles I	4
EC110	Principles of Economics	3
SM108	Introduction to Business	3
SM208	Personnel Supervision	3
SM211	E-commerce Management	3
SM215	International Management	3
SM220	Management Skill Development	3
SM225	Leadership	3
SM230	Business Law Applications	3
SM240	Employment & Labor Law	3
SM245	Ethics & Stakeholders Management	3

Major Requirements (Continued)		
Electives (Complete 9 Credits)		
Course	**Course Name**	**Credits**
MK123	Principles of Marketing	3
MK205	Entrepreneurship	3
OA211	Business Communication	3
OA250	Office Procedures	3
PY125	Interpersonal Relations	3
SM205	Purchasing	3
SM292	Supervision & Management Practicum	3
	Program Total	**65-67**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3-4	AC211	Accounting Principles I	4
MA110A	Finite Mathematics	3		Computer Literacy Requirement	3
PY120	General Psychology	3	EC110	Principles of Economics	3
SM108	Introduction to Business	3	SM220	Management Skill Development	3
SM208	Personnel Supervision	3	SO130	Introduction to Sociology	3
	Total	**15-16**		**Total**	**16**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
SI103 r SI110	Natural & Physical Sciences Requirement	4	SM245	Ethics & Stakeholders Management	3
SM225	Leadership	3		Elective	3
SM230	Business Law Applications	3	SM215	International Management	3
SM240	Employment & Labor Law	3	SM211	E-commerce Management	3
	Elective	3		Elective	3
	Total	**16**		**Total**	**15**
	Year 1 Total	**31-32**		**Year 2 Total**	**31**
				Program Total	**62-63**

Associate of Science in Surveying Technology

The Surveying Technology program prepares the student for immediate employment as a surveying or Geographic Information Systems (GIS) technician and teaches the student knowledge and skills that will enable one to adapt to ever evolving technical and technological changes in geospatial field and office applications. The graduate will be prepared to face the challenge of modern Surveying and GIS practice. The program emphasizes applications-based approaches and provides an overview of the geospatial fields of surveying, mapping, and GIS and prepares the student for further study and for the Level 3 Certified Survey Technician examination prepared by the American Congress of Surveying and Mapping-National Society of Professional Surveyors (ACSM/NSPS).

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Surveying Technology program, students will be able to:
1. Demonstrate preparedness to enter productive technical position in the geospatial fields of surveying, mapping, and Geographic Information Systems.
2. Successfully pass the American Congress of Surveying and Mapping-National Society of Professional Surveyors (ACSM/NSPS) Level 3 Certified Survey Technician examination.
3. Develop a professional work ethic needed in the surveying industry.
4. Demonstrate ability to utilize modern measurement technologies to acquire spatial data and employ industry-standard software to solve technical problems.

Course	Course Name	Credits
General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110A	Freshman Composition with Instructional Lab	4
EN110	Freshman Composition	3
Course	**Course Name**	**Credits**
MA161A	College Algebra & Trigonometry I	4
SO130	Introduction to Sociology	3
CS151	Windows Applications	3
PY120	General Psychology	3
SI141	Applied Physics I	4
Major Requirements		
Course	**Course Name**	**Credits**
AE121	Technical Engineering Drawing I	3
AE150	Computer Aided Drafting I (CAD I)	3
CE211	Plane Surveying I	3
CE222	Plane Surveying II	3
CS101	Introduction to Computer Systems & Information Technology	3
HL130	First Aid & Safety	1
MA161B	College Algebra & Trigonometry II	4
OA101	Keyboarding and Document Processing	3

Major Requirements (Continued)		
Course	**Course Name**	**Credits**
SU100	Surveying Drafting	3
SU101	Surveying Problems I	3
SU230	Advanced Surveying	3
SU240	Boundary Law I	3
SU241	Boundary Law II	3
SU250	Introduction to Geographic Information Systems	3
SU251	Advanced Geographic Information Systems	3
SU280	Special Topics in Geographic Information Systems	3
SU292	Surveying Practicum	1
	Program Total	**68-70**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3-4	MA161B	College Algebra & Trigonometry II	4
MA161A	College Algebra & Trigonometry I	4	CE222	Plane Surveying II	3
CS101	Introduction to Computer Systems & Information Technology	3	OA101	Keyboarding and Document Processing	3
CE211	Plane Surveying I	3	AE150	Computer Aided Drafting I (CAD I)	3
AE121	Technical Engineering Drawing I	3	SU101	Surveying Problems I	3
			SU100	Surveying Drafting	3
	Total	**16-17**		**Total**	**19**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CS151	Windows Applications	3	SU251	Advanced Geographic Information Systems	3
SI141	Applied Physics I	4	PY120	General Psychology	3
SU250	Introduction to Geographic Information Systems	3	SU280	Special Topics in Geographic Information Systems	3
SU240	Boundary Law I	3	SO130	Introduction to Sociology	3
SU230	Advanced Surveying	3	HL130	First Aid & Safety	1
			SU292	Surveying Practicum	1
			SU241	Boundary Law II	3
	Total	**16**		**Total**	**17**
	Year 1 Total	**35-36**		**Year 2 Total**	**33**
				Program Total	**68-69**

Associate of Science in Tourism & Travel Management

The Tourism and Travel Management program is designed for individuals who aspire to begin a career in the tourism and travel industry. Students are introduced to management and operating principles of different sectors of the industry to prepare them for a meaningful career, leadership roles, or entrepreneurial opportunities.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Tourism & Travel Management program, students will be able to:
1. Exhibit professionalism and work ethics as it relates to the tourism and travel industry.
2. Explain the inter-relationship among component parts of the tourism system.
3. Create a career plan identifying additional training needed for professional success.

Course	Course Name	Credits
General Education Requirements		
EN___	Freshman Composition Requirement	3
MA___	Mathematics Requirement	3-4
	Literacy for Life Requirement	3
	Humanities & Fine Arts Requirement	3-4
SI___	Natural & Physical Sciences Requirement	4
	Social & Behavioral Sciences Requirement	3
Major Requirements		
Course	**Course Name**	**Credits**
HS150	Welcome to Hospitality	3
HS152	Customer Service	3
HS157	Tourism and Planning Development	3
HS158	Introduction to MEEC	3
HS160	Hospitality Supervision	3
HS254	Hospitality & Travel Marketing	3
HS255	Airline Management	3
HS257	Principles of Tour Guiding	3
HS265	Eco Tourism	3
HS292	Hospitality and Tourism Practicum	3
JA110	Japanese I	4
MK125	Social Media Marketing	3
Choose One		
KE110	Korean I	4
KE111	Korean II	
	Program Total	**60-62**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3	HS152	Customer Service	3
MA___	Mathematics Requirement	3-4	JA110	Japanese I	4
	Social & Behavioral Sciences Requirement	3	SI___	Natural & Physical Sciences Requirement	4
KE110 OR KE111	Korean I or Korean II	4	HS257	Principles of Tour Guiding	3
HS150	Welcome to Hospitality	3			
	Total	**16-17**		**Total**	**14**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
	Literacy for Life Requirement	3	HS254	Hospitality & Travel Marketing	3
	Humanities & Fine Arts Requirement	3-4	HS255	Airline Management	3
HS157	Tourism and Planning Development	3	HS265	Eco Tourism	3
HS158	Introduction to MEEC	3	HS292	Hospitality and Tourism Practicum	3
HS160	Hospitality Supervision	3	MK125	Social Media Marketing	3
	Total	**15-16**		**Total**	**15**
	Year 1 Total	**30-31**		**Year 2 Total**	**30-31**
				Program Total	**60-62**

Associate of Science in Visual Communications

The Associate of Science in Visual Communications focuses on the creative elements in the world of technology. Three major areas are addressed in this program: print, video and interactive media. Although the areas of study are different in delivery, they incorporate skills that are common to all. The curriculum is geared towards training students to enter the professional industry.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AS in Visual Communications program, students will be able to:
1. Apply the visual elements of line, shape, value, color, texture, typography and space in the creation of visual products.
2. Produce and edit photographic and scanned images.
3. Plan, record and edit video productions.
4. Examine career opportunities in Visual Communications.

Course	Course Name	Credits
General Education Requirements		
EN___	English Requirement	3
MA___	Mathematics Requirement	3-4
CS 152	Macintosh Applications	3
VC101	Introduction to Visual Communications	3
SI___	Natural & Physical Sciences Requirement	4
Social and Behavioral Sciences (Choose One)		
PY120	General Psychology	3
PY125	Interpersonal Relations	
Major Requirements		
Course	Course Name	Credits
VC101	Introduction to Visual Communications	
VC125	Digital Graphics: Raster	3
VC126	Digital Graphics: Vector	3
VC127	Digital Photography	3
VC128	Design Principles & Elements	3
VC211	Design Studio I	3
VC212	Design Studio II	3
VC221	Interactive Studio I	3
VC222	Interactive Studio II	3

Major Requirements (Continued)		
Course	**Course Name**	**Credits**
VC231	Video Production I	3
VC232	Video Production II	3
VC291	Project Management and Marketing Solutions	3
VC292	Visual Communication Practicum	3
MK123	Principles of Marketing	3
MK 224	Advertising	3
	Program Total	**61-62**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3	VC101	Introduction to Visual Communications	3
MA___	Mathematics Requirement	3-4	MK123	Principles of Marketing	3
CS 152	Macintosh Applications	3	VC127	Digital Photography	3
VC125	Digital Graphics: Raster	3	VC128	Design Principles & Elements	3
VC126	Digital Graphics: Vector	3		Social & Behavioral Sciences Requirement	3
	Total	**15-16**		**Total**	**15**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
VC211	Design Studio I	3	VC291	Project Management and Marketing Solutions	3
VC212	Design Studio II	3	MK 224	Advertising	3
VC221	Interactive Studio I	3	SI___	Natural & Physical Sciences Requirement	4
VC222	Interactive Studio II	3	VC232	Video Production II	3
VC231	Video Production I	3	VC292	Visual Communication Practicum	3
	Total	**15**		**Total**	**16**
	Year 1 Total	**30-31**		**Year 2 Total**	**31**
				Program Total	**61-62**

Associate of Arts in Culinary Arts

The mission of the Culinary Arts Program is to provide students with practical culinary skills and a strong business foundation to prepare students for high-wage employment and to meet industry demand for trained culinarians.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AA in Culinary Arts program, students will be able to:
1. Demonstrate the attributes of a professional culinarian.
2. Apply culinary fundamentals in the preparation of a variety of food products.
3. Use quantitative techniques in business decision making processes in a culinary setting.
4. Manage resources in a commercial culinary environment.

General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110A	Freshman Composition with Instructional Lab	4
EN110	Freshman Composition	3
Course	**Course Name**	**Credits**
CUL 145	Culinary Math	3
CS151	Windows Applications	3
PY125	Interpersonal Relations	3
EN125	Introduction to Human Communication and Speech	3
SI110 /110L	Environmental Science (3)/Environmental Science Lab (1)	4
Major Requirements		
Course	**Course Name**	**Credits**
CUL120	Food Safety and Sanitation	2
CUL140	Culinary Foundation I	2
CUL160	Culinary Foundation II	2
CUL180	Garde Manger	2
CUL200	Foundations of Baking and Pastry	2
CUL220	Intermediate Baking and Pastry	2
CUL240	Pacific Asian Cuisine	2
FSM270	Foodservice Human Resource Management	3
CUL299	Culinary Capstone	2
CUL293A	Culinary Practicum Part I	3
CUL293B	Culinary Practicum Part II	3
FSM100	Introduction to the Foodservice Profession	2
FSM110/110L	Professional Dining Room Service (2)/ Professional Dining Room Service Lab (1)	3

Major Requirements (Continued)		
Course	**Course Name**	**Credits**
FSM115	Purchasing and Receiving	2
FSM130	Professional Bar and Alcohol Management	3
FSM154	Foodservice Nutrition	3
FSM240	Menu Planning	3
	Program Total	**60-61**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3-4	CUL140	Culinary Foundation I	2
CUL145	Culinary Math	3	PY125	Interpersonal Relations	3
CUL120	Food Safety and Sanitation	2	CS151	Windows Applications	3
FSM110/110L	Professional Dining Room Service (2)/Professional Dining Room Service Lab (1)	3	EN125	Introduction to Human Communication and Speech	3
FSM100	Introduction to the Foodservice Profession	2	FSM115	Purchasing and Receiving	2
			CUL160	Culinary Foundation II	2
	Total	**13-14**		**Total**	**15**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
SI110/110L	Environmental Science (3)/Environmental Science Lab(1)	4	FSM130	Professional Bar and Alcohol Management	3
CUL200	Foundations of Baking and Pastry	2	FSM270	Foodservice Human Resource Management	3
CUL220	Intermediate Baking and Pastry	2	CUL293B	Culinary Practicum Part II	3
CUL293A	Culinary Practicum Part I	3	CUL240	Pacific Asian Cuisine	2
FSM154	Foodservice Nutrition	3	CUL180	Garde Manger	2
			FSM240	Menu Planning	3
	Total	**14**		**Total**	**16**
Year 3					
Semester 5					
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CUL299	Culinary Capstone	2			
	Total	**2**		**Total**	
	Year 1 Total	**28-29**		**Year 2 Total**	**30**
	Year 3 Total	**2**			
				Program Total	**60-61**

Associate of Arts in Education

The Education Program's mission is to prepare individuals to be professional educators, show a positive attitude toward all students and their families, obtain the skills to plan and implement a program that is safe, educational, and healthy.

The Associate of Arts in Education is designed to provide entry-level training for persons interested in working in educational settings. The program also serves as a career/educational ladder for those interested in pursuing a Bachelor's Degree in the field. Emphasis is placed on students learning skills that cover a broad range of educational areas. Only technical requirement courses that have a grade of "C" or better in will be counted towards the Certificate degree.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AA in Education program, students will be able to:
1. Demonstrate professionalism and ethical conduct within the educational field.
2. Effectively and respectfully communicate with students, staff and families including those from diverse backgrounds and special populations.
3. Implement various developmentally and age-appropriate teaching, assessment and guidance strategies needed to effectively work with students in a K-12 classroom setting.

General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110A	Freshman Composition with Instructional Lab	4
EN110	Freshman Composition	3
Course	**Course Name**	**Credits**
MA110A	Finite Mathematics	3
CS___	Computer Literacy Requirement	3
HU120	Pacific Cultures	3
PY120	General Psychology	3
SI110/110L OR SI130/130L	Environmental Biology (3)/ Environmental Biology Laboratory (1) OR Introduction to Marine Biology (3)/Marine Biology Lab (1)	4
Major Requirements		
Course	**Course Name**	**Credits**
ASL100	American Sign Language I	4
ED150	Introduction to Teaching	3
ED180	Educational Methods	3
ED220	Human Growth & Development	3
ED231	Introduction to Exceptionalities	3
ED292	Education Practicum	3
EN125	Introduction to Human Communication & Speech	3
HI121	World Civilization (Pre-historic Time to 1500)	3
HL202	Nutrition	3
PS140	American Government	3

Major Requirements (Continued)		
Electives (Students may choose any post-secondary level course not already listed)		
Course	**Course Name**	**Credits**
	Elective	4
	Elective	3
	Elective	3
	Program Total	**60-61**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3-4	MA110A	Finite Mathematics	3
ED150	Introduction to Teaching	3	ED220	Human Growth & Development	3
	Elective	3	ED231	Introduction to Exceptionalities	3
HU120	Pacific Cultures	3	HL202	Nutrition	3
ASL100	American Sign Language I	4		Elective	4
	Total	**16-17**		**Total**	**16**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN125	Introduction to Human Communication & Speech	3	ED292	Education Practicum	3
ED180	Educational Methods	3	PS140	American Government	3
PY120	General Psychology	3	CS___	Computer Literacy Requirement	3
HI121	World Civilization (Pre-historic Time to 1500)	3		Elective	3
SI___	Natural and Physical Sciences Requirement	4			
	Total	**16**		**Total**	**12**
	Year 1 Total	**32-33**		**Year 2 Total**	**28**
				Program Total	**60-61**

Associate of Arts in Liberal Studies

Liberal Studies students will explore courses in a variety of disciplines and receive the critical thinking, communication, and problem-solving skills that will prepare them for an array of future careers and life-long learning. Guided by advisors and educators, students will carve out a path that is right for them, and must choose one (1) of four (4) tracks of specialization. Students in the program will also complete various general education requirements for transfer to a four-year program.

Program Student Learning Outcomes (SLOs):
Upon successful completion of the AA in Liberal Studies program, students will be able to:
1. Plan for an advanced program of study in a particular field or to achieve a career goal, based on interests, skills, and an awareness of different disciplines.
2. Examine local, regional, and global issues from multiple perspectives.
3. Internalize their role as a global citizen in a local and/or regional context.

Students may choose one of the following tracks. Credits for the tracks come from elective credits. Courses chosen from related fields must be approved by an advisor, English Department Chair, or Registrar.

Please see important note regarding major requirements on page 146.

Liberal Studies Track		
General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110A	Freshman Composition with Instructional Lab	4
EN110	Freshman Composition	3
Course	**Course Name**	**Credits**
MA___	Mathematics Requirement	3-4
CO110	Critical Thinking	3
Natural and Physical Sciences (Choose 1)		
SI103/103L	Introduction to Marine Biology (3)/ Introduction to Marine Biology Laboratory (1)	4
SI105/105L	Introduction to Physical Geology (3)/ Introduction to Physical Geology Laboratory (1)	
SI110/110L	Environmental Biology (3)/ Environmental Biology Laboratory (1)	
Social and Behavioral Sciences (Choose 1)		
SO130	Introduction to Sociology	3
PY100	Personal Adjustment	
PY120	General Psychology	
WG101	Women and Gender Studies	
Humanities and Fine Arts (Choose 1)		
ASL100	American Sign Language I	4
JA110	Japanese I	
CH110	Chamorro I	
KE110	Korean I	
HM110	Introduction to Community Services	
WG101	Introduction to Women and Gender Studies	

Major Requirements		
Category A (Choose 1)		
HI121	World Civilization (Pre-historic Time to 1500)	3
HI122	World Civilization (1500 to Present Time)	
PI101	Introduction to Philosophy	
HM110	Introduction to Community Services	
WG101	Introduction to Women and Gender Studies	
Category B		
EN111	Writing for Research	3
Category C		
EN125	Introduction to Human Communication and Speech	3
Category D (Choose 1)		
HU120	Pacific Cultures	3
HI176	Guam History	
ED265	Culture and Education in Guam	
HM201	Social Welfare and Development	
Category E (Choose 1)		
ED265	Culture and Education in Gam	3
PY100	Personal Adjustment	3
HM110	Introduction to Community Services	3
HI176	Guam History	3
HU120	Pacific Cultures	3
ASL110	American Sign Language II	4
CH111	Chamorro II	4
JA111	Japanese II	4
KE111	Korean II	4
SI103/1103L	Introduction to Marine Biology (3)/ Introduction to Marine Biology Laboratory (1)	4
SI105/105L	Introduction to Physical Geology (3)/ Introduction to Physical Geology Laboratory (1)	4
SI110/110L	Environmental Biology (3)/ Environmental Biology Laboratory (1)	4
Category F (Choose 1)		
TH101	Introduction to the Theater	3
EN210	Introduction to Literature	
Electives		
	Any college level course not previously taken	3
	Any college level course not previously taken	3
	Any college level course not previously taken	3
	Any college level course not previously taken	3
	Any college level course not previously taken	3
	Any college level course not previously taken	3
	Any college level course not previously taken	3
	Any college level course not previously taken	3
	Program Total	**61-63**

Business Track		
General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110A	Freshman Composition with Instructional Lab	4
EN110	Freshman Composition	3
Course	**Course Name**	**Credits**
MA___	Mathematics Requirement	3-4
CO110	Critical Thinking for Civic Engagement	3
Natural and Physical Sciences (Choose 1)		
SI103/103L	Introduction to Marine Biology (3)/ Introduction to Marine Biology Laboratory (1)	4
SI105/105L	Introduction to Physical Geology (3)/ Introduction to Physical Geology Laboratory (1)	
SI110/110L	Environmental Biology (3)/ Environmental Biology Laboratory (1)	
Social and Behavioral Sciences (Choose 1)		
SO130	Introduction to Sociology	3
PY100	Personal Adjustment	
PY120	General Psychology	
WG101	Women and Gender Studies	
Humanities and Fine Arts (Choose 1)		
ASL100	American Sign Language I	4
JA110	Japanese I	
CH110	Chamorro I	
KE110	Korean I	
Major Requirements		
Category A (Choose 1)		
HI121	World Civilization (Pre-historic Time to 1500)	3
HI122	World Civilization (1500 to Present Time)	
PI101	Introduction to Philosophy	
HM110	Introduction to Community Services	
WG101	Introduction to Women and Gender Studies	
Category B		
EN111	Writing for Research	3
Category C		
EN125	Introduction to Human Communication and Speech	3
Category D (Choose 1)		
HU120	Pacific Cultures	3
HI176	Guam History	
ED265	Culture and Education in Guam	
HM201	Social Welfare and Development	
Category E (Choose 1)		
ED265	Culture and Education in Gam	3
PY100	Personal Adjustment	3

Course	Course Name	Credits
HM110	Introduction to Community Services	3
HI176	Guam History	3
HU120	Pacific Cultures	3
ASL110	American Sign Language II	4
CH111	Chamorro II	4
JA111	Japanese II	4
KE111	Korean II	4
SI103/1103L	Introduction to Marine Biology (3)/ Introduction to Marine Biology Laboratory (1)	4
SI105/105L	Introduction to Physical Geology (3)/ Introduction to Physical Geology Laboratory (1)	4
SI110/110L	Environmental Biology (3)/ Environmental Biology Laboratory (1)	4

Category F (Choose 1)		
Course	**Course Name**	**Credits**
TH101	Introduction to the Theater	3
EN210	Introduction to Literature	

Business Electives		
	Elective (Any AC, SM, or MK, HS, VC, CUL, FSM course or related field)	3
	Elective (Any AC, SM, or MK, HS, VC, CUL, FSM course or related field)	3
	Elective (Any AC, SM, or MK, HS, VC, CUL, FSM course or related field)	3
	Elective (Any AC, SM, or MK, HS, VC, CUL, FSM course or related field)	3
	Elective (Any AC, SM, or MK, HS, VC, CUL, FSM course or related field)	3
	Elective (Any AC, SM, or MK, HS, VC, CUL, FSM course or related field)	3
	Elective (Any AC, SM, or MK, HS, VC, CUL, FSM course or related field)	3
	Elective (Any AC, SM, or MK, HS, VC, CUL, FSM course or related field)	3
	Program Total	**61-63**

Health and Science Track		
General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110A	Freshman Composition with Instructional Lab	4
EN110	Freshman Composition	3
Course	**Course Name**	**Credits**
MA___	Mathematics Requirement	3-4
CO110	Critical Thinking for Civic Engagement	3
Natural and Physical Sciences (Choose 1)		
SI103/103L	Introduction to Marine Biology (3)/ Introduction to Marine Biology Laboratory (1)	4
SI105/105L	Introduction to Physical Geology (3)/ Introduction to Physical Geology Laboratory (1)	
SI110/110L	Environmental Biology (3)/ Environmental Biology Laboratory (1)	
Social and Behavioral Sciences (Choose 1)		
SO130	Introduction to Sociology	3
PY100	Personal Adjustment	
PY120	General Psychology	
WG101	Women and Gender Studies	

Humanities and Fine Arts (Choose 1)		
ASL100	American Sign Language I	4
JA110	Japanese I	
CH110	Chamorro I	
KE110	Korean I	
Major Requirements		
Category A (Choose 1)		
HI121	World Civilization (Pre-historic Time to 1500)	3
HI122	World Civilization (1500 to Present Time)	
PI101	Introduction to Philosophy	
HM110	Introduction to Community Services	
WG101	Introduction to Women and Gender Studies	
Category B		
EN111	Writing for Research	3
Category C		
EN125	Introduction to Human Communication and Speech	3
Category D (Choose 1)		
HU120	Pacific Cultures	3
HI176	Guam History	
ED265	Culture and Education in Guam	
HM201	Social Welfare and Development	
Category E (Choose 1)		
ED265	Culture and Education in Gam	3
PY100	Personal Adjustment	3
HM110	Introduction to Community Services	3
HI176	Guam History	3
HU120	Pacific Cultures	3
ASL110	American Sign Language II	4
CH111	Chamorro II	4
JA111	Japanese II	4
KE111	Korean II	4
SI103/1103L	Introduction to Marine Biology (3)/ Introduction to Marine Biology Laboratory (1)	4
SI105/105L	Introduction to Physical Geology (3)/ Introduction to Physical Geology Laboratory (1)	4
SI110/110L	Environmental Biology (3)/ Environmental Biology Laboratory (1)	4
Category F (Choose 1)		
Course	**Course Name**	**Credits**
TH101	Introduction to the Theater	3
EN210	Introduction to Literature	
Health and Science Electives		
	Elective (Any MA, SI, HL, NU, MS, CJ, HM courses or related field)	3
	Elective (Any MA, SI, HL, NU, MS, CJ, HM courses or related field)	3
	Elective (Any MA, SI, HL, NU, MS, CJ, HM courses or related field)	3

	Elective (Any MA, SI, HL, NU, MS, CJ, HM courses or related field)	3
	Elective (Any MA, SI, HL, NU, MS, CJ, HM courses or related field)	3
	Elective (Any MA, SI, HL, NU, MS, CJ, HM courses or related field)	3
	Elective (Any MA, SI, HL, NU, MS, CJ, HM courses or related field)	3
	Elective (Any MA, SI, HL, NU, MS, CJ, HM courses or related field)	3
	Program Total	**61-63**

CHamoru Education and Culture Track		
General Education Requirements		
Course	**Course Name**	**Credits**
English (Choose 1)		
EN110A	Freshman Composition with Instructional Lab	4
EN110	Freshman Composition	3
Course	**Course Name**	**Credits**
MA___	Mathematics Requirement	3-4
CO110	Critical Thinking for Civic Engagement	3
Natural and Physical Sciences (Choose 1)		
SI103/103L	Introduction to Marine Biology (3)/ Introduction to Marine Biology Laboratory (1)	4
SI105/105L	Introduction to Physical Geology (3)/ Introduction to Physical Geology Laboratory (1)	
SI110/110L	Environmental Biology (3)/ Environmental Biology Laboratory (1)	
Social and Behavioral Sciences (Choose 1)		
SO130	Introduction to Sociology	3
PY100	Personal Adjustment	
PY120	General Psychology	
WG101	Women and Gender Studies	
Humanities and Fine Arts (Choose 1)		
ASL100	American Sign Language I	4
JA110	Japanese I	
CH110	Chamorro I	
KE110	Korean I	
Major Requirements		
Category A (Choose 1)		
HI121	World Civilization (Pre-historic Time to 1500)	3
HI122	World Civilization (1500 to Present Time)	
PI101	Introduction to Philosophy	
HM110	Introduction to Community Services	
WG101	Introduction to Women and Gender Studies	
Category B		
EN111	Writing for Research	3
Category C		
EN125	Introduction to Human Communication and Speech	3
Category D (Choose 1)		
HU120	Pacific Cultures	3

HI176	Guam History	
ED265	Culture and Education in Guam	
HM201	Social Welfare and Development	
Category E (Choose 1)		
ED265	Culture and Education in Gam	3
PY100	Personal Adjustment	3
Category E (Choose 1)		
HM110	Introduction to Community Services	3
HI176	Guam History	3
HU120	Pacific Cultures	3
ASL110	American Sign Language II	4
CH111	Chamorro II	4
JA111	Japanese II	4
KE111	Korean II	4
SI103/1103L	Introduction to Marine Biology (3)/ Introduction to Marine Biology Laboratory (1)	4
SI105/105L	Introduction to Physical Geology (3)/ Introduction to Physical Geology Laboratory (1)	4
SI110/110L	Environmental Biology (3)/ Environmental Biology Laboratory (1)	4
Category F (Choose 1)		
Course	**Course Name**	**Credits**
TH101	Introduction to the Theater	3
EN210	Introduction to Literature	
CHamoru Education and Culture Electives		
	CHamoru Education and Culture related course	3
	CHamoru Education and Culture related course	3
	CHamoru Education and Culture related course	3
	CHamoru Education and Culture related course	3
	CHamoru Education and Culture related course	3
	CHamoru Education and Culture related course	3
	CHamoru Education and Culture related course	3
	CHamoru Education and Culture related course	3
	Program Total	**61-63**

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credit**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3-4	EN111	Category B: Writing for Research	3
MA___	Mathematics Requirement	3-4	EN125	Category C: Intro to Human Communication and Speech	3
	Category A: Requirement	3		Natural and Physical Science Requirement	4
	Elective 1	3		Category D: Requirement	3
	Elective 2	3		Elective 3	3
	Total	**15-17**		**Total**	**16**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credit**	**Course**	**Course Name**	**Credits**
CO110	Critical Thinking for Civic Engagement for Civic Engagement	3		Humanities and Fine Arts Requirement	4
	Social and Behavioral Sciences Requirement	3		Category F: Requirement	3
	Category E: Requirement	3		Elective 6	3
	Elective 4	3		Elective 7	3
	Elective 5	3		Elective 8	3
	Total	**15**		**Total**	**16**
	Year 1 Total	**30-32**		**Year 2 Total**	**31**
				Program Total	**61-63**

The categories A, B, C, D, E, and F above correspond to the following UOG gen ed categories:

Category A: Human Systems and Organizations (Tier II)
Category B: Core Foundation (Tier I)
Category C: Core Foundation (Tier I)
Category D: Cultural Perspectives (Tier II)
Category E: Uniquely UOG (Tier II)
Category F: Creative and Expressive Arts (Tier II)

Note on Major Requirements: Where more than one option is presented, choose one course from each category. Choose courses not previously taken for General Education or another category. If you are planning to transfer, you should choose courses that align with the general education requirements of your desired major at a four-year institution. Consult with your advisor to create your educational plan.

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 & Education in Guam	3
EN125	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 (3) & Environmental Biology Laboratory (1)	
SI141	Applied Physics I	
SI 150/150L	Introduction to Microbiology (3) & Introduction to Microbiology Laboratory (1)	
SI131/131L	Human Anatomy & Physiology I (3) & Human Anatomy & Physiology I Laboratory (1)	
SI132/132L	Human Anatomy & Physiology II (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**
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	Foundations of Career and Technical Education	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 Grading	3
CTE400	CTE Program Management & Leadership	3
CTE410	CTE Methods of Teaching III: 21st Century Teaching Methodology	3
CTE492	Student Teaching/Practicum	12
CTE498	Praxis III Review	2
CTE499	Applied Research: CTE Capstone	3
	Program Total	**130**

Program of Study: For High School Graduates

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN___	English Requirement	3-4	EN111	Writing for Research	3
MA115	Fundamentals of College Algebra	3	MA151	Introductory Statistics	3
	CTE Specialization	3		CTE Specialization	3
ED265	Culture & Education in Guam	3	SI___	Natural & Physical Science Theory	3
	CTE Specialization	3	SI___L	Natural & Physical Science Lab	1
				CTE Specialization	3
Total		**15-16**	**Total**		**16**
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CO110	Critical Thinking for Civic Engagement	3	PY120	General Psychology	3
ED150	Introduction to Teaching	3	EN125	Introduction to Human Communication and Speech	3
ED220	Human Growth & Development	3		CTE Specialization	3
	CTE Specialization	3		CTE Specialization	3
	CTE Specialization	3		CTE Specialization	3
Total		**15**	**Total**		**15**
SUMMER: CTE299A & CTE299B: Praxis IA & IB Course Review and Testing - 3 Credits					
Year 3					
Semester 5			**Semester 6**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CTE300	Foundations of Career and Technical Education	3	PY325	Work Ethic in Career and Technical Fields	3
CTE310	CTE Methods of Teaching I: Planning and Preparation	3	CTE340	CTE Methods of Teaching II: Instructional Delivery	3
CTE320	Classroom and CTE Laboratory Management	3	CTE350	Assessment and Grading	3
CTE330	Educational Technology	3	CTE400	CTE Program Management & Leadership	3
	CTE Specialization	3	CTE410	CTE Methods of Teaching III: 21st Century Teaching Methodology	3
Total		**15**	**Total**		**15**
SUMMER: CTE498: Praxis III Course Review and Testing - 2 Credits					
Year 4					
Semester 7			**Semester 8**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
EN300	Writing for Educators	3	CTE492	Student Teaching/Practicum	12
MA385	Applied Statistics	3		CTE Specialization	4
CTE499	Applied Research: CTE Capstone	3	ED300	Principles of Adult Teaching & Learning	3
	CTE Specialization	3			
	CTE Specialization	3			
Total		**15**	**Total**		**19**
				Program Total	**130**

For students holding an associate's or a bachelor's degree in a CTE field of study

Year 1					
Semester 1			**Semester 2**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
ED150	Introduction to Teaching	3	EN111	Writing for Research	3
MA115	College Algebra	3	MA151	Introduction to Statistics	3
CO110	Critical Thinking for Civic Engagement	3	EN125	Introduction to Human Communication and Speech	3
ED220	Human Growth and Development	3	PY120	General Psychology	3
ED265	Culture and Education on Guam	3			
	Total	**15**		**Total**	**12**
SUMMER: CTE299A & CTE299B: Praxis IA & IB Course Review and Testing - 3 Credits					
Year 2					
Semester 3			**Semester 4**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CTE300	Foundations of Career and Technical Education	3	CTE340	CTE Methods of Teaching II: Instructional Delivery	3
CTE310	CTE Methods of Teaching I: Planning and Preparation	3	CTE350	Assessment and Grading	3
CTE320	Classroom and CTE Laboratory Management	3	CTE400	CTE Program Management & Leadership	3
CTE330	Educational Technology	3	CTE410	CTE Methods of Teaching III: 21st Century Teaching Methodology	3
			PY325	Work Ethic in Career and Technical Fields	3
	Total	**12**		**Total**	**15**
SUMMER: CTE498: Praxis III Course Review and Testing - 2 Credits					
Year 3					
Semester 5			**Semester 6**		
Course	**Course Name**	**Credits**	**Course**	**Course Name**	**Credits**
CTE499	Applied Research: CTE Capstone	3	CTE492	Student Teaching/Practicum	12
EN300	Writing for Educators	3			
MA385	Applied Statistics	3			
ED300	Principles of Adult Teaching & Learning	3			
	Total	**12**		**Total**	**12**
				Program Total	**130***

*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.