



*Students First,  
Mission Always*

ACADEMIC YEAR  
2017-2018





## *40<sup>th</sup> Year Anniversary*

### **MISSION STATEMENT**

Guam Community College is a leader in career and technical workforce development, providing the highest quality, student-centered education and job training for Micronesia.

### **VISION**

Guam Community College will be the premier educational institution for providing globally recognized educational and workforce development programs.

Created by the Community College Act of 1977, Guam Community College offers associate degrees, certificates, and industry certification in more than 50 fields of study. GCC also offers a U.S. Department of Labor approved apprenticeship program in conjunction with over 100 island employers, in addition to Adult Basic Education, an Adult High School diploma program, high school equivalency testing and preparation, and English as a Second Language courses.





# Guam Community College

**AY 2017-2018  
College Catalog**

The electronic version of this catalog is available online at [catalog.guamcc.edu](http://catalog.guamcc.edu).

The electronic catalog, its addenda, course and program offerings, and applicable academic policies and regulations serve as the authoritative version of this catalog.

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## Foreword from the President

Hafa Adai,

Welcome to the 40<sup>th</sup> Anniversary edition of the Guam Community College Catalog. We've come a long way since 1977. Our programs and most of our campus buildings have undergone a complete transformation, as we have infused them with sustainable technologies and the tools you will need to be successful in your academic endeavors here at GCC.

We are also undergoing an institutional transformation designed to help you reach 100% student success. What is 100% success? It is what you, the student, define as YOUR success – whether your goal is to graduate with an associate degree or certificate, successfully complete a course, or just acquire a new skill. The important component here is that it is YOUR goal, and that GCC is here to help you achieve it. One of our transformative changes to help you achieve that goal has been to offer our new Chalani 365 year-round registration. Now you can register for an entire academic year at one time. The beauty of Chalani 365 is that you no longer have to worry about registering every semester or getting into that needed course. Register once per year and be assured of getting into the courses you will need to advance to the next level or to graduate.



Another transformative change has been our CLYMER program, “Classroom Learning Yields Math & English Readiness.” CLYMER allows high school graduates that have earned good grades in higher-level math or English courses to enroll in college-level math and English courses without taking a placement exam. GCC also offers tutoring, instructor office hours, computer labs, research assistance in our Learning Resource Center, mentorship through our Project Aim program, and more. A source of pride here at GCC is that our graduates often tell us the one-on-one attention they receive from our faculty and staff really made a difference in their ability to be successful in their courses.

As you page through our 2017-2018 catalog, think about your goals and what it will take for you to achieve them. I urge you to meet with a GCC counselor, academic advisor, or a faculty member and discuss your individual path to success. Above all, know that at GCC, we are here to help you along that path.

Mary A. Y. Okada, Ed.D.  
President  
Guam Community College

## Academic Vice President's Message

Welcome to GCC!

As the Vice President for Academic Affairs at Guam Community College, my role is to ensure that the courses offered in this 40<sup>th</sup> Anniversary GCC Academic Year 2017-2018 Catalog follow the strict guidelines required by the Accrediting Commission for Community and Junior Colleges, or ACCJC. While you may not be familiar with this acronym, at GCC, we are very familiar with it, because accreditation for the College has everything to do with you, the student. As an accredited institution, many of the courses you complete at GCC will transfer to other higher education institutions. Your path to success starts here, and will take you as far as your dreams can reach.



For the 2017-2018 Academic Year, in addition to our Chalani 365 year-round registration and our CLYMER math and English registration programs, we have also added the following improvements:

- A new Industry Certification in Light Duty Hybrid Electric Vehicle Technology (containing four brand new courses);
- Industry Certification in Cosmetology, continuing in Fall 2017;
- Re-institution of our Certificate in Sign Language Interpreting; and
- Revision in credit requirements for a number of Certificate and degree programs that went through curriculum changes within the past academic year.

We've made these improvements due to industry demand and in order to align our programs with ACCJC standards. As you peruse the courses in this year's catalog, be sure to also look at the SLOs, or Student Learning Outcomes, provided for each course. These SLOs guide the learning process to ensure that you will complete each course having acquired the knowledge and skills to be successful in that field of study.

As per our mission statement, at GCC, we, take pride in offering "the highest quality, student-centered education and job training for Micronesia." We do this for one reason: you, our students. Your success is our mission, and as President Okada noted on the previous page, we are here to help you succeed.

Welcome to Guam Community College, and best wishes on your educational journey.



R. Ray D. Somera, Ph. D.  
Vice President for Academic Affairs

# **General Information**

## History of the College

Guam Community College is a public postsecondary educational institution, created by Public Law 14-77 in 1977 (as amended by P.L. 31-99 in 2011) to strengthen and consolidate career and technical education (CTE) on Guam. The College operates secondary and postsecondary CTE programs, adult and continuing education, community education, and short-term specialized training. These programs are delivered both on and off-campus, in satellite programs and on site at businesses as needed. The College also serves as the State Board of Control for career and technical education under the United States Vocational Education Act of 1946, 1963, and subsequent amendments, and the 2016 Carl D. Perkins Act. The College offers over 30 courses of study, and prepares students for entry into the workforce, or transfer to four-year colleges and universities with advanced standing in professional and technical degree programs. The College offers a variety of community service and special programs to prepare students for college experiences, including adult education (English as a Second Language, Adult Basic Education, and Adult High School) and HiSET® and GED® high school equivalency exams.

## Vision

Guam Community College will be the premier educational institution for providing globally recognized educational and workforce development programs.

## Mission Statement - Board of Trustees Policy 100

Guam Community College is a leader in career and technical workforce development, providing the highest quality, student-centered education and job training for Micronesia.

Sinangan Misi3n (Chamorro translation):

*Guiya i Kulehon Kumunidat Guåhan, i mas takhilo' mamanan fin'a'che'cho' yan i teknikat na kinahulo' i manfáfache'cho' ya u na' guáguaha nu i manakhilo' yan manmaolek na tiningo' ni i manmamananágui yan i fina'na'guen cho'cho' para Maikronesiha.*

## Core Values

### Diversity

We value an engaged, inclusive culture that embraces diverse points of view and collaboration to accomplish the College's common goals.

### Accountability

We value a culture of institutional and individual responsibility, transparency, and continuous assessment and improvement.

### Service

We support and recognize service at all levels of the College. We strive to contribute to the benefit of the College, students, community, and our neighboring islands within Micronesia.

### Integrity

We hold high standards of character and integrity as the foundation upon which the College is created.

### Learning-Centered

We foster intellectual flexibility, knowledge, and skills by integrating teaching, assessment, and learning to promote continuous improvement of our programs and services to support our scholarly community.

### Student-Focused

We are committed to education, inquiry and service in order to meet our students' ever growing and changing needs. We promote lifelong learning, civic and social responsibility, leadership, and career growth.

## Regional Accreditation

Guam Community College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges (ACCJC), 10 Commercial Blvd., Suite 204, Novato, CA. 94949, phone (415) 506-0234, fax (415) 506-0238. ACCJC is an institutional accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and the U.S. Department of Education. Documents describing the accreditation of the College may be examined at the Vice President for Academic Affairs' office. Please contact the Vice President for further information or to make arrangements to examine the accreditation documents.

## Program Accreditation

The Associate of Arts in Culinary Arts program is accredited by the American Culinary Federation Education Foundation's (ACFEF) Accrediting Commission, which is recognized by the Council of Higher Education Accreditation (CHEA). Initial accreditation was granted on December 31, 2014 and will expire on December 31, 2017. Additionally on October 2016, the College received notification that the World Association of Chefs' Societies or Worldchefs awarded WACS Recognition of Quality Culinary Education to Guam Community College.

## Facilities and Faculty

The College is located in Mangilao, Guam on a campus over 22-acres in size. Standard classroom facilities are housed in permanent concrete buildings. Metal buildings are used primarily for shop facilities in career and technical education.

Shop spaces are provided for Auto Mechanics, Auto Body, Construction Trades, Welding, and Air Conditioning and Refrigeration courses. Special laboratories are used for instruction in the Allied Health, Computer Science, Office Technology, Networking Systems Technology, Visual Communications, and the Hospitality/Tourism programs.

The GCC faculty are qualified by their education and experience to offer courses and programs that achieve the educational objectives of the College. Faculty credentials are found at the back of this student catalog. Please refer to the GCC Fact Book for more detailed information on the College's instructional facilities and faculty profile. Contact the Office of Assessment, Institutional Effectiveness, and Research (AIER) for a copy. AIER is located at the 2nd floor of the Student Services and Administration Building, Suites 2226 and 2227, with telephone numbers (671) 735-5520 and 735-5612.

GCC also serves secondary schools by offering Career and Technical Education (CTE) programs in the Guam Department of Education (GDOE) high schools. Presently, there are six (6) GDOE high schools located throughout the island where various CTE classes are taught by GCC faculty.

## Catalog Contents Disclaimer

Guam Community College has made reasonable efforts to provide information that is accurate at the time of this catalog's publication. However, the College reserves the right to make appropriate changes in procedures, policies, calendars, requirements, programs, courses and fees. When feasible, changes will be announced prior to their effective date.

## Copyright Policy

Guam Community College adheres to the provisions of the U.S. copyright law (Title 17, United States Code, Section 101, et seq.). Additional copyright information is available at the College Learning Resource Center.

## Non-discrimination Statement

Guam Community College complies with all federal and territorial rules and regulations and prohibits discrimination on the basis of age, race, color, national origin, gender, sexual orientation or disability. This holds true for all students who are interested in participating in educational programs and/or extracurricular activities. Further information may be obtained in the GCC Student Handbook available online at [www.guamcc.edu](http://www.guamcc.edu), or the Dean's Office, School of Technology & Student Services in the Student Services & Administration Building, 2<sup>nd</sup> Floor, Suite 2229.

## Student Code of Conduct

The Guam Community College has broad responsibilities for the education of the student and the College's standards of behavior can be considered part of the educational process. Guam Community College expects that each student will obey federal and territorial laws as well as College regulations. Any act that interferes with the rights of others, disrupts or impairs the normal function of the College, damages or destroys property, or impairs health or safety is grounds for disciplinary action. Students who interfere with the personal liberty of others on campus are liable to expulsion and to such other penalties as may be imposed by law. Students are provided due process in disciplinary adjudication. Student conduct at all times should reveal mature judgment and a sense of moral, civic and academic responsibility. For a detailed explanation of GCC's Student Rights and Responsibilities and the Student Code of Conduct, see the GCC Student Handbook or go online at [www.guamcc.edu](http://www.guamcc.edu), click on Student Services and Student Handbook. Each GCC student is responsible for reading and understanding the GCC Student Handbook.

## Academic Integrity

Academic integrity is fundamental to learning and is consistent with the Institutional Learning Outcomes (ILOs) espoused at Guam Community College. The concept of academic integrity lies at the very heart of any college, and learning and scholarship cannot thrive without this fundamental value. Therefore, academic dishonesty cannot be tolerated. Students who commit such acts expose themselves to sanctions as severe as expulsion from the College.

Academic dishonesty can take different forms, including, but not limited to: cheating, plagiarism, and technology misuse and abuse. In any situation in which students are unsure of what constitutes academic dishonesty, it is the students' responsibility to raise the question with their instructor. It is also the students' responsibility to be familiar with the student guidelines on academic integrity.

Some common violations of these basic standards of academic integrity include, but are not limited to:



**Cheating:** Using or attempting to use unauthorized assistance, material, or study aids in examinations or other academic work, or preventing or attempting to prevent another from using authorized assistance, material, or study aids.

**Plagiarism:** Passing off someone else's work as his or her own. This can range from failing to cite an author for ideas in a student's paper to cutting and pasting paragraphs from different websites to handing in a paper downloaded from the internet.

All are considered plagiarism. Students who plagiarize are likely to be caught, and the consequences will be severe and will include anyone who enabled the plagiarism to take place. College policy will kick in, regardless of the feelings of either the students or the instructor. Students found guilty of plagiarism will have this entered into their record and may be expelled from the College.

**Fabrication:** Submitting contrived or altered information in any academic exercise. Examples: making up data for an experiment; “fudging” data; citing nonexistent or irrelevant articles; presenting fraudulent excuses, lies, letters of recommendations.

**Multiple submissions:** Submitting, without prior permission, any work submitted to fulfill another academic requirement. Example: submitting the same paper for two different classes without the expressed consent of both professors.

**Misrepresentation or falsification of academic records:** Misrepresenting or tampering with or attempting to tamper with any portion of a student's transcripts or academic record, either before or after enrolling at Guam Community College.

**Facilitating academic dishonesty:** Knowingly helping or attempting to help another violate any provision of this code. Example: working together on a take-home exam or other individual assignment, discussing an exam with a student who has yet to take it, giving tests or papers to another student, etc.

**Unfair advantage:** Attempting to gain unauthorized advantage over fellow students in an academic exercise. Examples: gaining or providing unauthorized access to examination materials (either past or present); obstructing or interfering with another student's efforts in an academic exercise; lying about a need for an extension for an exam or paper; continuing to write even when time is up during an exam; destroying, hiding, removing, or keeping library materials, etc.

### **Policy on Substance Abuse**

Guam Community College endeavors to lead students and employees to higher ideals of character and public service. The College commits itself to the goals of developing the mind, clarity of thought, and to the development of the human spirit. Abuse of alcohol and other drugs is recognized as an impediment to these goals and as a threat to the College's mission of education and training.

### **Workplace Violence Prevention Policy**

Guam Community College is committed to providing a safe environment for students and employees. GCC can best perform its missions of teaching, training and public service when faculty, students, staff and visitors share a climate that supports a safe learning environment that is free from disruptive, threatening and violent behavior. Special Workplace Violence Policies and Procedures can be accessed in the GCC Student Handbook, at the office of the Associate Dean responsible for Student Services or at the Human Resources Office located in the Student Services & Administration Building, 1st Floor.

### **Tobacco and Betel Nut (Pugu'a) Free Policy**

As a way to promote the health and welfare of the College campus community, the Board of Trustees established Board of Trustees Policy No. 175 that requires the Guam Community College premises to be Tobacco and Betel Nut (Pugu'a) Free effective June 1, 2007. The policy was further amended on May 30, 2013 to include electronic cigarettes. To comply with the Board of Trustees Policy No. 175 and Administrative Directive No. 2006-05, all employees and students are expected to adhere to the following:

- Do not use tobacco products while on Guam Community College property.
- Do not use electronic cigarette (e-cigs) devices while on Guam Community College property.
- Do not chew or spit pugu'a while on Guam Community College premises.
- Assist with the enforcement of Board of Trustees Policy No. 175.

Violation of the Board of Trustees Policy and Administrative Directive will be addressed in accordance with the disciplinary actions outlined in the Personnel Rules & Regulations, the GCC Student Handbook, and the Board-Faculty Union Agreement, 2017-2023.

### **Sexual Harassment Prevention Policy**

As required by the Higher Education Amendments of 1992, the College has a Sexual Harassment Prevention Policy to promote awareness of rape, acquaintance rape and other sex offenses and the procedures for reporting such offenses among all College constituents. More details regarding the Board of Trustees' Policy 185 are available in the GCC Student Handbook, which is posted on the College's website, [www.guamcc.edu](http://www.guamcc.edu).

## **Student Support Services**

### **Career Guidance and Counseling Services**

A full range of counseling services is offered to students including orientation to college programs and services, college placement tests, career counseling, personal counseling and student rights advocacy. Counselors are available in the Student Services & Administration Building on a walk-in or appointment basis. Counselor hours are posted in the Student Services & Administration Building.

### **Pre-Enrollment Counseling**

Students who have applied for admission or who are planning to enroll for the first time are encouraged to contact a counselor for educational and/or career and technical education guidance services. Students are provided with information regarding admissions procedures, placement testing requirements, instructional programs, and other services. Those who are undecided about career goals or objectives are provided with career guidance services, which may include assessment of interests and aptitudes and exploration of career fields.

### **College's English and Mathematics Placement Test**

Effective October 2016, ACCUPLACER replaced COMPASS as the college's placement test. Placement test results are valid for two (2) years. While placement testing is not mandatory for admission to the College, it is required for enrollment in English and Mathematics courses, which are required early in all programs. Under GCC's new CLYMER (Classroom Learning Yields Math & English Readiness) program, a recent (within two years) GDOE high school graduate who has earned a minimum GPA of 3.2 and taken higher level math or senior English courses can enroll into college-level math and English courses without taking a placement exam. Learn more about CLYMER at [www.guamcc.edu](http://www.guamcc.edu) under Admissions. Students can schedule their test online after making payment by visiting [www.guamcc.edu](http://www.guamcc.edu) and clicking on Placement Test under Admissions tab. The College reserves the right to require students to be re-evaluated using its placement test at any time.

### **Career Information and Guidance**

Information, materials, and counselor assistance are available to students who need help in career educational planning and to learn about their interests, abilities, goals and values. Computer-assisted career search programs and information on schools and colleges that provide additional training for occupations are also available.

### **Personal/Social Counseling Services**

Counselors provide personal growth and development counseling. Students experiencing adjustment problems, stress, anxiety, difficulties in relationships with others, or other symptoms of emotional distress may receive individual counseling on an appointment basis, or in some cases be referred to services in the community. College counselors are trained professionals, and all information related to the person receiving counseling is confidential and may be released only with the written permission of the student.

### **Student Rights Advocacy**

The counseling staff is responsible for promoting the welfare of students and assisting them in the protection of their basic human rights. Counselors will, when requested, take an active role in advising students of their rights to privacy, freedom of expression and viewpoints, freedom of the press, and rights to due process. Counselors will assist in mediation of disputes and grievances and act as the advocate of the student. Related policies and procedures are found in the GCC Student Handbook.

### **Advisement**

Academic Advising at the College is a process that assists students in clarifying their life and career goals as they develop their educational plan. Since academic advising is also a decision-making process, the ongoing communication is the responsibility of both the student and his/her advisor.

Academic Advising goes beyond requirements and registration. It is an educational and career plan developed between the student and the advisor.

Guam Community College partners with its students to succeed. This is reflected in the following activities:

- Assisting students in clarifying, articulating, and attaining academic and life goals;
  - Facilitating each student's academic adjustment to the campus;
  - Educating students to assess academic progress and develop appropriate educational plans;
  - Explaining and clarifying graduation requirements and academic rules and regulations;
  - Serving as advocates and mediators for students; and
  - Referring students to appropriate departments or programs to meet student needs.
- The student is expected to meet with his/her academic advisor regularly to plan an academic program and review achievement.

Advisor assignments are made in accordance with the student's program of study and are intended to be continuous throughout the student's college career. Additional information may be obtained from the Admissions and Registration Office, Student Services & Administration Building, 1st. floor.

## Health Services

The Health Services Center is staffed by one full-time registered nurse, one licensed practical nurse and an administrative assistant. Students and employees of the college may utilize its services.

### The services available at the Health Services Center are:

- basic first aid for injuries and medical conditions that occur during school time;
- assessment and nursing management of chronic health problems based on the client's physician-prescribed therapeutic regimen;\*
- annual screening of employees for tuberculosis (TB) as required by law;
- screening of students for TB in compliance with public law and school policy;
- administration of TB skin test;
- immunization program;\*
- immunization audit in compliance with public law and school policy;
- Brief Tobacco Intervention program;
- screening of height & weight, blood pressure, vision, and pediculosis;\*
- pregnancy testing and prenatal follow-up;\*
- advocacy for persons with disabilities;
- referral services on health management;
- counseling on health and health-related issues;
- health promotion/education through class presentations; and
- STD and HIV testing and treatment in partnership with DPHSS.

*\*Services are rendered upon availability of staff and resources.*

### The health requirements for students include:

- TB clearance within one (1) year prior to school registration. For any individual entering from an area other than the U.S. states or territories, Public Law 22-130 requires that tuberculosis test must be conducted within 6 months prior to enrollment. Those with positive test results must obtain medical evaluation from their private medical clinic first and then proceed to the TB Section of the Department of Public Health & Social Services for clearance;
- Measles, Mumps, Rubella (MMR) - Students must at least have one dose on or after their first birthday. Guam Immunization Protocol indicates that it is strongly recommended that individuals born in or after 1957 receive two doses of MMR, if they never had measles (physician-diagnosed), or if they do not have confirmed laboratory evidence of measles immunity. Those born prior to 1957 are exempted from the MMR requirement;
- Tetanus & Diphtheria (TD) received within the last 10 years;
- Oral Polio Vaccine (OPV) for students below 18 years of age; and
- Properly completed Emergency and Health Information form.

Note: Students whose choice of study will place them at risk with the exposure to blood-borne pathogens are advised to follow further instructions by their respective program advisor regarding other health requirements such as hepatitis B vaccine and physical examination.

## Other Services

### Student Parking

The College reserves the right to control parking and the flow of traffic on its campus. Accessible parking for students with disabilities is clearly marked and available in front of the Student Support Services, Building B, the North Parking Lot, by Building 500, and in front of the Student Services & Administration Building. There is also accessible parking in front of Building E. Improperly parked vehicles may be towed away at the owner's expense. The College will not be responsible for any damage done to any vehicle parked on campus. The College does provide security services throughout the campus.

### Food Service

Food service on campus is offered during the Fall and Spring semesters through local vendors Monday - Friday beginning at 7:30a.m. The concessions are closed on Saturdays, Sundays and holidays. Visit [mygcc.guamcc.edu](http://mygcc.guamcc.edu) for more information.

### Bookstore

The Bookstore is located in the Foundation Building 6000. The bookstore is located in room 6104. The Bookstore is open Monday through Friday from 9:00a.m. to 3:00p.m. and closed on weekends and holidays. You may contact the Bookstore at 735-6018 or via e-mail at [bookstore@guamcc.edu](mailto:bookstore@guamcc.edu). Special bookstore hours are set during the registration period and posted online at MyGCC.

### Student I.D. Cards

Students are expected to have a GCC I.D. card on their possession at all times. All students are required to present an I.D. to access services at computer labs, library, Bookstore and Health Services Center, to name a few.

## Center for Student Involvement

The Center for Student Involvement (CSI) oversees an array of student activities, such as New Student Orientation, Leadership Development, Service-Learning, Student Governance, and Student Organizations. Each of these initiatives is guided by the belief that students must become intentionally involved in campus programs and activities in order to become fully prepared for the workplace and for other life commitments as well. CSI assists students and student organizations in planning and implementing programs, activities and events, and plans and implements campus-wide programs to address the needs and interests of GCC's students. It also ensures that student organizations and the Council on Postsecondary Student Affairs (COPSA) achieve success in all their extra-curricular activities.

The CSI initiatives are also designed to foster in students a sense of voice, empowerment and responsibility to the campus community.

## New Student Orientation

The new Student Orientation program is to introduce new students to the Guam Community College services, resources, and opportunities which will support their academic and career goals.

## Leadership Development

Leadership Development assists students in realizing their leadership potential. Involvement, training and development opportunities are offered at individual and organizational levels tailored to fit the unique leadership needs of interested students.

## Service-Learning

Service-Learning is a way of teaching and learning that engages all learners in hands-on academic projects in the community to meet learning objectives and strengthen communities. Students who are civically engaged in their learning are better able to connect classroom learning with real life situations through participation in community service projects.

## Student Governance

The Council on Postsecondary Student Affairs (COPSA) is the official representative body for student governance. COPSA plans student activities, approves student organization budgets and ensures that the College fully considers the needs and interests of students in its decisions and offerings.

## Student Organizations

- *The Administrative Professionals Society (APS)* builds office knowledge and expertise by providing valuable learning opportunities in technology, communication, and professional skills to meet the needs of the individual and the community.
- *The Adult High School Student Organization (AHSSO)* represents all officially registered Adult High School students and serves as a voice to COPSA in submitting student issues, problems and concerns for the Adult High School students.
- *The American Association of University Women (AAUW) Student Chapter*, GCC advances the equity for women and girls through advocacy, education, philanthropy and/or research.
- *The Association of Junior Accountants (AJA)* fosters the growth of the accounting and finance communities in Guam Community College (GCC) and aids organizations associated with these communities.
- *The Collegiate DECA* furthers the understanding and practice of the principles of marketing within the business community and generates revenue for scholarships for marketing students.
- *The Digital Arts Society (DAS)* brings together students interested in the digital arts to assist in their growth and development, building their leadership skills through experiences in social, economic, educational and community activities relative to the field of visual communications.
- *The EcoWarriors* raises awareness and educates the community on sustainability issues including recycling, energy management, and conservation of natural resources.
- *The Education Student Organization (ESO)* serves to support students seeking a degree under the Education Department, including students studying Early Childhood Education, Education and Sign Language Interpreting.
- *The Hospitality and Tourism Society (HOST)* promotes tourism on campus, the community at large and other areas outside of Guam.
- *The Japan Club* promotes the language and culture of Japan through a variety of activities to educate and entertain the campus community.
- *The Math Club* promotes interest, understanding, and knowledge of the mathematical world throughout the college and the local community.
- *The Medical Assistant Student Organization (MASO)* enables medical assisting students to enhance and demonstrate the knowledge, skills, and professionalism required by employers and patients.
- *The Pacific Islands Students Organization (PISO)* provides support for newly enrolled students in their efforts to assimilate into the College and community environments.
- *The Phi Theta Kappa International Honor Society* (Beta Beta Xi Chapter) promotes scholarship, the development of leadership and service, and the cultivation of fellowship.

- *The Practical Nursing Student Association (PNSA)* provides support and leadership opportunities to undergraduate nursing students throughout the nursing program.
- *The Science Club* promotes interest, understanding, and knowledge of the scientific world throughout the college and the local community.
- *The Social Justice Society (SJS)* facilitates networking and career building activities in order to create a more cohesive and professional student community.
- *The Society of Management Industry Leaders for Excellence (SMILE)* supports all students seeking a business degree, teaches members how to be socially aware, and provides service to the community.
- *The Sports and Recreation Club (SPARC)* furthers a common interest in physical activities through competition, instruction, participation, or performance.
- *The Talent Club* increases student morale and school pride by showcasing student talent in various performing arts.
- *The Veterans Club* provides a network of support among student veterans and promotes an understanding of student veteran issues.

## **Educational Resources**

### **Learning Resource Center/Library Services**

On December 10, 2010, the Guam Community College Learning Resource Center, which houses the Library, opened in a new two-story 22,000 square foot state of the art facility. This facility is the first Leadership in Energy and Environmental Design or LEED-certified building for the Government of Guam. The LRC facility includes a reading area/collection section, computer work areas, a computer lab, small group meeting rooms, audio visual rooms, staff areas, and a large group meeting room.

Reference and instructional services are available for classes and individual library users. The Library presently maintains a permanent collection of about 21,000 items comprised of books, periodical titles and videos. Reference books, multimedia materials, magazines and newspapers are available for in-library use. Circulating books may be borrowed for a two-week period; videos may be borrowed for two days. Overdue fines are charged. A coin and bill operated photocopier is also available in the Library. Internet access is provided as well as accessibility to the DYNIX Public Access Catalog (DPAC) and EBSCO host full-text periodical database. The Library web-page with current information can be found on the Guam Community College website.

### **Educational Services – Accommodative Services for Students with Disabilities**

Students with disabilities can be provided with auxiliary aids when needed for success in attaining their academic/vocational goals. If classes required by students with special disabilities have been scheduled to meet in relatively inaccessible facilities, the College will either reschedule the classes to accessible facilities or make special arrangements to ensure ready access by students with disabilities to those classes. Students with disabilities are urged to contact the Accommodative Services Coordinator well in advance of registration for classes.

For more information concerning services at the College for persons with disability-related needs, contact the Accommodative Services Coordinator at the Student Services & Administration Building, Suite 2139. The office telephone number is (671) 735-5597 or TDD (671) 734-8324.

### **Tutoring Services**

Guam Community College provides tutoring services for students in an effort to help them meet their educational objectives. These services are available on a first-come, first-served basis. The focus of these services centers primarily on English and math skills.

## **Federal TRIO Program**

### **Project Aim**

Project AIM is a Student Support Services Federal TRIO Program funded by the U.S. Department of Education. This program provides tutoring in all subjects, counseling (personal and academic), peer counseling and tutoring, cultural enrichment activities, mentorship programs, transfer center services, workshops (on study skills, career decisions, time management, test anxiety) and book assistance awards. These services are available to students meeting federal guidelines, such as low-income level, first generation students (neither parent received a bachelor's degree) and/or students with disabilities. The program is designed to: 1) increase college retention and graduation rates for eligible students; 2) increase the transfer rates of eligible students from 2- to 4-year institutions; and 3) foster an institutional climate supportive of the success of low income and first generation college students and individuals with disabilities. For further information, please contact (671) 735-5594/5 or visit the Project Aim Office in the Student Center Building, Room 5204.

## **Assessment, Institutional Effectiveness, and Research**

Assessment at Guam Community College is viewed as a collective effort to demonstrate commitment to an institutional dialogue about student learning. There are two major reasons that drive all assessment processes at GCC: accountability and improvement. A policy document adopted by the Board of Trustees on September 4, 2002 (Policy 306, Comprehensive Assessment of Instructional Programs, Student Services, Administrative Units and the Board of Trustees) is the institutional mandate that fuels all campus-wide assessment activities.

Three goals effectively guide the Office of Assessment, Institutional Effectiveness, and Research (AIER) in its mission of assessment excellence at the College:

1. To develop and sustain assessment momentum at the college through capacity building efforts that will empower constituents to use assessment results for accountability and improvement;
2. To systematize assessment protocols, processes and policies both in hardcopy and online environments and thereby allow the college to meet its ACCJC/WASC accreditation requirements; and
3. To exert and affirm community college assessment leadership regionally and nationally.

At the core of these processes, are three (3) important questions that the institution asks regarding student learning: *What do students know? What do they think and value? What can they do?* These three questions correspond to the cognitive, affective and behavioral domains of student learning. By continually asking these questions, the College is drawn closer to what it says it can do in both teaching and learning environments and to what it promises its programs and services can deliver in terms of results.

AIER is located at the 2nd floor of the Student Services & Administration Building, Suites 2226, 2227 and 2228 with telephone number (671)735-5520.

## Financial Aid Services

The College believes that each individual should have the opportunity to develop his or her potential to the fullest extent possible. As part of the commitment to that principle, the College makes available financial aid programs which can provide students with money to pay for tuition, books, supplies, transportation and living expenses while they attend college.

### Financial Aid

The Financial Aid Office provides information and advice on how students can gain financial assistance from various sources. Such assistance is available to students with financial need through the Federal Student Aid Programs that include Pell Grant, Federal Work Study, and Federal Supplemental Educational Opportunity Grant. The College is also approved to certify Veteran's benefits. In addition, various independent scholarship programs are available based on a combination of factors such as merit, interest in certain degree programs, and in some cases, need. The College does not administer federal student loan programs. However, the Government of Guam Student Assistance Loan program is available through the office. Applications are available in January and due on April 30 of each year. Students may receive complete financial aid counseling services at the College's Financial Aid Office located on the 1st floor of the Student Services & Administration Building.

### Application Deadlines

The College processes financial aid applications throughout the year. However, most scholarship programs have application deadlines established by the grantor. In the case of Federal Student Aid Programs, students must have completed both the government forms and the entire admissions process at the College in order to qualify. This process should be started well in advance of the semester to be attended in order to prevent delays in payment. Students should complete their applications early to ensure maximum awards. No applications will be accepted after the end of the school year. For further information, contact the Financial Aid Office at (671) 735-5544.

### Types of Financial Aid

**Pell Grant** - This is a grant, which does not need to be prepaid. It is based on financial need, and upon maintaining satisfactory progress at the College. Depending on income, students can be eligible for up to \$5,550.00 per year for full-time enrollment.

**Federal Work Study Program (FWSP)** - Students who qualify for the Pell Grant and who still have remaining financial need may sign up for College Work Study as a means of earning income. These awards are made on a first-come, first-served basis until the funds are spent. Job placement is done by the Financial Aid Office. The awards usually range between \$500 and \$1,000 per year, depending on need.

**Federal Supplemental Educational Opportunity Grant (FSEOG)** - Students who qualify for the Pell Grant and who fall into the greatest need category may also receive FSEOG awards. Typical awards are around \$300 per year.

**Veterans Educational Benefits** - The College is approved for Veteran's benefits. Counseling regarding individual eligibility is available either at the Financial Aid Office or at the Veteran's Administration Offices in Guam. Veterans must comply with established Financial Aid Office policies in order to receive benefits, and must meet established standards of progress.

**Federated States of Micronesia Scholarship Programs** - The neighboring island states have scholarship funds for their students. The island states have generally made the applications and information available to the College. Students who wish to apply may contact either their island's scholarship program office, or the Financial Aid Office.

**Scholarships** - Various private groups and organizations provide scholarships for GCC students. Information about these scholarships is available at the Financial Aid Office and at [www.guamcc.edu](http://www.guamcc.edu)

### Eligibility

Financial Aid, with the exception of gift aid and merit-based scholarships, is awarded on the basis of a student's financial need. A student's financial need is defined as the difference between the cost of the student's education and the student's resources to meet that cost. In general, a student may be eligible for financial aid under the following conditions:

- The student can demonstrate that a financial need exists;
- The student is making satisfactory progress toward a postsecondary educational goal;

- The student is enrolled as a Declared Student;
- The student is a U.S. Citizen, U.S. National, U.S. Permanent Resident, a permanent resident of the Federated States of Micronesia, or a permanent resident of the Commonwealth of the Northern Marianas Islands, or the Republic of the Marshall Islands and the Republic of Palau; and
- The student, if required by federal law, attests to his/her Selective Service status.

**Application Procedures**—Students must complete the Free Application for Federal Student Aid (FAFSA) in order to be considered for any Federal assistance. These applications are available online at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). Students must apply and qualify annually on the basis of demonstrated financial need. To apply, students should first obtain a personal identification number or PIN at [www.pin.ed.gov](http://www.pin.ed.gov) and then go to [www.fafsa.ed.gov](http://www.fafsa.ed.gov) to fill out the form or click on the Financial Aid links at [www.guamcc.edu](http://www.guamcc.edu), then **select the “Financial Aid Checklist”** and follow the directions on that list. The Guam Community College school code is 015361. In addition to the FAFSA, students will need to complete an “Application for Admission as a Declared Student” which is available on the GCC website or at the Admissions desk in the Student Services and Administration building.

**Awards** To be eligible for Title IV funds, a student must be a regular student as defined in section 600.2 of the General Provisions regulations. A regular student is defined as: “A person who is enrolled or accepted for enrollment at an institution for the purpose of obtaining a degree, certificate or other recognized educational credential offered by that institution.” Therefore, students are not eligible to receive Title IV assistance for credit hours/course work, which will not count towards the completion for that student’s degree program requirements. Pell grants are awarded by the Financial Aid Office and disbursed at mid-term. Students can view their account information online at [www.guamcc.edu](http://www.guamcc.edu)

### Student Responsibilities

In order to receive any form of assistance from the Financial Aid Office, all applicants must:

- Complete all necessary application forms and pertinent documents on or before the established deadlines of each school year.
- Be admitted as a “Declared Student.”
- Enroll in a program of study leading towards a postsecondary degree or certificate program. (Adult High School Diploma may be eligible for some financial assistance, e.g., VA Benefits).
- Enroll in courses required for declared program of study.
- Satisfactorily meet progress standards for financial aid. (For further explanation, please visit the Financial Aid website).
- Inform the Financial Aid Office of any changes that may affect their financial assistance.
- Pick up award checks on the scheduled disbursement dates.
- Comply with all other policies established by the Financial Aid Office as described in the Student Handbook and Financial Aid Guide.
- VA students must have previous education credits/military training evaluated. Submit an evaluation request form along with transcripts, DD-214’s etc. to the Registrar’s office.

Students who fail to comply with the above requirements may jeopardize their eligibility for assistance. Furthermore, students are urged to work closely with their program advisors and/or counselors in planning their course of study at GCC.

For more information regarding Financial Aid, contact:

Financial Aid Office  
 Guam Community College  
 P.O. Box 23069  
 Barrigada, Guam 96921  
 (671) 735-5543/44  
[www.pin.ed.gov](http://www.pin.ed.gov)  
[www.fafsa.ed.gov](http://www.fafsa.ed.gov)

### Housing Information

Guam Community College has no housing facilities. The College does not supervise, recommend or assume responsibility for any housing facility. Private housing is available in the community and prospective students should make their own arrangements.

# **Admissions Information**



## Admissions Information

### Student Classifications

A student may be admitted to the College in any one of the following classifications:

A **Declared Student** is a student pursuing a postsecondary certificate or degree. To be eligible, a student must:

- Be a graduate of an accredited or recognized United States high school or international high school with equivalent programs of instruction and comparable standards; or
- Have the equivalent of a high school diploma (e.g., G.E.D);
- Have an AA/AS, BA/BS or higher degree, or successful completion of at least 45 hours of college credit with a cumulative GPA of 2.0 or higher from an accredited or recognized United States college/university or a foreign college/university with equivalent programs of instruction and comparable standards; or
- Be at least sixteen (16) years of age or older and have the ability to benefit from the education or training offered at the College. Students admitted on the basis of ability to benefit from the education or training offered must pass a U.S. Department of Education approved test such as ACCUPLACER prior to enrollment at the College.

An **Undeclared Student** is a student taking courses who has not formally identified a particular degree, certificate or diploma program at the College. Any person below 16 years of age may only enroll as a secondary student in classes held on the College campus, subject to proof of parental consent, home school consent, and College approval. The College will determine if such students are able to benefit from an educational experience delivered in an adult setting.

Full-time international students at other institutions are also eligible but international (F-1 Visa) students who are full-time students at the College may not be admitted as Undeclared Students.

An **Enrichment Student** is a student who does not intend to declare a major or pursue a degree program, but who plans to complete more than 18 credit hours of post-secondary work. Such student would not be required to pursue General Education courses, except in the case where a General Education course is listed as a prerequisite for a course of interest to the student. Should an individual enrolled as an enrichment student subsequently decide to pursue a Certificate or Associate degree program, he/she would be limited to applying up to 18 GCC credits toward any chosen Associate or Certificate program.

A **Diploma Student** is a student pursuing an Adult High School Diploma. To be eligible, a student must be at least 16 years old, not a high school graduate and not attending a regular high school program.

A **Special Student** is a student admitted to the College to participate in a special training project or taking special courses or is pursuing an educational objective not usually available at the College. Any person is eligible to be a Special Student.

A **Training Participant** is a person enrolled in courses not applicable towards a diploma, certificate, degree, or other formal credential. The courses are designed for professional development or personal enrichment and is not part of the regular schedule of classes.

### Acceptance Information

When all information, forms and documents are received, students applying for admission as a Declared Student or as a Diploma Student will be notified by mail of their admission to the College and may be assigned a specific date and time for orientation, placement testing, advisement and registration. Students who are transferring course credits into the College must complete an Evaluation Request form and results will be mailed after reviewed.

In some cases, however, a student may not be permitted to enroll in the beginning courses in their program because:

- Certain prerequisites for the courses have not been met;
- The program may already be fully enrolled; or
- Beginning courses in the program are not offered in that semester.

Only students applying for admission as a Declared Student are formally notified of their acceptance.

### Admission Procedure for Declared Students/Diploma Students

Students applying for admission either as a DECLARED STUDENT or as a DIPLOMA STUDENT are required to complete the following steps prior to admission to the College:

- Submit an *Application for Admission* to the Admissions and Registration Office.
- Students working toward an Adult High School Diploma apply for admission as a Diploma Student.
- Students working toward a certificate or degree apply for admission as a Declared Student. Students applying for admission as a Declared Student must specify the degree or certificate program they intend to pursue.
- Submit official transcripts of all high school and/or college work.
- Submit other information, forms or documents as requested by the College.

**Note:** Consideration for admission is based on a complete submission of all required or requested documents.

Admission is based on the semester in which a complete application is made. Failure to submit a complete application may result in denial of Declared Student status.

If the student is admitted, the student must, in addition:

- Take placement tests, if required, and meet with a College counselor or advisor for advisement and program planning.
- Register for classes during the registration period and pay all tuition and fees in full within the designated payment period.

All documents, transcripts and forms submitted by the student during the admission process become the property of the College and will not be copied for the student's own use, returned to the student, or forwarded on behalf of the student to any other institution.

### **Admission Procedure for Undeclared Students**

No advance application for admission is required for admission as an Undeclared Student.

### **Admission of International Students**

The college is authorized under federal law to enroll nonimmigrant alien students. Nonimmigrant alien students (hereinafter referred to as international students) are not citizens of the United States or aliens permanently residing in the United States. International students must meet the same admission requirements as all other students. In addition, international students must also meet the following special admission requirements:

- Submit, with their Application for Admission, as a Declared Student, an official transcript from the last school, college or university they attended with a notarized or certified translation of the transcript if that document is recorded in a language other than English.
- Have their scores on the Test of English as a Foreign Language (TOEFL) submitted directly to the College. Scores must be from a test taken within the previous two years. Applicants are required to score a minimum of 61 (internet-based), 173 (computer-based) or 500 (paper-based) on the TOEFL. The following applicants are exempt from the TOEFL examination:
  1. those whose native language is English;
  2. those who hold a bachelor's or master's degree from a regionally accredited university or college in the U.S. or a recognized university in Australia, Britain, Canada (excluding Quebec), Ireland, or New Zealand;
  3. those who score 510 or better on the verbal and 510 or better on the writing sections of the SAT;
  4. those who score 22 in English and 22 in reading sections of the ACT;
  5. those who have completed six years of continuous schooling through the high school or college level in American Samoa, Northern Marianas and/or Guam or in one of the countries listed above under (2);
  6. those who have completed English composition at a regionally accredited U.S. institution with a D or better grade;
  7. those who completed at least three years of high school in Guam with a cumulative GPA of 3.2 and SAT critical reading of 460 and SAT writing of 460. Admission to summer ELI classes does not imply a waiver of the TOEFL exam for fall or spring semester admission; or
  8. those who place into EN 110 (Freshman Composition) or higher at Guam Community College or University of Guam, and have a letter of support from the relevant office of the institution (either GCC or UOG) administering the placement test.

Applications and/or requests for scores to be sent to the College should be made by writing to:

TOEFL Programs  
CN 6155  
Princeton, New Jersey 08541-6155 USA

International students will not be notified of their admission to the College until all admission requirements have been fulfilled. International students must have an official Notice of Admission and Form I-20A-B in their possession before coming to Guam. International students must also meet the following requirements:

- Fall within the limit for international student enrollment as mandated by the College.
- Submit a Supplementary Information Form for International Students (including evidence of ability to pay all expenses themselves, or through the support of their families in their native country, or through a sponsor who is either a citizen or permanent resident of the United States).
- Submit any other forms, documents or information as may be required by the College.

International students will be admitted only to a specific certificate or degree program. International students, except in extraordinary circumstances, will not be permitted to change their program of study and must enroll for a minimum of 12 credit hours per semester in courses which are required for their specific program of study.

International students are required to register for English their first semester at the College and each subsequent semester until all English requirements of their program of study are met.

Guam Community College has no dormitory facilities for students. The majority of international students rent rooms or apartments near the College. International students are encouraged to seek housing with English speaking families on Guam in order to facilitate speaking English on all possible occasions.

U.S. Immigration and Customs Enforcement regulations do not permit international students to accept employment while attending college. An international student should not count on being able to accept employment on Guam to work one's way through college.

## **Registration, Withdrawals, and Other Changes**

### **Registration and MyGCC**

MyGCC, is Guam Community College's web-accessible information system that brings all major functional areas such as Student, Financial Aid, Finance, and Human Resources together into a single database information system. With MyGCC, students can register and pay for classes, check grades, and communicate with peers or faculty via student email. The launching of MyGCC is another example of GCC's commitment to preparing students for success in the classroom and at the workplace using proven and cutting-edge technology. Although students may now register online, the Admissions & Registration Office is also always available to assist students and applicants. A Schedule of Classes is published each semester and is available to students before registration.

A Schedule of Classes can be obtained at the Student Services & Administration Building or in GCC's website, [www.guamcc.edu](http://www.guamcc.edu). Students should plan their program of studies using the Catalog and Degree Planner available online at [catalog.guamcc.edu](http://catalog.guamcc.edu).

A student is obligated to pay the tuition and fees for registered courses unless officially dropped on or before payment deadline. Failure to make payment by the due date may result in drop from all classes. For more information, please review the Schedule of Class published at [www.guamcc.edu](http://www.guamcc.edu).

### **Online Registration**

Registration can be performed either at the Admissions & Registration Office or online by logging into MyGCC via the College's website, [www.guamcc.edu](http://www.guamcc.edu). Nevertheless, all students are encouraged to seek academic advisement prior to registration in order to discuss course prerequisites, program requirements, or educational goals. Moreover, students in certain programs are required to meet with their academic advisors to obtain approval for their schedule before they register. These students include those declared in the Adult High School Diploma Program, Associate of Arts in Culinary Arts, Certificate in Practical Nursing, and the Criminal Justice Academy. All international students must clear with Admissions & Registration and obtain schedule approval from their academic advisor prior to registering. In addition, all students must clear outstanding financial obligations with the College at the Cashier's Office, and have immunization updated pursuant to Guam public law, P.L. 22-130. Updated health records must be submitted to the GCC Health Services Center by new and returning students. Students who maintain their continuous student status, students enrolled for classes in at least one regular semester (Fall or Spring) each academic year, do not have to update their health records each academic year unless advised to do so.

### **Chalani 365 Registration**

GCC offers full academic year registration under the Chalani 365 program, allowing students to register for three terms at once (pending term schedule release): summer-fall-spring, fall-spring-summer, or spring-summer-fall. The advantage of Chalani 365 is that students can plan out an entire academic year in advance. They do not have to wait to register for needed classes, or worry that a class they will need to graduate may be full. Students may still register for courses requiring prerequisites; however, if a student drops or does not pass the prerequisite(s), he or she will be dropped from the subsequent classes requiring the prerequisite(s). For more details about Chalani 365, log onto [www.guamcc.edu](http://www.guamcc.edu) under Admissions.

### **Change of Registration**

The deadline for withdrawing from a class is about six weeks prior to the end of the term, and is published in the Schedule of Classes for each term. Any student who fails to officially withdraw from a class by this deadline will be assigned any grade, except "W" for the class. Classes officially dropped will not appear on a student's academic record. Classes withdrawn will be assigned a "W" on the academic record.

### **Complete Withdrawal**

Students who wish to withdraw completely from the College must do so by the deadline for dropping a class. Students who completely withdraw from the College must reapply for admission to the College, if they subsequently desire to re-enroll in the College.

### **Change of Program/Major**

Declared Students enrolled at the College may change their program or major at any time during a regular semester. Request forms are available at the Admissions & Registration Office.

### **Change of Personal Data**

Any change of personal data such as name, address, telephone number and citizenship must be submitted to the Admissions & Registration Office. Copies of supporting documents are required for change of name and citizenship. Some visa restrictions apply to international students.

### **Auditing Courses**

Students wishing to audit a class must complete all admission and registration requirements and procedures, including payment in full of all tuition and fees. Students will be permitted to register on a space-available basis only after all students taking the course for credit have been registered. No credit or grade is given for a course which is audited. Students may participate in class activities only to the extent permitted by the instructor of the class. Students wishing to audit a class must indicate this status at the time of registration.

### **Class Attendance**

Regular and prompt class attendance is expected of all students. Each student is responsible for informing instructors of his or her absences (if possible) and to make arrangements with instructors to complete work missed due to his or her absence from class.

### **Transfer of Credits from Postsecondary Institutions**

GCC will accept credit transfer for all courses successfully completed at any college or university in the United States which is accredited by its regional accrediting body, affiliated accrediting body, the Distance Education Council, or any accrediting body recognized by the United States Department of Education (e.g. MSCHE, NEASC-CIHE, NEASC-CTCI, NCA-HLC, NWCCU, SACS, WASC-ACCJC, WASC-ACSCU, or the DETC) or which is recognized and approved by the Department of Education or Ministry of Education in a foreign country. Credit transfer will be accepted so long as the courses satisfy the following criteria:

- Official transcripts are received directly from the institution where the credits were earned.
- The course is at the postsecondary level; with GCC, this means the course is at the 100 level or above and receives undergraduate level credit.
- Credits earned outside of GCC are equal to or greater than the credits to be received from GCC.
- The student has earned a “C” grade or higher (or equivalent).
- The course is not a credit awarded for life experience.

Evaluations for transfer credit will not begin until official transcripts are received from the originating institution. For a complete list and description of the regional accrediting bodies listed above, please refer to Appendix J of this catalog.

A course which has a discipline designation at the originating institution that corresponds to a discipline designation at GCC will be transferred as coursework in that discipline (e.g. a History course taken elsewhere will transfer as a History course at GCC).

If the transfer course has substantially the same course title and course description as a course at GCC, or where an articulation agreement so indicates, the course will be deemed to be equivalent to the GCC course. Admissions & Registration will contact the originating school, the appropriate academic departments, or Dean’s office if there is a question as to the equivalence of courses.

A course which has a discipline designation at the originating institution which does not correspond to a discipline designation at GCC but for which the course title and description indicates it fulfills a General Education requirement (e.g. SO 130; SI 110) will be entered into the student’s record as fulfilling that general education requirement, upon approval of the department chair and the Dean. A Course Substitution Form will need to be completed and submitted to authorize this transfer.

Program faculty will determine whether any transfer course does or does not fulfill any program requirement, except where there is clear equivalence between the transfer course and the GCC course, in which case the Registrar makes the decision. Transfer students will be advised to contact the Department Chair of their program for evaluation of any course that does not transfer as equivalent to a GCC course but which the student believes should satisfy a program requirement. A form or template will be utilized for this purpose.

The transfer evaluation provided to the student at the beginning of the student’s matriculation at GCC will be entered into the student’s permanent record unless specific errors are found (e.g. misidentifying the number of credits for a course or giving a student credit for a course more than once) or the student requests and is granted a modification by the Dean and the Academic Vice President. In order to perform a transfer evaluation, a student is required to submit a completed Evaluation Request form to the Admissions & Registration office.

Though credits earned with course grades of “C” or better in other accredited or recognized colleges and universities may be accepted for credit at GCC, credits earned with course grades of “D” may also be accepted on a conditional basis until successful completion of subsequent course-work at the College in the same area of study. Only credits applicable toward a diploma, a certificate, or degree at the College will be accepted. Grades, or grade point average will not be transferred. The Registrar, in careful consultation with program faculty (as necessary and appropriate) will determine which credits will be accepted. It is the student’s responsibility to have transcripts of all previous work sent to the College and to request an Evaluation of Records by the Registrar.

## Advanced Placement

Students may be placed in higher-level courses or a sequence of courses on the basis of their high school achievement, training or test results. Credit may be granted for the courses bypassed but both placement and the granting of credit are at the discretion of the Registrar in consultation with the Department Chairperson, the Dean, or the Academic Vice President as necessary and appropriate.

Credit granted through advanced placement will be recorded with a “CR” (satisfactory completion) grade.

Students who wish to be considered for advanced placement must request an evaluation of their high school achievement, training or test results for this purpose.

## Recognition of Non-Traditional Learning

### Credit-By-Examination College Sponsored Examinations

Credit-by-Examination (CBE) is available for some courses at Guam Community College. Interested students should contact the appropriate Dean or Academic Vice President’s office to determine whether or not this option is available for any particular course. To be eligible to earn Credit-by-Examination, students must be registered in the College and must meet all prerequisite requirements for the course they propose to challenge. Courses passed by examination do not carry grade or grade points. If credit is earned, the grade “CR” is recorded. An “NC” (unsatisfactory completion) will be recorded if a student fails to earn Credit-by-Examination. Credit-by-Examination is recorded on a student’s academic record for each course challenged through Credit-by-Examination. After an unsuccessful attempt at Credit-by-Examination, students must wait six months before making another attempt. Students are allowed no more than three attempts to receive Credit-by-Examination for any one course. For each attempt, all applicable tuition and fees must be paid, *without exception*. **No waivers will be allowed.** College credit will only be awarded upon full payment of applicable cost. For further information, contact the Admissions & Registration Office located in the Student Services & Administration Building.

Credit-by-Examination does not fulfill the residency requirement of degree, certificate or diploma programs.

## External Examinations Credit

### External Examinations Credit-Granting Procedure

- A. The various forms of credit evaluation are available only to students currently registered at the College.
- B. Letter grades will not be granted for credits awarded through this program. Instead, “CR” will be used and will not be calculated into the GPA.
- C. Credits awarded through this program will be identified as such on the student’s academic record. They may not be accepted by other institutions.
- D. These credits may not be used to meet the last 12-credit residency requirement for degrees and certificates unless the requirement is waived by a departmental Dean.
- E. Credit may be granted for either electives or required courses.
- F. Credit will be granted only toward a student’s declared program and may require reevaluation if the program is changed.
- G. Evaluation of alternative learning experiences older than ten years, or any period of time designated by a department, may include review for currency.
- H. Evaluation resources such as the American Council on Education (ACE) guides will be consulted, but the College reserves the right to set its own credit-granting policies, which may differ from that of ACE or any other external resource.
- I. The number and type of credits awarded will be governed by the extent to which the knowledge and skills documented in the evaluation process are comparable to the competencies described in existing Guam Community College course documents.

External Examinations Credit is awarded by the College on the basis of the following examinations:

### CLEP General Examinations - Credit Hours

Maximum Credit English Composition (with Essay)	6
Humanities	6
Mathematics	6
Natural Sciences	6
Social Sciences & History	6

CLEP general examinations in English (with essay) will be accepted by the Guam Community College if the score reaches or exceeds the 35th percentile. If the English exam (with essay) reaches or exceeds the 35th percentile, the College will allow a transfer credit equivalent to EN 110 (3 credit hours).

### Other External Exams

- CLEP Subject Examinations
- College Board Advanced Placement Exams

DANTES Subject Standardized Tests (DSSTs)  
 ACT Proficiency Examination Program (PEP)  
 USAFI Subject Standardized Tests (USSTs)

#### USAFI End-of-Course Examinations

A minimum score for credit is determined using the American Council of Education (ACE) recommendations. However, the College reserves the right to reject recommendations from such sources (refer to credit granting procedure above).

### Credit for Prior Learning (CPL)

The College recognizes that students may have had prior learning experiences, which might translate to academic credit. The College adheres to the following standards for assessing such experience:

- Credit should be awarded only for learning, and not for experience.
- College credit should be awarded only for college-level learning.
- Credit should be awarded only for learning that has a balance, is appropriate to the subject, and lies between the theory and practical application of the subject.
- The determination of competence levels, and of credit awards must be made by appropriate subject matter and academic experts.
- Credit should be appropriate to the academic context in which it is accepted.

The College recognizes that students may have acquired learning through traditional college experiences as well as from work and life experience, independent reading and study, the mass media and participation in formal courses sponsored by associations, businesses, government, industry, the military, unions and learning reflected in various examinations.

The College will evaluate prior institutional or college learning as transfer credit and as a basis for advanced placement. The College will evaluate extra-institutional or non-college learning using the prior learning assessment process which includes but is not limited to departmental challenge exams or portfolio assessment. See also "Educational Credit for Training Programs."

#### GCC's Prior Learning Assessment (PLA) evaluation processes include the following:

- Departmental Challenge Exams
- Transfer of credit from other institutions
- Credit articulated through PLA

#### Prior Learning Assessment (PLA) FEES

Fee	Amount
Assessment Request	\$25.00 per request
CPL Credit Award	20% of prevailing resident tuition rate
Challenge Exams	\$75.00 per exam, for paper or computer-based exam
Practical Exam	\$100.00 per practical exam

*Note: No charge for CLEP, AP, credit via formal agreements, or military credit.*

In addition, a variety of practices exist for awarding credit for learning which has taken place outside of higher educational institutions. These include, but are not limited to:

- The American Council on Education: Military and Corporate
- National College Credit Recommendation Service
- Standardized Examinations such as AP, CLEP, DSST, and Excelsior College Exams

For more information on Prior Learning Assessment at Guam Community College, please contact the Admissions & Registration Office, or visit [www.guamcc.edu/Runtime/priorlearningassessmt.aspx](http://www.guamcc.edu/Runtime/priorlearningassessmt.aspx)

## Recognition of Sponsored Learning

### Military Education

Credit may be granted for armed services school and military experience only as recommended by the American Council on Education (ACE).

### Educational Credit for Training Programs

The College awards credit for non-collegiate sponsored instruction as recommended by the National College Credit Recommendation Service (NCCRS) or the American Council on Education in The National Guide To Educational Credit For Training Programs. These credits do not fulfill the residency requirement of (ACE) degree, certificate and diploma programs. Nationally recognized training and certification programs will be assessed on a case-by-case basis.

### Special Project Courses

Special courses are open-entry/open-exit courses; a student may register for a special course during any regular semester or summer session. To register for a special project course, a student must complete the Application to Take form. A student must work with either a counselor or an advisor as well as the supervising faculty member in preparing the Application to Take form. The number of credits to be earned must be specified on the form. A student must obtain the approval of the counselor or advisor, supervising faculty member, Department Chairperson, Dean and the Registrar in order to take a Special Project Course. All special project courses must be approved and start no later than two (2) weeks after the first day of classes for each semester for Fall and Spring, and one week prior to the start of Summer terms.

## Credits, Grades and Examinations

### Credit Load

A student may not register for more than 15 credits in any one semester except under special circumstances. If a student's program of study requires registration for more than 15 credits in any one semester, counselor or advisor approval is required.

### Credits

At the College, each credit hour represents one hour per week in class and two hours outside of class devoted to preparation. Credit is granted in recognition of successful work in attaining Student Learning Outcomes (SLOs) in specific courses. See General Requirements for Certificates and General Requirements for Associate Degrees of this catalog for a statement on SLOs as applied to programs.

### Course Numbering

Courses offered by the College are numbered as follows:

- **000-049** These courses are noncredit courses. These courses may satisfy prerequisite requirements and/or provide appropriate remediation for courses numbered 050-099 in the same subject areas.
- **050-099** These courses except for MA 085 and MA 095 are accepted toward meeting the requirements of the Adult High School and some Certificate/Degree programs.
- **100-299** These courses are accepted toward meeting requirements of the Associate of Arts and Associate of Science degrees conferred by the College. These courses are also accepted toward meeting the requirements of certificates conferred by the College. Exceptions include MA108, EN100R and EN100W.

Course numbers indicate the level of the course. Courses numbered 100-199 are intended for freshman or sophomore students; courses numbered 200-299 are intended for sophomore students.

Courses numbered 100-299 may be used to meet Adult High School Diploma requirements. Diploma Students taking courses numbered 100-299 to meet the Adult High School Diploma should select such courses with the advice and approval of their counselor or advisor.

### Prerequisites

Course prerequisites are courses to be completed or conditions to be met before a student is eligible to enroll in a specific course. A student who has enrolled in a course without first completing all course prerequisites may be dropped from that course. Prerequisites are identified in program listings with a "+" sign. Waivers for course prerequisites can only be obtained from the Department Chairperson for the department which oversees the course. For example, SO130 requires the completion of EN100R and EN100W; therefore, only the department chairperson overseeing sociology courses may waive the prerequisites.

### Course Waivers and Substitutions

Recommendation for a course waiver is made by the department chairperson or academic advisor. For each course waiver there must be an accompanying recommended course substitution. Credit requirements cannot be waived. A declared student wishing to have a course waived or substituted must complete the following steps:

- Submit a Course Substitution Form, which indicates the waiver, to a counselor/advisor who forwards the request to the department chairperson.

- The department chairperson will confer with department members, and if they concur with the request, will forward the recommendation to the appropriate Dean for approval.
- If the Dean concurs with the request, it will be forwarded to the Registrar for verification and recording. If the Dean does not concur with the request, it will be returned to the student with justification via the department chair.

It is important to note that course substitution takes the place of a required course in a program, for as long as the course substitution meets the content and/or spirit of the requirement.

### Repeating a Class

Credit is allowed only once for a course. A course may be repeated if a grade lower than a “C” was received. Credit will be received for the first grade of “C” or better. If a course received a “C” or better and is repeated, the first grade will be counted towards grade points even if the second grade is higher.

**Note:** Prior to fall 2007 the class being repeated will be assigned a repeat grade of “R” before the original grade. Beginning fall 2007, all repeated courses will appear as a letter grade with the repeat indicator appearing in a separate column. All classes being repeated will not affect grade point average.

### Grade Reports

Grade reports can be prepared for students upon the request of the student. It is the student’s responsibility to update their address and mailing information in their student records. Such information may be submitted to the Admissions & Registration Office.

Grade reports will not be faxed or emailed. Additionally, grade reports will not be released to a third party without the student’s written authorization.

Final grades can be accessed by students via the College’s self-service portal, MyGCC.

### Grading

Students are assigned grades by the instructor of each class based on standards of achievement established by the curriculum documents. Students will be informed of these standards through the class syllabus within the first week of instruction of each class each semester.

Faculty evaluation of student work may be appealed using the process described in the Student Grievance Procedure found in the Student Handbook. An Evaluation Review Committee shall be convened to review the faculty member’s evaluation of the student’s work. Students may contact a Counselor for further guidance.

Students who wish to challenge grades must do so within two semesters immediately following the grading period in question. The process for grade appeal can be found in the Student Handbook. The Student Handbook can be found at [www.guamcc.edu](http://www.guamcc.edu) or via the electronic catalog at [catalog.guamcc.edu](http://catalog.guamcc.edu).

### Grading System

The following grades may be issued at the College:

GRADE	POINTS	INTERPRETATION
A	4	Excellent Achievement
B	3	Above Average Achievement
C	2	Average Achievement
D	1	Minimal Passing Achievement
F	0	Failure
TF	none	Technical Failure
TW	none	Technical Withdrawal
W	none	Withdrawal
I	none	Incomplete
CR	none	Satisfactory Completion
NC	none	Unsatisfactory Completion
P	none	Satisfactory Completion/Test-Out (Used for developmental courses only)
Z	none	Satisfactory Progress made, continued enrollment required (Used for developmental courses only)
AU	none	Audit

### Credit/No Credit Option

Students should consult their counselor or advisor before taking courses using the Credit/No Credit option; this option must be declared in writing prior to the first day of instruction. Credit/No Credit is used for all Credit-by-Examination challenges.



**Incomplete or "I" Grade**

This is a temporary grade given at the instructor's option if a student has failed to complete the requirements of the course because of circumstances beyond the student's control. In general, the "I" grade will revert to an "F" (and in no case a "W") if the student fails to complete the course requirements before the end of the next regular semester. Students are responsible for making arrangements with their instructors for completing course-work and are encouraged to make sure that a Change of Grade Form has been submitted on their behalf upon completing course requirements.

**Technical Failure or "TF" Grade**

If a student registers for a class but fails to attend the class, the instructor will award a "TF" grade indicating that the student never attended the class. The "TF" will be entered on the student's permanent record.

**Technical Withdrawal or "TW" Grade**

If a student registers for a class but fails to meet all College requirements for registration in that class (e.g., course prerequisites, immunization/health requirements, etc.), that student may be administratively withdrawn from that class. In such instances, a "TW" grade will be entered on the student's permanent record.

**Grade Point Average**

A student's grade point average (GPA) is computed by dividing the total grade points earned by the total credits attempted, excluding those credits for which "AU", "CR", "I", "NC", "P", "TF", "TW", "W", or "Z" grades are assigned and courses repeated (see section on Repeating a Class for more information).

**Determining Applicable Catalog**

Students maintaining continuous enrollment at Guam Community College may graduate according to the requirements of the catalog in effect at the time of initial acceptance as a Declared Student or according to the requirements of any single catalog in effect during subsequent terms of continuous enrollment thereafter.

Students who are dismissed as Declared Students may only be reinstated using the most current catalog. A semester in which a student earns course credit will be counted toward continuous enrollment. Noncredit courses, audited courses, failed courses, or courses from which the student withdraws do not count toward the determination of continuous enrollment for catalog purposes.

Students who do not enroll for two consecutive regular (fall & spring) semesters are no longer considered continuously enrolled, and must meet requirements of the catalog in effect at the time they return.

Students are not obligated to enroll and earn course credit during summer terms, but summer enrollment may be used to maintain continuous enrollment status.

Students who return during a summer term after an absence must follow the requirements of the catalog in effect for the following fall semester.

Students who do not enroll for two consecutive regular semesters as well as students dismissed from the college as a Declared Student must complete the Application for Re-Entry and must submit it to the Admissions and Registration Office. Students must meet with their advisor or with a counselor prior to the submission of this Application.

**Academic Standing and Scholastic Honors****Standards for Satisfactory Progress**

A Declared Student is making Satisfactory Progress toward a degree or certificate if the cumulative grade point average is 2.00 or higher.

**Satisfactory Progress**

Satisfactory progress standards apply to all Declared Students including all students who receive financial aid at the College. Students receiving financial aid may also visit the Financial Aid Office in Room 2116, Student Services & Administration Building or call 735-5543/4.

**Academic Probation**

At the end of each term, the academic record of each Declared Student enrolled for that term will be compared to the Standards for Satisfactory Progress. Any Declared Student who is not making Satisfactory Progress toward a degree or certificate will be placed on Academic Probation at the end of that term. Any student on Academic Probation may lose financial aid eligibility. Financial Aid Students may also visit the Financial Aid Office in Room 2116, Student Services & Administration Building or call 735-5543/4. Students will be notified of their academic standing by Admissions and Registration Office.

A Declared Student who has been placed on Academic Probation may enroll for at least one subsequent, probationary term. If, after the probationary term, the student's cumulative academic record meets at least the minimum standards, the student will be taken off Academic Probation. If the student's cumulative academic record does not meet the minimum standards applicable to that student, but the academic record during the probationary term demonstrates progress toward meeting the cumulative

minimum standards required for Satisfactory Progress, then that student may enroll for another probationary term at the College at the discretion of the Academic Vice President. Such action is limited to two consecutive semesters.

### **Dismissal**

If the student does not meet at least the minimum standards applicable to that student and fails to demonstrate progress toward meeting the cumulative minimum standards required for Satisfactory Progress during the probationary period, then that student may be dismissed from the College as a Declared Student. The student is not dismissed from the College and may continue as an Undeclared Student. Once satisfactory progress is achieved the student may re-apply for admission as a Declared Student.

### **Reinstatement as a Declared Student**

A student who has been dismissed from the College as a Declared Student may continue to enroll at the College as an Undeclared Student (does not apply to an international student, F-1 Visa). Course-work completed as an Undeclared Student may be used as a basis for application for readmission as a Declared Student. A student who applies for readmission to the College as a Declared Student must demonstrate the ability to meet current academic progress standards. A student who is readmitted to the College as a Declared Student following dismissal from the College will be readmitted on Academic Probation and will be subject to current standards as stated in the College Catalog at the time of reinstatement.

### **Appeals**

Any student has the right to appeal placement on Academic Probation and dismissal from the College as a Declared Student.

Any appeal must be in writing and include supporting documentation.

All appeals will be first submitted to the Registrar who will adjudicate all appeals. A student may appeal the decision of the Registrar using the Student Grievance Procedure.

### **Scholastic Honors**

Students who earn a grade point average of 3.50 or higher for 12 or more credit hours in any given semester at Guam Community College will be placed on the President's List. Postsecondary students graduating from Guam Community College with a cumulative grade point average of 3.50 or higher based on 24 or more credit hours of credit completed at Guam Community College will graduate "With Honors."

### **Time Limit for Course-work**

In areas of study in which the subject matter changes rapidly, material in courses taken long before graduation may become obsolete or irrelevant. Coursework that is more than eight (8) years old is applicable to completion of degree requirements at the discretion of the department of the student's major course of study. Departments may accept such coursework, reject it or request that the student revalidate its substance.

The eight-year limit on coursework applies except when program accreditation agencies limit the life of coursework to less than eight (8) years. Departments may also require students to satisfy current major requirements rather than major requirements in earlier catalogs, when completing earlier requirements is no longer possible or educationally unsound.

The student must indicate which year's catalog requirements they choose to satisfy when submitting the Application for Degree, Certificate, or Diploma. It is the responsibility of the student to apply for any degree, certificate or diploma they have earned.

A student may be awarded a degree, certificate or diploma at the end of any semester in which requirements are completed.

A Commencement Ceremony is held annually at the end of spring semester. The College urges all of its graduates to participate in the Commencement Ceremony. Students who receive their degree, certificate or diploma at the end of summer or fall semester may participate in the Commencement Ceremony.

### **General Requirements for Degree and Certificate Programs**

A student is eligible for a degree or certificate if:

- The student has been admitted as a Declared Student prior to or during the semester in which the requirements of the degree or certificate are completed;
- The student has completed all of the requirements of the degree or certificate program; NOTE: A single course cannot be used to satisfy more than one course requirement in a program.
- The student has completed the total credit requirements of the degree or certificate program;
- The student has a cumulative grade point average of 2.00 or higher; and
- The student has successfully completed at least 12 credit hours of course-work required for the degree or certificate program at the College. A student should apply for a degree or certificate before the sixth (6th) week of the semester during which the student expects to complete all requirements for the degree or certificate.

## Second Certificate or Degree and Multiple Emphasis in Degree Programs

A second certificate and/or degree may be granted provided that a student completes all additional technical, related technical and general education requirements. Some programs of study offer more than one area of emphasis; a student may earn a degree, which includes more than one emphasis so long as the student completes the requirements before the degree is conferred.

### Tuition and Fees<sup>1</sup>

**Resident Student** - \$130.00 per credit hour

A “Resident Student” is a student whose permanent home is on Guam and pays Guam income taxes or is claimed as a dependent by someone who pays Guam income taxes. Active duty military personnel and their dependents are classified as “Resident Students.”

**Nonresident Student** - \$155.00 per credit hour

A “Nonresident” is a student whose permanent home is away from Guam and does not pay Guam income taxes.

**International Student** - \$180.00 per credit hour

An “International Student” is a non-citizen that holds a non-immigrant visa, e.g., B, C, D, F, H, J, L or M visa.

All students will be classified as resident, nonresident or international student for tuition purposes when they register for classes. When the College is unsure of a student’s residency classification, the College will assess the higher tuition rate. The burden of showing that the residence classification should be changed is on the student.

The Residence Classification Policy and Procedures of the College are available for inspection at the Admissions & Registration Office.

The College reserves the right to periodically adjust tuition, but will conduct public hearings in compliance with the Administrative Adjudication Act.

### Fees

The following fees are charged each semester:

Registration Fee .....	\$22.00
Student Identification Card .....	7.00
All students are required to have a Student Identification Card except for students enrolled exclusively in short-term courses and special offerings.	
Library Fee .....	15.00
The Library fee is considered to be a special fee for tuition and fee refund purposes.	
Technology Fee .....	73.00
Of this amount, \$36.50 will cover costs of current operations and the remaining \$36.50 will be set aside in a special fund to systematically upgrade computer labs, software and other technology-related student services.	
Student Activity Fee .....	15.00
Funds are used to support student activities organized under the purview of the Center for Student Involvement (CSI) Office.	
Student Health Fee .....	15.00
Students may receive PPD, MMR vaccinations, and emergency care services at the Student Health Center free of charge. Students failing to appear to have test results read and who are required to repeat a test will have to pay a second student health fee.	
Total Fees .....	\$147.00

### Laboratory Fees

Some courses offered by the College involve the consumption of materials and supplies by each student enrolled in them; lab fees are charged for these classes. Lab fees are listed in the Schedule of Classes each semester.

### Educational Records

Copies of a student’s educational records made pursuant to the provisions of the Family Educational Rights and Privacy Act of 1974 will be made at a cost of \$1.00 per page.

### Audit Fees

Audit fees are the same as those for regular credit classes.

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<sup>1</sup> Tuition & Fees above reflect increases, as outlined in Board of Trustees Resolution 5-2006, adopted on March 9, 2006, and re-adopted on March 10, 2011. Contact the Registrar if you have any questions about the fee increases.

**Late Fee**

The College will charge a non-refundable late fee of \$37.00 to be assessed for the following:

- 1.) Students under “Payment Plan”, or
- 2.) Students under financial assistance whose financial assistance does not cover 100% of student obligation by the end of the Semester.

The College will not assess a Late Fee if, a student registers only for non-credit courses, special course, or open-entry courses.

**Application for Degree, Certificate or Diploma Fee**

The College will charge a \$15.00 application fee. Diplomas and one official set of transcripts will be mailed to students approximately three weeks after the end of the semester in which all requirements have been met. The Commencement Ceremony is held each year at the end of Spring Semester.

**Diploma Re-Order Fee**

The College will charge \$15.00 to reorder a degree, certificate or diploma to be picked up by a student. A \$37.00 fee will be charged for a degree, certificate or diploma to be mailed to a student.

**Placement Test Fee**

The College will charge \$22.00 for the College English and Math placement tests.

**Transcript Requests**

Students may request copies of their academic record (transcript) at the Admissions & Registration Office in the Student Services & Administration Building. Transcripts are usually prepared within five (5) working days. The first copy of a student’s transcript costs \$15.00. Other copies requested at the same time will cost \$1.00. A same day service request of transcripts costs \$30.00. No transcript will be issued by the College if the student has an outstanding financial obligation with the College. Transcripts will not be faxed or emailed.

**Fee Exemption**

Citizens 55 years of age and older are entitled to attend classes offered in the regular schedule of classes at the College without payment of either tuition or fees. Citizens claiming exemption from tuition and fees are required to provide proof of their age at registration.

**Payment Information**

Payment in full of all current tuition and fees and outstanding obligations is required. Payment may be made at the Cashier’s Office or online using the following payment methods:

Payment Methods Accepted at Cashier’s Office: Cash; Check; VISA, and Master Card.

Payment Methods Accepted Online: VISA, Master Card, and American Express. To make payment online, please visit our website at [mygcc.guamcc.edu/MyAccount](http://mygcc.guamcc.edu/MyAccount).

Payment by Check: Make check payable to Guam Community College or GCC. Please include student’s name; student ID number; and contact number of check writer. Check payments are subject to a ten (10) business day hold for bank clearance. Requests will be processed and documents will be released after check payment has cleared the bank.

Failure to pay full tuition by required due date will result in one or more of the following actions:

- Student will not be allowed to register and receive grades;
- Transcripts and/or a diploma will not be processed;
- Outstanding accounts will be referred to a collection agency. (The student shall assume responsibility for all collection agency fees, legal fees, and court fees necessitated by default in payment.)

**Tuition and Fee Refund Policy**

All students are obligated to pay for registered courses unless they officially drop a course(s) before the first day of class. Please refer to the Academic Calendar for specific dates and deadlines. If students do not officially withdraw from courses, they will be liable for the full amount of tuition and fees even if they did not attend classes. The “Regular Semester” refund policy will be applied as follows to semester long courses offered:

- If withdrawal occurs on or before the last day of late registration, 100% of the tuition, special fees and laboratory fees will be refunded.
- After the last day of registration, no refunds will be made for semester long courses.
- The Registration Fee, Late Fee, and Student I.D. Card Fee are non- refundable.

Full (100%) refund of tuition and all special fees and laboratory fees will be made by the College to students whose classes are cancelled by the College provided that the students do not choose to enroll in other courses requiring special fees or laboratory fees. In instances where the College cancels all of the student’s classes and the student chooses not to enroll in other classes, the College will also refund the registration fee. Refunds will be mailed to the student during the semester. All requests for refunds are initiated at the Student Services & Administration Building by dropping or withdrawing from classes on or before the due date within the current semester.

**Students Called to Active Military Service**

Recognizing the need to accommodate students who are asked to serve their country during wartime, the College will allow students called to active military duty, while enrolled in a given semester, to be provided a refund of tuition and fees. As an alternative to refunds, students may opt for credit against future enrollment. Students will be required to provide to the Admissions & Registration Office and the Business Office, written notice of active military status and indicate whether a refund or credit is preferred.

**Returned Check Policy**

If a student makes a payment for tuition and fees using a check and the check is returned, the student will be contacted by the GCC Business Office regarding the returned check. Once contacted, the student must pay the amount of the check in full by cash or cashier’s check within 48 hours of notice. Additionally, a \$37 returned check fee is assessed. A \$37 late fee may also be assessed. If a student fails to make payment, he or she will be dropped from courses and will be referred to a collection agency. Moreover, neither grades nor transcripts will be released until the full amount of the returned check plus the service charge is paid in full.

**Outstanding Balances**

Students who have an outstanding balance at the end of a semester will not be allowed to register until the amount is paid in full. In addition, neither grades nor transcripts will be released until the past due balance is paid in full. If a student fails to make payment by the required due date, he or she will be dropped from courses and will be referred to a collection agency.

**Cost of Attendance**

**AY 2017-2018**

The College estimates the cost of attendance as a full-time student at the College during the 2017-2018 academic year (ten months, including fall, spring and summer semesters) to be as follows:

Tuition and Fees.....	\$4,224.00
Room and Board.....	\$10,500.00
Transportation *.....	\$1,200.00
*Plus round-trip airfare for off-island students.	

**NOTE:** Students whose permanent residence is not Guam should add the cost of round trip travel from their permanent residence to Guam and back again.

Personal Expenses.....	\$2,650.00
Books and Supplies.....	\$1,200.00
Total Estimated Cost of Attendance.....	\$19,142.00

*\* International students should contact the Admissions and Registration Office for more information regarding the cost of attendance.*

These estimates of the cost of attendance as a full-time student are based on the following assumptions:

- An independent student is sharing housing costs with one other student.
- AY 2017-2018 is a ten (10) month period of class attendance.

**Instructional Programs**

Degree, Certificate, Apprenticeship, Industry Certification, and Diploma program requirements are separately listed in the Catalog.

**Continuing Education and Lifelong Learning**

The College offers courses outside its regular schedule of courses for students interested in personal enrichment, skill training, computer software applications, or to meet other academic needs. The College also hosts various conferences and workshops to enable participants to upgrade their skills and knowledge in a variety of areas.

Continuing Education and Lifelong Learning courses are primarily skill-oriented and are designed to meet the specific training needs of those seeking to upgrade skills in their workplaces, as well as those seeking to develop work skills for entry or reentry into the work-force. The courses vary in length, depending on the breadth and depth of the skill to be taught.

The Office of Continuing Education & Workforce Development, located on the first floor of the Student Services & Administration Building, welcomes requests or suggestions for course or event offerings. A catalog of courses may also be requested from the office. For more information, call (671) 735-5640.

### **Continuing Education Units (CEUs)**

The Continuing Education Unit (CEU) is used by Guam Community College to facilitate the accumulation and exchange of standardized information about participation of individuals in noncredit continuing education. Please note the following four (4) points:

- CEU credit is for career enrichment/advancement. CEUs may be integrated into regular credit courses, provided that the CEU is clearly defined and there is assurance that the CEU does not replace regular credit requirements approved by GCC.
- CEU contact hours can be structured within a regular credit course, provided that the ten contact hours to one CEU equivalency is maintained. CEUs are awarded on a pass/fail basis. Letter grades are not to be used, as the goal of the CEU experience is learning enrichment/advancement and not mastery of scholarly material.
- CEU programs will be governed by the same standards that GCC imposes on regular programs. GCC will have direct quality and fiscal control over all CEU activity within the institution.
- CEUs cannot be used for degree credit requirements. CEUs and regular credit cannot be earned at the same time for the same learning experience.

Further background information about these units is contained in the following statements:

- One CEU is defined as ten contact hours of participation in an organized continuing education experience under responsible sponsorship, capable direction and qualified instructors
- Program objectives, content, format, methods of instruction, methods of evaluation and program schedules will be established prior to the determination of the number of contact hours and appropriate CEUs. CEUs do not convert to degree credit.
- Permanent records for individual participants in CEU programs will be kept.
- Course fees will be negotiated between the requesting agency, organization or individuals and GCC.
- Review, evaluation and approval of CEUs for an educational experience is the responsibility of the Office of Continuing Education & Workforce Development, in consultation with the Vice President for Academic Affairs. Contact (671) 735-5574 for additional questions.

### **Certificate of Enrichment or Completion**

Individual programs of study are developed based on specific requests made by individuals, organizations, or companies for their immediate and/or long-term needs. Customized programs may be developed by the Office of Continuing Education and Workforce Development (CE/WD) to fulfill the needs of these customers. A certificate of enrichment/completion may be awarded by CE/WD to individuals who complete the programs and meet these specialized programs. Certification of enrichment/completion is an acknowledgement that the student has completed a combination of courses and related activities organized by the College for the sole purpose of attaining the educational objectives requested by the customer.

### **English-as-a-Second Language**

This is recommended for those adults who are learning English as a non-primary language. Coursework integrates listening, speaking, reading and writing skills in English. Courses are offered through the Office of Continuing Education as CEUs only. To register for ESL, please call the Adult Education Office (671) 735-6016 or visit the office staff in the Foundation Building, 2nd floor.

### **Institutional Learning Outcomes (ILOS)**

The end of fall 2009 marked the formal adoption of GCC's Institutional Learning Outcomes, also known as ILOs. The ILOs were developed as a task of the General Education Committee with input from all faculty, the Faculty Senate, the College Governing Council (CGC), and the Board. These ILOs represent what knowledge, skills/abilities, and values students should develop and acquire as a result of their overall experiences with any aspect of the College.

The ILOs link all divisions, departments, units, and programs at the College regardless of whether they are directly (academic) or indirectly (non-academic) involved with students. Every employee and office at the College exists to support students and help them excel; this includes the administration, student support services, faculty, maintenance, procurement, etc.

The five (5) ILOs represent broad outcomes in various areas depicted as the College's core values. Due to their universal and broad coverage, it is not expected that a single course, or program for that matter, address all identified outcomes. Rather, it is through the culminating integrated experience students have in their academic and campus life which will enable them to acquire these ILOs. The emphasis on ILOs and outcomes-based assessment has helped transform the College into a more learner-centered institution. Guam Community College remains committed to strengthen its focus on learning outcomes, ultimately leading to quality education and a productive workforce.

In keeping with its mission that Guam Community College is a leader in career and technical workforce development, providing the highest quality student centered education and job training for Micronesia, the College community has established the following Institutional Learning Outcomes<sup>2</sup>:

**G**uam Community College students will acquire the highest quality education and job training that promotes workforce development and empowers them to serve as dynamic leaders within the local and international community. Students will demonstrate:

**U**se of acquired skills in effective communication, and quantitative analysis with proper application of technology

**A**bility to access, assimilate and use information ethically and legally

**M**astery of critical thinking and problem-solving techniques

**C**ollaborative skills that develop professionalism, integrity, respect, and fairness

**C**ivic responsibility that fosters respect and understanding of ethical, social, cultural, and environmental issues locally and globally

### General Education

Recognizing the necessity for students to succeed in the complex and rapidly changing workplace, Guam Community College offers a general education curriculum that introduces students to major areas of knowledge and methods of inquiry. All degree programs require an interdisciplinary general education component that promotes the development of intellectual skills that enable students to become effective learners and informed citizens. Critical thinking, the use of language and computation, appropriate social skills, global awareness and respect for diverse opinions are among the learning outcomes provided in the general education requirements of each program.

Guam Community College believes that general education provides the academic foundation necessary for students to achieve their life goals. General education is intended to offer students a breadth of quality student learning experiences, encourage their respect for cultural heritage, promote their ethical and responsible social behavior and facilitate their life-long learning.

The General Education program strives to foster student learning and skill development in civic engagement, critical thinking, understanding of the relationship between the individual and society, information literacy, oral communication, quantitative reasoning, and written communication.

Guam Community College believes that high quality general education opportunities for all citizens are necessary for democratic principles and practices to exist and for a sound economy to flourish. The College continually scrutinizes the general education curriculum in order to assure that all degrees and certificates granted by the College support this vision of general education and that it serves as a means to inspire hope, opportunity and responsibility in all its constituencies.

Requirements for General Education follow the options described below. Students declared prior to fall 2010 will follow the requirements indicated in the applicable catalog in which they first declared their major program at the College.

Notes on General Education requirements:

1. Students are advised to check the requirements for their specific programs before taking General Education courses.
2. Courses chosen to meet the general education requirements may not be used to meet the technical requirements of a student's specific degree program.
3. The list below 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 below.

### General Education Requirements

1. **English Composition: (3 credits from the following list)**  
EN 110\* .....Freshman Composition (3)  
EN 111\* .....Writing for Research (3)
2. **Mathematics: (3-4 credits from the following list)**  
MA 110A\* .....Finite Mathematics (3)  
MA 161A\* .....College Algebra & Trigonometry I (4)  
MA 161B\* .....College Algebra & Trigonometry II (4)
3. **Natural & Physical Sciences: (4 credits from the following list)**  
SI 101\* .....Introduction to Chemistry (3) and  
SI 101L\* .....Introduction to Chemistry Laboratory (1), or

<sup>2</sup> Recommended by the Faculty Senate, approved by the President, and adopted by the Board of Trustees (December 2, 2009)

SI 103\*.....Introduction to Marine Biology (3) and  
 SI 103L .....Introduction to Marine Biology Lab (1), or  
 SI 105\*.....Introduction to Physical Geology (3) and  
 SI 105L\* .....Introduction to Physical Geology Laboratory (1), or  
 SI 110\*.....Environmental Biology (3) and  
 SI 110L .....Environmental Biology Lab (1), or  
 SI 130A.....Anatomy & Physiology I (3) and  
 SI 130B .....Anatomy & Physiology II (3), or  
 SI 141.....Applied Physics I (4)

**4. Social & Behavioral Sciences: (3 credits from the following list)**

SO 130\* .....Introduction to Sociology (3)  
 PY 120\* .....General Psychology (3)  
 PY 125 .....Interpersonal Relations (3)  
 PY 100\* .....Personal Adjustment (3)  
 HI 121\* .....History of World Civilization I (3)  
 HI 122\* .....History of World Civilization II (3)

**5. Computer Literacy: (3 credits from the following list)**

CS 151\* .....Windows Applications (3)  
 CS 152\* .....Macintosh Applications (3)

**6. Humanities and Fine Arts: (3-4 credits from the following list)**

ASL 100\*.....American Sign Language I (4)  
 ASL 110\* .....American Sign Language II (4)  
 CH 110\* .....Chamorro I (4)  
 CH 111\* .....Chamorro II (4)  
 JA 110\*.....Beginning Japanese I (4)  
 JA 111\*.....Beginning Japanese II (4)  
 EN125\*.....Introduction to Human Communication and Speech (3)  
 EN 210\* .....Introduction to Literature (3)  
 HU 120\*.....Pacific Cultures (3)  
 HU 220.....Guam Cultures & Legends (3)  
 PI 101\* .....Introduction to Philosophy (3)  
 VC 101.....Introduction to Visual Communications (3)  
 TH 101\* .....Introduction to the Theater (3)

**Total General Education Requirements: 19-20 Credits<sup>3</sup>**

*\*Courses articulate to the University of Guam*

**IMPORTANT NOTE:** Some programs require different levels of coursework to meet General Education requirements.

1. Automotive Service Technology-General Service Technician students must choose one of the modern language options (e.g. ASL100, JA110 or CH110, etc.) for the Humanities and Fine Arts requirement.
2. Civil Engineering students must take SI141, SI142, MA161A, and MA161B as their general education requirements.
3. Criminal Justice students must also take PS140 as part of their General Education requirements.
4. Forensic Lab Tech majors must take SI130 to fulfill their science requirement. All Criminal Justice and Forensic Lab Tech students must also take PS140 to fulfill their Social & Behavioral Sciences requirement.
5. Culinary Arts students must take CUL145 to fulfill their math requirement.
6. Education majors must take EN110 and ASL110 as part of their General Education requirements. Bachelor Foundation majors must also take PY120 to fulfill their Social & Behavior Sciences requirement.
7. Liberal Studies students must take EN110, SI103 & SI103L or SI110 & SI110L, SO130 or PY120, CS151 as part of their General Education requirements. For the Humanities and Fine Arts requirement, one of the modern language choices must be taken (ASL100, JA110 or CH110).
8. Human Services students must take EN110 and MA110A. It is recommended to choose from SI110 & SI110L, SO130, CS151, and ASL100 or CH111 as part of their General Education requirements.
9. Marketing majors must take CS152 to fulfill their computer requirement.
10. Medical Assisting students must take HL190 to fulfill their science requirement.
11. Office Technology degree students must take PY 125 for their Social & Behavioral Science requirement.
12. Pre-Architectural Drafting students must take EN194, MA161B, and SI141 as part of their General Education requirements.

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<sup>3</sup> Other major programs may have more General Education credit requirements so students must always consult their specific major program's requirements prior to declaring a major.



13. Surveying Technology students must take MA161A and SI141 as part of their General Education requirements.
14. Visual Communication majors must take CS152 as part of their General Education requirements.

### **Postsecondary Policy**

**All Undeclared or newly Declared Students** in regularly scheduled postsecondary courses are required to take a placement exam by the time they have enrolled in 12 credits of classes.

**All Undeclared or newly Declared Students** enrolled in regularly scheduled postsecondary courses must be enrolled in or have completed their EN100R - Fundamentals of English/Reading, EN100W - Fundamentals of English/Writing (or higher) general education requirement by the time they have enrolled in 12 credits of classes, and must enroll in or have completed their MA108 - Introduction to College Algebra (or higher) general education requirement by the time they have enrolled in 15 credits. This means that students may take only nine (9) credits before they must begin meeting their general education requirements.

### **Withdrawal from Math and English General Education Required Courses**

Students, who have not met their math and English General Education requirement(s) as stipulated in Section 2 above, may be allowed to drop or withdraw from math and English courses only if they wish to withdraw completely for the semester. However, students will not be permitted to drop or withdraw from these courses under any other circumstance.

### **GCC Industry Testing Services**

Guam Community College also serves as a testing center for licensure recognized by the following:

- ❖ Electronic Technician's Association International
- ❖ Microsoft
- ❖ Automotive Service Excellence (ASE)
- ❖ A+ Service Technician
- ❖ Association of Chartered Financial Analysts
- ❖ Federal Communications Commission
- ❖ Cisco Systems and General Education Development

GCC provides professional examination services for the following:

- ❖ Association for Financial Counseling and Planning Education (Institute for Personal Finance)
- ❖ National Association of Securities Dealers, Inc. (NASD)
- ❖ Society for Human Resources Management (PHR-Professional Human Resource and SPHR-Senior Professional Human Resource)
- ❖ Chartered Financial Analyst (CFA/AIMR) examination sponsored by the Association of Investment Management & Research (AIMR)

GCC is also recognized as a Prometrics and Performance Assessment Network (PAN) Testing Center. For more information regarding testing services, contact the Office of Continuing Education & Workforce Development at 735-5574 or 735-5640.

## **High School Equivalency**

### **Adult High School Diploma Program Guidelines**

The Adult High School Diploma Program (AHS DP) offer adults, ages 16 and older the opportunity to earn credits toward their diploma while receiving education and training, in preparation for the workplace and/or postsecondary education. Students will be required to apply for admission to the College as a diploma student once they are determined to be eligible to participate in the AHS DP. Eligible students must also request for official transcripts from the last high school they attended. In order to obtain an official evaluation of transfer credits, along with all official transcripts, students must also complete the Evaluation Request Form and submit it to the Admissions and Registration Office. Earned credits will be evaluated and, if accepted, may be applied toward the requirements of the AHS DP. The core courses (English, Math, Science, Social Studies, and Technical Studies) will be covered through the Workforce Innovative Opportunity Act (WIOA) funds. Students taking CTE (electives) and other courses will be referred to Department of Labor, American Job Center for financial assistance for tuition, books, and lab fees.

### **Program Student Learning Outcomes (SLOs):**

Upon successful completion of the Adult High School Diploma program, students will be able to:

1. Demonstrate proficiency in reading, writing, speaking, and listening, language, and mathematical skills necessary for the workplace and postsecondary education.
2. Read and analyze complex information text independently in a variety of content areas.
3. Read and analyze appropriate concepts and procedures in content areas.
4. Apply the knowledge and skills acquired through experience and education to become more productive in the workplace.

## Eligibility

An eligible individual who is 16 years or older and is no longer eligible to enroll in the Guam Department of Education (GDOE) or who has not received a high school equivalency diploma is eligible for admission into the AHS Diploma Program. Eligible individuals must first take the CASAS (Comprehensive Adult Student Assessment System – Life and Work Appraisal or CASAS Life Skill) appraisal to determine their current abilities in the areas of reading, mathematics, and language.

Individuals scoring below 236 in the reading and math portion of CASAS will begin by taking courses to refresh basic skills (Adult Basic Education (ABE) until scores of 236 and above are met. Individuals who score above 236 in reading and 236 in math may go directly into the AHS Diploma Program or schedule to take the high school equivalency diploma (GED® and HiSET®). Additionally, students who score below a 236 will receive the following assistance while attending basic skills courses:

- Tutoring Services from the Reach for College Program
- Access to WorkKeys

The individual's advisor/counselor must approve his/her enrollment into courses for the semester. Students will be limited to register in no more than 12 credit hours of adult high school courses (English, Mathematics, Science, Social Studies, and Student Success Workshop) and postsecondary career and technical (CTE)/elective courses.

### **AHS students shall adhere to the following guidelines in order to maintain eligibility to continue the AHS Diploma Program:**

- 1) Students must attend all registered courses. Students receiving more than five (5) absences in any registered course will receive a failure grade (F) or unsatisfactory completion (NC), whichever is applicable, for the course. If a student receives more than two (2) failure grades (F) and/or unsatisfactory completion (NC) resulting from absences, the student will no longer be eligible to continue with the AHS Diploma Program and will be referred by their advisor/counselor to the Adult Education Office for other program options.
- 2) Students who receive a failure grade (F) or unsatisfactory completion (NC) will be allowed to retake the course only once. Students may retake no more than two (2) courses while enrolled in the AHS Diploma Program. After retaking two (2) courses and it is determined that the student will be unable to complete the requirements of the AHS Diploma Program, the student will be referred by his/her advisor/counselor to the Adult Education Office for other program options.
- 3) After the official add/drop dates posted in the Schedule of Classes, any student who withdraws (W), who has been technically withdrawn (TW), and/or who abandons any course he/she has registered in resulting in a failure grade (F) or a technical failure grade (TF) will not be eligible to continue to participate in the AHS Diploma Program. Admissions and Registration will automatically disapprove the student's application for admission as a Diploma Student and the student will be referred by the advisor/counselor to the Adult Education Office for other program options.

Students will be loaned the required books for their registered courses with an obligation of returning all books to the Adult Education Office at the end of the semester. Outstanding obligations will result in a hold on grades, transcripts, or other processes.

## Adult High School Diploma Requirements

Course Requirements:

Successful completion of courses in the following areas (either at GCC or through accepted transfer credit):

English Language Arts & Literacy	9 credit hours
Mathematics	9 credit hours
Social Science	6 credit hours
Science	6 credit hours
Student Success Workshop	3 credit hours
Computer Skills	3 credit hours
CTE Electives	9 credit hours

**TOTAL: 45 CREDIT HOURS**

Nine (9) credits of Career and Technical Education (CTE) electives should be from the same career area as part of the student's approved educational plan.

Development of an Individual Educational Plan with counselor or advisor is required.

High school credits completed elsewhere will be converted to credit hours to meet the requirements of the adult high school diploma using the following equivalency: one (1) Carnegie unit = three (3) credit hours on 050-099 level.

**General Education Requirements (30 credits)**

EN068 – Language Arts Literacy

EN081 – Literature Survey

EN091 – Fundamentals of Communication

AEMA050 – Algebra I

AEMA060 – Geometry +

AEMA070 – Algebra II +

SI051 – Earth Science

SI061 – Biology

SS063 – American Government

SS081/082 - US History I or II

**Technical Requirements (3 credits)**

SO099 – Student Success Workshop

**Related Technical and General Education Requirements (3 credits)**

OA101 – Keyboarding

**Elective Requirements (9 credits)****CTE Courses**

Career and Technical Education (CTE) credits earned at GCC through the AHSDP may articulate to GCC's postsecondary programs, pending the completion of a signed Memorandum of Understanding.

**Adult Basic Education (ABE)**

The ABE programs are instructional programs designed to help adult learners master the skills and content necessary to enhance their employability skills by improving their ability to speak, read, or write the English language and increase their ability to function effectively in society. These courses can help adult learners prepare to enroll in the Adult High School Diploma Program or prepare for an administration of the GED®.

For more information regarding Adult Basic Education, please call 735-6016 or email at [adulthoodeducation@guamcc.edu](mailto:adulthoodeducation@guamcc.edu).

**High School Equivalency Diploma****Eligibility for Testing**

**Minimum Age:** 16 years of age and not currently enrolled or required to be enrolled in high school. Individuals 16 and 17 years of age must provide a withdrawal form from the last high school attended.

**Assessment:** All applicants must take the *free* 2-hour CASAS Appraisal which is administered every Tuesday and Thursday. An individual must score at least 236 on the CASAS Appraisal in order to take the GED® or HiSet® Test.

**Fees:** There is no charge to take the CASAS Appraisal. GED® has four computer-based content areas (Reasoning through Language Arts, Reasoning through Mathematics, Science, and Social Studies); the cost to take each content area is \$31.25 or \$125 for all four content areas. Retake cost is \$25.00 per content area. Payment must be made online at <https://ged.com>.

HiSET® has five computer-based or paper/pencil content areas (Language Arts-Reading, Language Arts-Writing, Mathematics, Science, and Social Studies). The cost to take all five content areas is \$85 (includes two free retakes per subject up to one year from initial date of purchase). Cost to take a content area is \$20 (with no free retakes) plus \$10 administrative fee (if applicable).

**How to Apply**

To apply for the CASAS Appraisal, the applicant must present a valid driver's license, passport, military ID or other form of government-issued identification that shows his/her name, address, date of birth, signature, and photograph to a staff at the Adult Education Office.

**Testing Schedule**

**Assessment Test:** The CASAS Appraisal is administered every Tuesday and Thursday at the Guam Community College (Adult Education Office) campus from 10:00 a.m. to noon.

**Test and Retesting:** While the GED® Test has to be scheduled online at <https://ged.com>, you may schedule for HiSET® by calling 735-5625 or 735-5517 or online at <http://hiset.ets.org>. Tests are administered at the Guam Community College Technology Center.

**To Receive a Diploma**

Individuals may apply for a diploma at the Guam Community College, Planning and Development Office.

**Minimum Test Scores:** The minimum test score is 150 on each content area and a total of 600 on all four areas.

**Minimum Age:** To receive a high school equivalency Diploma, the applicant must be 16 years of age and has not completed high school.

**Residency:** In order to take the GED® or HiSET® Test, a person must be a resident of Guam. You are considered a resident of Guam if your permanent home is on Guam and your most recent income tax forms were filed on Guam, or if you are a dependent of someone whose most recent income tax forms were filed on Guam. Active duty military personnel and their dependents are considered residents, as are citizens of the Freely Associated States of Micronesia. Please be prepared to submit a stamped copy of your income tax form as proof of residency.

For more information, contact:  
High School Equivalency Office  
Guam Community College  
P.O. Box 23069  
Barrigada, Guam 96921  
671-735-5625

### **Adult Basic Education (ABE)**

The ABE instructional courses are designed to help adult learners master the skills and content necessary to enhance their employability skills by improving their ability to speak, read, or write the English language and increase their ability to function effectively in society. These courses can help adult learners prepare to enroll in the Adult High School Diploma Program or prepare for an administration of the GED® or HiSET®.

Adult Basic Education courses have been moved from the regular College Catalog to the Continuing Education Catalog. Courses are scheduled and maintained by the Office of Continuing Education and Workforce Development. For more information regarding these courses, please call (671) 735-5646.

# **Apprenticeship, Industry Certification, Certificate and Degree Programs**

## APPRENTICESHIP PROGRAMS

The College administers the Apprenticeship Training Program through the Office of Apprenticeship of the United States Department of Labor, in partnership with the Guam Contractors Association and individual employers.

During the term of apprenticeship, the apprentice learns a craft or trade through formal on-the-job training (OJT) under close supervision of a skilled worker or journey-worker and through related classroom instruction at the College. In general, an apprentice works at an actual job setting with an employer during the day and attends related classes at the College during the evenings and/or Saturdays.

The terms of apprenticeship are determined by the occupation in which the student is being trained. Training is available in the following occupational trades:

APPRENTICESHIP TRADES	APPROXIMATE OJT HRS	CONTACT HOURS
Air-Conditioning and Refrigeration Mechanic	6000	432
Auto Body Repairer	8000	576
Automobile Mechanic	8000	576
Boiler Operator	8000	576
Carpenter	8000	576
Cement Mason	4000	288
Chief of Partie	8000	576
Child Care Development Specialist	3500	288
Computer Operator	6000	432
Computer Programmer	4000	288
Construction Equipment Mechanic	8000	576
Cook	6000	432
Construction Craft Laborer	4000	288
Crime Scene Technician	4000	288
Diesel Mechanic	8000	576
Drafter, Civil	8000	576
Drafter, Structural	6000	432
Electrical Technician	8000	576
Electrician	8000	576
Electrician Meter Repairer	8000	576
Electrician, Ship	8000	576
Electrician, Substation	6000	432
Electronic Technician	8000	576
Financial Management	2000	144
Geospatial Specialist	4000	288
Graphic Designer	3000	216
Heating & Air Condition Installer Servicer	6000	432
Heavy Mobile Equipment Mechanic	8000	576
Information Management	2000	144
Inspector Building	6000	432
Instrument Technician	8000	576
Insulation Worker	8000	576
IT Generalist	2880	216
Line Installer Repairer	8000	576
Lineman	8000	576
Machinist	8000	576
Maintenance Building Repairer	4000	288
Maintenance Mechanic	8000	576

<b>APPRENTICESHIP TRADES</b>	<b>APPROXIMATE OJT HRS</b>	<b>CONTACT HOURS</b>
Marine Machinery Mechanic	8000	576
Office Manager/Administrative Services	4000	288
Operating Engineer (Heavy Equipment Operator)	6000	432
Pipefitter	8000	576
Plumber	8000	576
Power Plant Operator	8000	576
Public Relations Representative	6000	432
Pump Servicer	6000	432
Relay Technician	4000	288
Rigger	6000	432
Sheet Metal Worker	8000	576
Ship Fitter	8000	576
Shipwright	8000	576
Surveyor Assistant, Instrument	4000	288
Telecommunication Technician	8000	576
Treatment Plant Mechanic	6000	432
Truck Driver, Heavy	2000	144
Water Treatment Plant Operator	6000	432
Wastewater Treatment Plant Operator	4000	288
Welder	6000	432

In order for an apprentice to be eligible to receive a Certificate of Completion of Apprenticeship, the apprentice must satisfactorily complete a minimum of 144 hours of classroom-related instruction per year plus 2,000; 4,000; 6,000; or 8,000 hours of practical on-the-job training (OJT). Upon satisfactory completion of the required training, the apprentice is issued a Certificate of Completion of Apprenticeship from the Office of Apprenticeship and Training, United States Department of Labor.

For more information on the Apprenticeship Training Program, contact the Continuing Education/Workforce Development Office in the Student Services and Administration (Building 2000), Suites 2122 or 2128, or call (671) 735-5571.

### INDUSTRY CERTIFICATION OF COURSE SERIES COMPLETION

These courses or series of courses are nationally and internationally recognized by industry and government as providing a significant body of information. These courses also prepare students for industry specific licensure listed below.

- Hotel & Lodging Certificate of Specialization
- Food & Beverage Management Certificate of Specialization
- Human Resources Management Certificate of Specialization
- Rooms Division Management Certificate of Specialization
- Nursing Assistant Industry Certification
- Cisco Certified Network Associate (CCNA) Industry Certification
- Cisco Certified Network Professional (CCNP) Industry Certification
- Cosmetology
- Light Duty Hybrid Electric Vehicle Technology

Many of these courses are offered through the Office of Continuing Education/Workforce Development Office, located on the 1<sup>st</sup> floor of the Student Services & Administration Building (Building 2000).

### The American Hotel & Lodging Educational Institute

The American Hotel & Lodging Educational Institute (EI) offers departmental specialization certificates that provide students with technical and supervisory job skills that hospitality employers demand for entry-level management positions. As an academic partner with EI, the GCC Tourism and Hospitality Department is pleased to offer three specializations to choose from: Food & Beverage Management, Human Resources Management and Rooms Division Management. Students must pass with a 69% on each course to earn course certificates and eventually the Certificate of Specialization after successful completion of the technical requirements (five courses).

### Specialization in Rooms Division Management

#### Technical Requirements

COURSE#	COURSE	CREDITS
HS160	Hospitality Supervision	3
HS211	Managing Front Office Operations	3
HS215	Managing Housekeeping Operations	3
HS217	Hotel Security Management	3
HS218	Facilities Management	3
<b>Total Technical Requirements</b>		<b>15</b>

### Nursing Assistant

The courses listed below prepares students to function professionally and competently as Nursing Assistants under the supervision of the LPN, RN, or MD in such clinical areas as home health, community health, hospitals, clinics, private medical offices, and mental health. Graduates will be able to generate the knowledge and illustrate the skills required to pass the National Nurse Aide Assessment Program Exam which leads to becoming a Certified Nursing Assistant (CNA). Course offering: As needed. Prerequisites: Admission to the Certified Nursing Assistant Program. Students will achieve these outcomes upon completion of this certification: a) Identify the principles of prevention, therapy and rehabilitation for patients of all ages. b) Distinguish the roles of a Nursing Assistant in a health care team. c) Apply the Nursing Assistant principals and skills learned in class/lab to the clinical setting. d) Demonstrate proficiency and knowledge of nursing assistant skills in preparation for the NNAAP (National Nurse Aide Assessment Program) written and practical exam.

#### Technical Requirements

COURSE#	COURSE	CREDITS
NU101	Nursing Assisting+	4
<b>Related Technical &amp; General Education Requirements</b>		
HL131	BLS for Healthcare Providers	1
<b>Total Technical Requirements</b>		<b>5</b>

### Cisco Certified Network Associate (CCNA) Industry Certificate

The courses listed below will prepare the student to take Cisco’s CCNA exam. These courses prepare the student for configuration of networks using routers, switches and hubs (LAN). Continuing coursework prepares the student to understand Wide Area Networks (WAN). Next, a student focuses on Network Layers, Cisco Internetwork Operating System software user interface, router configuration, startup and setup configuration sources for Cisco IOS software TCP/IP, configuration router interfaces with IP and routing protocols. Other coursework involves LAN design and implementation. Final preparatory coursework includes fundamentals of Wide Area Networks. Coursework must be taken in sequence. After successful completion of the four networking courses, a student will be ready to take the Cisco CCNA exam.



**Technical Requirements**

COURSE#	COURSE	CREDITS
EE 265	Computer Networking I	4
EE 266	Computer Networking II	4
EE 267	Computer Networking III	4
EE 268	Computer Networking IV	4

**Total Technical Requirements**

**16**

**Cisco Certified Network Professional (CCNP) Industry Certificate**

The courses listed below will prepare the student to take Cisco's CCNP exam. The CCNP certification indicates advanced knowledge of networks. These courses train the student to install, configure, and troubleshoot local and wide area networks for enterprise organizations with networks from 100 to more than 500 nodes. The content emphasizes topics such as security, converged networks, quality of service (QoS), virtual private networks (VPN) and broadband technologies. Coursework must be taken in sequence. After successful completion of the four professional networking courses, a student will be ready to take the Cisco CCNP exam.

**Technical Requirements**

COURSE#	COURSE	CREDITS
EE 271	Advanced Computer Networking I	4
EE 275	Advanced Computer Networking III+	4
EE	Elective approved by Department	4

**Total Technical Requirements**

**12**

**Industry Certification in COSMETOLOGY****Program Mission**

Prepare students to become licensed and professional cosmetologists.

**Program Description**

Successful completion of the program will prepare students to pass The National -Interstate Council of State Boards of Cosmetology Practical Examination in order to obtain a Guam license to qualify for positions in the cosmetology field. Students will acquire skills required to pass the National-Interstate Council of State Boards of Cosmetology Practical Examination and the two-part Guam Board of Cosmetology exam. Students will acquire skills needed to work in a variety of cosmetology-related occupations such as a cosmetologist, esthetician, salon owner, manicurist, hair color specialist, and makeup artist. Students will also gain effective interpersonal skills and demonstrate ethical conduct in a lab and shop setting

The Industry Certification in Cosmetology program offers students opportunities to develop the skill, knowledge, attitudes and leadership qualities required to meet licensure standards of the Guam Board of Cosmetology. Through lecture, demonstrations and lab practice, students will complete a minimum of 1800 hours in this four-semester program with the option of exiting the program after the second semester and applying for a manicurist license. A grade of "C" or higher is required in all theory and laboratory courses.

**Program Student Learning Outcomes (SLOs):**

Upon successful completion of the program students should be able to:

- Demonstrate skills needed to work in a variety of cosmetology and related occupations to include (but are not limited to) the following:
  - Shampoo, cut, color, and style hair.
  - Clean, buff, trim, and apply artificial nails.
  - Clean and tone skin, and properly remove/apply make-up and other skin products.
- Demonstrate content knowledge and skills as indicated in the National-Interstate Council (NIC) of State Board of Cosmetology Practical Examination. The NIC includes the following six core domains: set up and client protection, thermal curling, haircutting, chemical waving, hair lightening and color retouch, and relaxer application and retouch (<https://nictesting.org/>).
- Apply effective interpersonal skills and practice professional ethics needed to succeed in the cosmetology profession.

**Technical Requirements**

COURSE#	COURSE	CREDITS
CM 101	Cosmetology I	10
CM 102	Comitology II	10
CM 104A	Cosmetology III	5

CM 104B	Cosmetology IV	5
<b>Total Technical Requirements</b>		30
		<b>TOTAL CONTACT HOURS REQUIRED</b>
		1,800

**Industry Certification in LIGHT DUTY HYBRID ELECTRIC VEHICLE TECHNOLOGY**

**Program Mission**

To produce National Institute for Automotive Service Excellence (ASE) Certified Light Duty Hybrid Electric Vehicle Specialist by providing the highest quality Career and Technical Education (CTE) and job training in Micronesia.

**Program Description**

The Light Duty Hybrid Electric Vehicle Technology Industry Certification program prepares students to become National Institute for Automotive Service Excellence (ASE) Certified Light Duty Hybrid Electric Vehicle Specialist by providing technical skills and competencies, based on the standards set by ASE, in hybrid engines, motor/generators, energy management systems, transaxles, power electronics, and hybrid electric vehicle support systems.

**Program Student Learning Outcomes (SLOs):**

Upon successful completion of the program students should be able to:

1. Illustrate theory and operation of hybrid engines and motor/generators, perform diagnostics and execute needed repairs.
2. Perform hybrid electric vehicle energy management and transaxle fault analysis.
3. Analyze condition of hybrid electric vehicle battery and repair and/or replace if failed.
4. Describe functionality of hybrid electric vehicle power electronics and support systems, perform diagnostics, and carryout needed repairs.

**Technical Requirements**

COURSE#	COURSE	CREDITS
AST 113	Hybrid Engines and Motor/Generators	4
AST 123	Hybrid Electric Vehicle Energy Management and Transaxles	3
AST 133	Hybrid Electric Vehicle Batteries and Belted Alternator Starter (ABS) System	3
AST 143	Hybrid Electric Vehicle Power Electronics and Support System	3
<b>Total Technical Requirements</b>		13
		<b>TOTAL CREDITS REQUIRED</b>
		13

## Certificate Programs

- ◆ Automotive Service Technology
- ◆ Computer Aided Design & Drafting
- ◆ Computer Science
- ◆ Construction Technology
- ◆ Criminal Justice
- ◆ Early Childhood Education
- ◆ Education
- ◆ Emergency Management
- ◆ Environmental Technician
- ◆ Family Services
- ◆ Fire Science Technology
- ◆ Medical Assisting
- ◆ Medium/Heavy Truck Diesel Technology
- ◆ Office Technology
- ◆ Practical Nursing
- ◆ Sign Language Interpreting
- ◆ Supervision and Management
- ◆ Surveying Technology

**General Requirements for CERTIFICATES**

All candidates for a Certificate at GCC must meet the general requirements listed below. Course requirements may identify prerequisites that must be completed with a passing grade. *Prerequisite course credit is not counted as credit earned towards the program unless it is a certificate core course requirement.* Prerequisites are identified in the course description section of this catalog with a + sign next to each course with a prerequisite.

Effective fall Semester 2003, several academic policy changes were implemented to ensure that students are adequately prepared to meet business and industry standards. All Undeclared or newly Declared Students enrolled in regularly scheduled postsecondary courses must be enrolled in or must have completed EN100R, EN100W and MA108. Students must fulfill the English general education requirement by the time they have enrolled in 12 credits of classes. Students must enroll in or have completed MA108, Introduction to College Algebra (or higher) general education requirement by the time they have enrolled in 15 credits. This means that students may take only nine (9) credits before they must begin meeting the general education requirements. All declared students in Certificate programs will be required to successfully complete minimum general education course requirements. For more information, refer to the Admissions Information, General Education Policy section of this catalog.

**A. General Education Requirements**

Students must demonstrate proficiency in reading, writing, understanding and speaking English as indicated by one of the following:

- ◆ Test out of the English Placement Test, or
- ◆ Satisfactory completion of EN100 courses, and
- ◆ Satisfactory completion of MA108, or
- ◆ Test out of the math placement test

COURSE#	COURSE	CREDITS
EN 100R	Fundamentals of English/Reading+	(3)
EN 100W	Fundamentals of English/Writing+	(3)
MA 108	Introduction to College Algebra+	3
<b>Total General Education Requirements</b>		<b>3</b>

*Note to students: The credits in parenthesis above count only for billing purposes and student semester load. They do not count toward credits needed for any degree or certificate.*

**B. Technical Requirements**

COURSE#	COURSE	CREDITS
<b>Total Technical Requirements</b>		<b>Variable by program</b>

**C. Related General Education & Technical Requirements**

COURSE#	COURSE	CREDITS
<b>Total Related General Ed/Technical Requirements</b>		<b>Variable by program</b>
<b>MINIMUM TOTAL CREDITS REQUIRED FOR A CERTIFICATE</b>		<b>30</b>

\* No course may be counted for both Technical Major and Science/Technology General Education requirements.

\*\* Placement testing is not mandatory for admission to the College. Completion of placement testing, however, is required for enrollment into English and mathematics courses. Therefore, students who plan to enroll full-time in a program should take the placement test to be eligible for a full load of courses.

**A Statement on STUDENT LEARNING OUTCOMES (SLOs)**

Program Student Learning Outcomes follow each program description. 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 (as needed) each academic year 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 through well-articulated student learning outcomes.

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## Certificate in AUTOMOTIVE SERVICE TECHNOLOGY

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### Program Mission

The mission of the Automotive program is to develop a skilled and competent automotive workforce, based on industry needs, for the Guam community and the region.

### Program Description

The Certificate program in Automotive Service Technology (AST) is a competency-based program designed to offer entry level training sufficient for employee success in automotive technician positions. Skills acquired in this program also apply directly to occupational areas including diesel mechanics, small engine repair, generator repair, marine engine service, fleet service, repair service order writing, and entry level automotive service management.

Graduates of the AST Certificate program demonstrate the foundational skill and knowledge to pursue further study in power plant mechanics, marine/diesel repair and automotive engineering in the automotive manufacturing industry.

Two 'tracks' exist within the program. Students completing the General Service Technician Track offer future employers preparatory background in four primary areas of automotive service technology (brakes, electrical/electronic systems, engine performance, and suspension/steering) and are prepared to pass the National Automotive Technicians Education Foundation (NATEF) Certification Examination in those areas. Upon passage, and after one year of automotive industry work experience, they are eligible to receive NATEF designation as a General Service Technician. The second option within the Certificate program is the Master Service Technician track, where graduates receive preparatory background in the four above-mentioned automotive areas as well as four additional areas (automatic transmission/transaxle, engine repair, heating/air conditioning, and manual drive trains/axles). These graduates are prepared to pass the National Automotive Technicians Education Foundation (NATEF) Certification Examination in all eight examination areas offered, and upon passage may pursue recognition from ASE as a Master Service Technician.

### Program Student Learning Outcomes (SLOs):

Upon successful completion of the Certificate 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. Perform a cylinder compression cranking test.
3. Demonstrate the proper use of a digital multimeter (DMM) during diagnosis of electrical circuit problems.
4. Diagnose, adjust, repair, or replace automotive components.

### A. General Education Requirements

Students must demonstrate proficiency in reading, writing, understanding and speaking English as indicated by the following:

- ◆ Test out of the English Placement Test, or
- ◆ Satisfactory completion of EN 100 courses, and
- ◆ Satisfactory completion of MA 108 or test out of the math placement test.

COURSE#	COURSE	CREDITS
EN 100R	Fundamentals of English/Reading+	(3)
EN 100W	Fundamentals of English/Writing+	(3)
MA 108	Introduction to College Algebra+	3
<b>Total General Education Requirements</b>		<b>3</b>

Note to students: The credits in parenthesis above count only for billing purposes and student semester load. They do not count toward credits needed for any degree or certificate.

### B. Technical Requirements

#### 1. General Service Technician

COURSE#	COURSE	CREDITS
AST 100	Introduction to Automotive Service	3
AST 140	Suspension and Steering+	3
AST 150	Brakes+	3
AST 160	Electrical/Electronic Systems+	3
AST 180A	Engine Performance I (Tune-up, No Fuel/Emission)+	3
AST 180B	Engine Performance II (Fuels & Emissions Systems)+	3
AST 240	Theory/Practicum: Suspension and Steering+	2

AST 250	Theory/Practicum: Brakes+	2
AST 260	Theory/Practicum: Electrical/Electronic Systems+	4
AST 280	Theory/Practicum: Engine Performance+	5
<b>Total Technical Requirements</b>		<b>31</b>
		<b>TOTAL CREDITS REQUIRED 34</b>

### 2. Master Service Technician

The Master Service Technician Certificate Track requires completion of all courses required for the General Service Technician Track, plus all of the following:

COURSE#	COURSE	CREDITS
AST 110	Engine Repair+	3
AST 120	Automatic Transmission and Transaxle I+	3
AST 130	Manual Drive Train and Axles+	3
AST 170	Heating and Air Conditioning+	3
AST 210	Theory/Practicum: Engine Repair+	3
AST 220	Automotive Transmission and Transaxle II+	3
AST 230	Theory/Practicum: Manual Drive Train and Axles+	2
AST 270	Theory/Practicum: Heating and Air Conditioning+	2
<b>General Service Technician Track Requirements</b>		<b>31</b>
<b>Total Technical Requirements</b>		<b>53</b>
		<b>TOTAL CREDITS REQUIRED 56</b>

## Certificate in COMPUTER AIDED DESIGN & DRAFTING

### Program Description

Computer Aided Design and Drafting (CADD) systems are used by drafters to prepare electronic drawings that can be viewed, printed, or programmed directly into automated manufacturing systems. Although CADD is extensively used by drafters, they also need knowledge of traditional drafting techniques in order to fully understand and explain concepts. The Certificate in Computer Aided Design and Drafting (CADD) program is designed to provide knowledge and skills required for employment as an assistant draft craftsperson. The Certificate in CADD is an area emphasized in the Architecture & Construction Career cluster, one out of 16 career clusters selected in Guam's Career & Technical Education Five-Year State Plan.

### Program Student Learning Outcomes (SLOs):

Upon successful completion of the Certificate in Computer Aided Design & 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.

### A. General Education Requirements

COURSE#	COURSE	CREDITS
EN 110	Freshman Composition+	3
MA 110A	Finite Mathematics+	3
<b>Total General Education Requirements</b>		<b>6</b>

### B. Technical Requirements

COURSE#	COURSE	CREDITS
AE 103	Basic Blueprint Reading	3
AE 121	Technical Engineering Drawing I	3
AE 122	Technical Engineering Drawing II+	3
AE 138	Building Codes, Specifications & Construction Management+	3
AE 150	Computer Aided Design & Drafting (CADD) I+	3
AE 160	Computer Aided Design & Drafting (CADD) II+	4
<b>Total Technical Requirements</b>		<b>19</b>

### C. Total Related General Education & Technical Requirements

COURSE#	COURSE	CREDITS
CE 121	Properties of Materials OR	3
AE 170	Revit Essentials	3
CE 225	Construction Planning & Estimating+	3
CS 101	Introduction to Computer Systems & Information Technology+	3
MA 161A	College Algebra & Trigonometry I+	4

<b>Total Related General Education &amp; Technical Requirements</b>	<b>16</b>
<b>TOTAL CREDITS REQUIRED</b>	<b>41</b>

## Certificate in COMPUTER SCIENCE

### Program Mission

The mission of the Computer Science Program is to provide students with foundational knowledge and skills to enter a technology-enhanced workforce and to keep current with rapid technology changes.

### Program Description

Today, computer skills are highly in demand in the rapidly evolving information technology field. The Certificate in Computer Science prepares students for entry-level positions in technology related areas.

### Program Student Learning Outcomes (SLOs):

Upon successful completion of the Certificate in Computer Science program, students will be able to:

1. Demonstrate a solid foundation in the core areas of computer science, as well as knowledge of advanced topics in the field.
2. Apply skillful evaluation to computer-based glitches and draw possible options that best meets the needs of a problem.
3. Design and implement a computer-based solution of a problem by writing codes using an appropriate programming language.

### A. General Education Requirements

Students must demonstrate proficiency in reading, writing, understanding, and speaking English as indicated by one of the following:

- ◆ Test out of the English Placement Test, or
- ◆ Satisfactory completion of EN 100 courses, and
- ◆ Satisfactory completion of MA 108 or test out of the math placement test

COURSE#	COURSE	CREDITS
EN 100R	Fundamentals of English/Reading+	(3)
EN 100W	Fundamentals of English/Writing+	(3)
MA 108	Introduction to College Algebra+	3
<b>Total General Education Requirements</b>		<b>3</b>

*Note to students: The credits in parenthesis above count only for billing purposes and student semester load. They do not count toward credits needed for any degree or certificate.*

### B. Technical Requirements

COURSE#	COURSE	CREDITS
CS 101	Introduction to Computer Systems & Information Technology+	3
CS 102	Computer Operations+	3
CS 110	Introduction to the Internet	3
CS 151	Windows Applications+	3
	Complete at least three credits from the following courses:	3
CS 290	Special Project OR	1-6
CS292	Practicum (1-6)+	
<b>Total Technical Requirements</b>		<b>15</b>

### C. Technical Electives

COURSE#	COURSE	CREDITS
Complete at least six credits from the following courses:		
CS 103	Report Program Generator (RPG)	3
CS 104	Visual Basic Programming+	3
CS 202	COBOL+	3
CS 204	C++ Programming	3
CS 205	Network Communications+	4
<b>Total Technical Electives</b>		<b>6</b>

### D. Related General Education & Technical Requirements

COURSE#	COURSE	CREDITS
EN 125	Introduction to Human Communication and Speech+ OR	
OA 211	Business Communication+	3

SM 108	Introduction to Business	3
Total Related General Education & Technical Requirements		6
<b>TOTAL CREDITS REQUIRED</b>		<b>30</b>

### Certificate in CONSTRUCTION TECHNOLOGY

#### Program Description

The Certificate in Construction Technology Program will prepare students for the current local and global job market with entry-level skills needed for any of the following fields: carpentry; electricity; heating, ventilation, and air conditioning (HVAC); masonry, plumbing, reinforcing metal worker, and welding. All students must successfully pass four core courses (technical related requirements) with a "C" or better before enrolling in one of the seven concentration areas.

#### Program Student Learning Outcomes (SLOs):

Upon successful completion of the Certificate in Construction Technology program, students will be able to:

1. Demonstrate basic skills needed to function as an entry-level worker in at least one construction trades concentration area in accordance with industry safety standards: carpentry; electricity; heating, ventilation, and air-conditioning (HVAC); masonry; plumbing, reinforcing metal worker; or welding.
2. Exhibit entry-level knowledge in chosen construction trades concentration area.
3. Demonstrate professionalism as related to the construction trades industry.

#### A. General Education Requirements

Students must demonstrate proficiency in reading, writing, understanding, and speaking English as indicated by one of the following:

- ◆ Test out of the English Placement Test, or
- ◆ Satisfactory completion of EN100 courses, and
- ◆ Satisfactory completion of MA108 or test out of the math placement test

COURSE#	COURSE	CREDITS
EN 100R	Fundamentals of English/Reading+	(3)
EN 100W	Fundamentals of English/Writing+	(3)
MA 108	Introduction to College Algebra+	3
<b>Total General Education Requirements</b>		<b>3</b>

*Note to students: The credits in parenthesis above count only for billing purposes and student semester load. They do not count toward credits needed for any degree or certificate.*

#### B. Area of Concentration Requirements

##### 1. Carpentry

COURSE#	COURSE	CREDITS
CT 153	Introduction to Carpentry	3
CT 173	Rough Framing and Exterior Finishing+	3
CT 183	Finishing+	3
CT 193	Cabinet Making and Millwork+	3
<b>Total Carpentry Technical Requirements</b>		<b>12</b>

##### 2. Electricity

COURSE#	COURSE	CREDITS
CT 165A	Electricity Level I+	5
CT 165B	Electricity Level II+	5
CT 165C	Electricity Level III+	5
CT 165D	Electricity Level IV+	5
<b>Total Electricity Technical Requirements</b>		<b>20</b>

##### 3. Heating, Ventilation, and Air-Conditioning (HVAC)

COURSE#	COURSE	CREDITS
CT 185A	Refrigeration and Air Conditioning Level I+	5
CT 185B	Refrigeration and Air Conditioning Level II+	5
CT 185C	Refrigeration and Air Conditioning Level III+	5
<b>Total Heating, Ventilation, and Air-Conditioning (HVAC) Technical Requirements</b>		<b>15</b>



*4. Masonry*

COURSE#	COURSE	CREDITS
CT 153	Introduction to Carpentry	3
CT 154A	Masonry Level I+	4
CT 154B	Masonry Level II+	4
<b>Total Masonry Technical Requirements</b>		<b>11</b>

*5. Plumbing*

COURSE#	COURSE	CREDITS
CT 152	Fundamentals of Plumbing	4
CT 152A	Plumbing Level I+	4
CT 182	Uniform Plumbing Code	3
<b>Total Plumbing Technical Requirements</b>		<b>11</b>

*6. Reinforcing Metal Worker*

COURSE#	COURSE	CREDITS
CT 153	Introduction to Carpentry	3
CT 154A	Masonry Level I+	4
CT 196A	Fundamentals of Oxyacetylene Welding I+	5
<b>Total Reinforcing Metal Worker Technical Requirements</b>		<b>12</b>

*7. Welding*

COURSE#	COURSE	CREDITS
CT 196A	Fundamentals of Oxyacetylene Welding I+	5
CT 196B	Fundamentals of Oxyacetylene Welding II+	5
CT 197A	Shielded Metal Arc Welding I+	5
CT 197B	Shielded Metal Arc Welding II+	5
<b>Total Welding Technical Requirements</b>		<b>20</b>

**C. Related General Education & Technical Electives**

COURSE#	COURSE	CREDITS
AE 103	Basic Blueprint Reading	3
CT 100	Introduction to Construction Trades	5
CT 140	Industrial Safety	3
CT 292	Construction Practicum+	3
HL 130	First Aid & Safety	1

**Total Related General Education & Technical Requirements**

**15**

**RANGE OF CREDITS REQUIRED**

**UP TO 38**

**Certificate in CRIMINAL JUSTICE****Program Mission**

It is the mission of the Criminal Justice program to prepare, educate, and train students for the Criminal Justice profession. Criminal Justice graduates will be lifelong learners who possess current technical knowledge of the criminal justice system, communication skills to communicate effectively within the criminal justice system, and an understanding of the interrelations of the criminal justice professional and society.

**Program History**

The Certificate in Basic Law Enforcement was initially developed when Guam Community College was created by Public Law 14-77 and the responsibility for police basic training was transferred from the University of Guam to Guam Community College. Presently, it continues to be the required curriculum for all territorial law enforcement academy cycles.

The first substantive revision was made in February 2011, which was made upon the Criminal Justice Advisory Committee request to realign the Certificate Program and the Criminal Justice Associate Degree Program. It also addressed new general education core requirements to commence Fall Semester 2003.

The second substantive revision created a new area of concentration in Marine & Terrestrial Conservation Enforcement. Students may now elect to graduate with a Certificate in Criminal Justice with an emphasis in either Law Enforcement or Marine & Terrestrial Conservation Enforcement.

Course requirements may identify prerequisites that must be completed with a passing grade. Prerequisite course credits are not counted as credits earned towards the program unless they are certificate core course requirements. Prerequisites are identified in the course description section of this catalog and below with a + sign next to each course with a prerequisite.

**Program Student Learning Outcomes (SLOs):**

Upon successful completion of the Certificate 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 and the duties and responsibilities of the criminal justice professional.
3. Demonstrate the ability to understand the interrelations, ethics, and role expectations of the criminal justice professional in society.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
EN 100R	Fundamentals of English/Reading+	(3)
EN 100W	Fundamentals of English/Writing+	(3)
MA 095	Pre-College Mathematics+	(4)
<i>Note: Criminal Justice students with concentration in Law Enforcement must take PY125 as their general education requirement.</i>		3
<i>Marine and Terrestrial Conservation Enforcement must take SI120 as their general education requirement.</i>		
<b>Total General Education Requirements</b>		<b>3</b>

*Note to students: The credits in parenthesis above count only for billing purposes and student semester load. They do not count toward credits needed for any degree or certificate.*

**B. Area of Concentration Requirements***1. Law Enforcement*

COURSE#	COURSE	CREDITS
CJ 100	Introduction to Criminal Justice	3
CJ 102	First Responder	3
CJ 126	Officer Survival+	3
CJ 126L	Officer Survival Laboratory+	1
CJ 132	Emergency Vehicle Operator Course (EVOC)+	3
CJ 135	Firearms Use/Safety/Care+	3
CJ 150	Criminal Procedure+	3
CJ 200	Criminal Law+	3
CJ 205	Police Report Writing+	3
CJ 225	Criminal Investigation+	3
<b>Total Law Enforcement Technical Requirements</b>		<b>28</b>

*2. Marine & Terrestrial Conservation Enforcement*

COURSE#	COURSE	CREDITS
CJ 100	Introduction to Criminal Justice	3
CJ 102	First Responder	3
CJ 122/SI 122	Introduction to Forensic Science+	4
CJ 126	Officer Survival+	3
CJ 126L	Officer Survival Laboratory+	1
CJ 132	Emergency Vehicle Operator Course (EVOC)+	3
CJ 135	Firearms Use/Safety/Care+	3
<b>Total Marine &amp; Terrestrial Conservation Enforcement Technical Requirements</b>		<b>20</b>

**C. Related Technical Requirements for Marine & Terrestrial Conservation**

COURSE#	COURSE	CREDITS
CJ 150	Criminal Procedure+	3
CJ 200	Criminal Law+	3
CJ 205	Police Report Writing+	3
CJ 225	Criminal Investigation+	3
CJ 292	Criminal Justice Practicum+	3
<b>Total Related Technical Requirements for Marine &amp; Terrestrial Conservation</b>		<b>15</b>
<b>TOTAL CREDITS REQUIRED, LAW ENFORCEMENT</b>		<b>31</b>
<b>TOTAL CREDITS REQUIRED, MARINE &amp; TERRETRIAL CONSERVATION</b>		<b>38</b>

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## Certificate in EARLY CHILDHOOD EDUCATION

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### Program Mission

The Early Childhood Education program's mission is to prepare individuals to be professional educators for young children so that they show a positive attitude toward all children and their families, and obtain the skills to plan and implement a program that is safe, educational, and healthy.

### Program Description

Early childhood educators and caregivers 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, thinking, problem solving, 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 Certificate in Early Childhood Education is closely aligned with national standards and meets Head Start requirements for classroom aides. Only technical requirement courses that have a grade of "C" or better will be counted towards the Certificate.

### Program Student Learning Outcomes (SLOs):

Upon successful completion of the Certificate in Early Childhood Education program, students will be able to:

1. Demonstrate professionalism and ethical conduct within the educational field.
2. Demonstrate appropriate knowledge and disposition needed to effectively work with young children, including those from culturally and linguistically diverse backgrounds, and students with disabilities.
3. Develop and implement developmentally and age-appropriate teaching strategies needed to effectively work with young children in a classroom setting.

### A. General Education Requirements

COURSE#	COURSE	CREDITS
EN 100R	Fundamentals of English/Reading+	(3)
EN 100W	Fundamentals of English/Writing+	(3)
	-or test out of the English placement test	
MA 095	Pre-College Mathematics+	(4)
	-or test out of this course in the math placement test	
<b>Total General Education Requirements</b>		<b>0</b>

*Note to students: The credits in parenthesis above count only for billing purposes and student semester load. They do not count toward credits needed for any degree or certificate.*

### B. Technical Requirements

COURSE#	COURSE	CREDITS
CD 110	Early Childhood Education Orientation or ED150 (Introduction to Teaching)	3
CD 140	Environments for Young Children	3
CD 180	Language Arts in Early Childhood	3
CD 221	Child Growth & Development or ED220 (Human Growth and Development)	3
ED 231	Introduction to Exceptional Children+	3
CD 240	Cognitive & Creative Development in Early Childhood+	3
CD 260	Social & Emotional Development+	3
CD 292	ECE Practicum+	3
<b>Total Technical Requirements</b>		<b>24</b>

### C. Related General Education and Technical Elective

**6**

**TOTAL CREDITS REQUIRED**

**30**

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## Certificate in EDUCATION

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### Program Mission

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

### Program Description

The Certificate in Education program 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 Bachelors degree in the field. Emphasis is placed on student learning outcomes in a broad range of educational areas. All courses taken for the Certificate in Education also fulfill the requirements for the Associate of Arts in Education degree. Only technical requirement courses that have a grade of "C" or better will be counted towards the Certificate.

**Program Student Learning Outcomes (SLOs):**

Upon successful completion of the Certificate in Education program, students will be able to:

1. Demonstrate professionalism and ethical conduct within the educational field.
2. Demonstrate appropriate knowledge, disposition needed to effectively work with students, including those from culturally and linguistically diverse backgrounds, and students with disabilities.
3. Develop and implement developmentally and age-appropriate teaching strategies needed to effectively work with students in a classroom setting.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
EN 100R	Fundamentals of English/Reading+	(3)
EN 100W	Fundamentals of English/Writing+ -or placement into EN 110 or higher	(3)
MA 108	Introduction to College Algebra+ -or placement into MA 110A+ or higher	3
<b>Total General Education Requirements</b>		<b>3</b>

*Note to students: The credits in parenthesis above count only for billing purposes and student semester load. They do not count toward credits needed for any degree or certificate.*

**B. Technical Requirements**

COURSE#	COURSE	CREDITS
ED 150	Introduction to Teaching	3
ED 180	Educational Methods	3
ED 220	Human Growth & Development OR	3
CD 221	Child Growth & Development	
ED 231	Introduction to Exceptional Children+	3
ED 292	Education Practicum+	3
ASL 100	American Sign Language I	4
HI 121	History of World Civilization I	3
HL 202	Nutrition	3
PS 140	American Government	3
<b>Total Technical Requirements</b>		<b>28</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>31</b>

**Certificate in EMERGENCY MANAGEMENT****Program Mission**

It is the mission of the Emergency Management program to provide students with a basic foundation in various aspects of emergency management to train them to be emergency managers who are prepared to deal with different types of emergencies that affect all communities.

**Program Description**

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 management, 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 a Certificate in Emergency Management.

The Emergency Management program's technical 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 Certificate 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 in emergency situations.
4. Make decisions, solve problems, and use critical thinking skills vis-a-vis the emergency planning process.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
EN 110	Freshman Composition+	3
MA 108	Introduction to College Algebra+	3
<b>Total General Education Requirements</b>		<b>6</b>

**B. Technical Requirements**

(Corresponding to EMI Independent Study Program "IS" course numbers). Students must choose 19 from the following IS Courses:

COURSE#	COURSE	CREDITS
EMI 100	Emergency Manager	1
EMI 102	Hazardous Materials	1
EMI 104	A Citizen's Guide to Disaster Assistance	1
EMI 106	Building for the Earthquakes of tomorrow	1
EMI 108	Orientation to Disaster Exercise	1
EMI 110	Exercise Design	1
EMI 112	State Disaster Management	1
EMI 114	Principles of Emergency Management	1
EMI 116	Emergency Planning	1
EMI 118	Leadership & Influence	1
EMI 120	Decision Making & Problem Solving	1
EMI 122	Effective Communication	1
EMI 124	Developing & Managing Volunteers	1
EMI 126	Anticipating Hazardous Weather	1
EMI 128	Emergency Operations Center Role	1
EMI 130	Volunteer Agencies in Emergency Management	1
EMI 132	Disaster Basics	1
EMI 134	Community Hurricane Preparedness	1
EMI 136	Hazardous Material Prevention	1
EMI 138	Multi-hazard Emergency Planning for Schools	1
EMI 140	Introduction to Mitigation	1
EMI 142	Protecting your Home and Small Business from Disaster	1
EMI 144	Introduction to Public Assistance	1
EMI 146	Debris Operation	1
EMI 148	Incident Command System	1
EMI 150	National Incident Management System	1
EMI 152	National Response Plan & Disaster Medical System	1
<b>Total Technical Requirements</b>		<b>19</b>

**C. Related Technical Requirements**

COURSE#	COURSE	CREDITS
PS 140	American Government+	3
HL 130	First Aid & Safety	1
EMI 154	Community Emergency Response Team	1
<b>Total Related Technical Requirements</b>		<b>5</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>30</b>

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## Certificate in ENVIRONMENTAL TECHNICIAN

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### Program Description

This Certificate in Environmental Technician is designed to provide entry-level training for those interested in supporting environmental services. Emphasis is placed on developing field skills as well as competencies in basic science and math content for technical work. The program will serve as a career or educational ladder for students interested in interdisciplinary environmental studies.

### Program Student Learning Outcomes (SLOs):

Upon successful completion of the Certificate in Environmental Technician program, students will be able to:

1. Demonstrate professionalism and ethical conduct within disciplines in the environmental field.
2. Demonstrate interdisciplinary knowledge and skills needed to effectively work in the environmental field.
3. Demonstrate proficiency in technical methods and data handling and processing methodology.

### A. General Education Requirements

COURSE#	COURSE	CREDITS
English Composition: (3 credits from the following list)		
EN 110	Freshman Composition+	3
EN 111	Writing for Research+	3
Mathematics: (minimum 3 credits from the following list)		
MA 108	Introduction to College Algebra+	3
MA 110A	Finite Mathematics+	3
MA 161A	College Algebra & Trigonometry I+	4
MA 161B	College Algebra & Trigonometry II+	4
<b>Minimum Total General Education Requirements</b>		<b>6</b>

### B. Technical Requirements

COURSE#	COURSE	CREDITS
Biological Science: 8 credits		
Student can select between SI 103 or SI 110 with respective labs, and SI 150.		
SI 103	Introduction to Marine Biology+	3
SI 103L	Introduction to Marine Biology Laboratory+	1
SI 110	Environmental Biology+	3
SI 110L	Environmental Biology Laboratory+	1
SI 150	Introduction to Microbiology+	4
Physical Science: 8 credits		
SI 101	Introduction to Chemistry+	3
SI 101L	Introduction to Chemistry Laboratory+	1
SI 105	Introduction to Physical Geology+	3
SI 105L	Introduction to Physical Geology Laboratory+	1
Core Technical requirements:		
SI 125	Scientific Methods and Data Analysis+	3
SI 155	HAZWOPER+	3
SU 250	Introduction to Geographic Information Systems	3
<b>Total Technical Requirements</b>		<b>25</b>
<b>TOTAL CRDITS REQUIRED</b>		<b>31</b>

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## Certificate in FAMILY SERVICES

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### Program Description

The Certificate in Family Services program is designed to provide entry level training for paraprofessionals providing human services to families. Emphasis is placed on developing competencies for the effective delivery of human services.

Course requirements may identify prerequisites that must be completed with a passing grade. Prerequisite course credits are not counted as credits earned towards the program unless they are certificate core course requirements. Prerequisites are identified in the course description section of this catalog and below with a + sign next to each course with a prerequisite.

### Program Student Learning Outcomes (SLOs):

Upon successful completion of the Certificate in Family Services program, students will be able to:

1. Demonstrate effective communication skills with clients and co-workers.

2. Demonstrate appropriate competency needed in the effective delivery of human services.
3. Demonstrate professionalism and ethical conduct within the field.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
EN 110	Freshman English+	3
MA 095	Pre-College Mathematics+ -or test out of the math placement test	(4)
PY 120	General Psychology+	3
SO 130	Introduction to Sociology+	3
<b>Total General Education Requirements</b>		<b>9</b>

*Note to students: The credits in parenthesis above count only for billing purposes and student semester load. They do not count toward credits needed for any degree or certificate.*

**B. Technical Requirements**

COURSE#	COURSE	CREDITS
HM 110	Introduction to Community Services	3
FA 192	Family Services Practicum+	3
HM 201	Social Welfare: A World View	3
ED 220	Human Growth and Development OR	3
CD 221	Child Growth and Development -recommended for those interested in working with children birth to age five	
<b>Total Technical Required Courses</b>		<b>12</b>

**C. Related General Education & Technical Requirements**

COURSE#	COURSE	CREDITS
	Complete at least 9 credits from the following list of courses or other courses approved by the Department Chairperson.	
ASL 100	American Sign Language I	4
ASL 110	American Sign Language II+	4
CD 260	Social & Emotional Development+	3
CJ 100	Introduction to Criminal Justice	3
CJ 101	Juvenile Justice Process+	3
CJ 104	Dynamics of Substance Abuse	3
CS 151	Windows Applications+	3
ED 231	Introduction to Exceptional Children+	3
ED 270	Behavior Management	3
EN 125	Introduction to Human Communication and Speech+	3
HL 202	Nutrition	3
HU 120	Pacific Cultures	3
OA 101	Keyboarding Applications	3
<b>Total Related General Education &amp; Technical Requirements</b>		<b>9</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>30</b>

**Certificate in FIRE SCIENCE TECHNOLOGY****Program Mission**

It is the mission of the Fire Science Technology program to prepare, educate, and train students for a career in firefighting.

**Program Description**

The certificate program in Fire Science Technology is not open to the general public. It is a competency-based academy program designed to offer entry-level training for fire recruits. Students who wish to attend the GCC Fire Academy should first obtain employment with the Guam Fire Department or any other Pacific Basin fire department that sends recruits to the GCC Fire Academy for basic training.

Course requirements may identify prerequisites that must be completed with a passing grade. Prerequisite course credits are not counted as credits earned towards the program unless they are certificate core course requirements. Prerequisites are identified in the course description section of this catalog and below with a + sign next to each course with a prerequisite.

**Program Student Learning Outcomes (SLOs):**

Upon successful completion of the Certificate in Fire Science Technology, students will be able to:

1. Understand the current tactics used by fire personnel for suppression and prevention of fires, the operations and role of fire personnel, and the functions of fire service within the community.
2. Analyze and apply the theories, techniques, and methods of basic fire and rescue.
3. Demonstrate the techniques required for fire safety and prevention, to work as a team, and to respond to a variety of emergency situations.

#### A. General Education Requirements

COURSE#	COURSE	CREDITS
EN 100R	Fundamentals of English/Reading+	(3)
EN 100W	Fundamentals of English/Writing+	(3)
MA 095	Pre-College Mathematics+	(4)
<b>Total General Education Requirements</b>		<b>0</b>

#### B. Technical Requirements

COURSE#	COURSE	CREDITS
FS 100	Introduction to Fire Protection+	3
FS 101	Introduction to Fire Suppression+	3
FS 102	Fire Service on Guam	3
FS 103	Fire Operations I+	6
FS 104	Fire Operations II+	3
FS 105	Fire Prevention+	3
FS 107	Report Writing for the Fire Service+	3
<b>Total Technical Required Courses</b>		<b>24</b>

#### C. Related Technical Electives

COURSE#	COURSE	CREDITS
EMS 103	EMT-A Basic	8
<b>Total Related Technical Electives</b>		<b>8</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>32</b>

### Certificate in MEDICAL ASSISTING

#### Program Mission

The mission of the Medical Assisting program is to prepare students for employment as medical assistants in physician's offices or clinics and to provide students opportunities to further their career in the medical assisting field.

#### Program Description

Medical Assistants assist physicians in private medical offices, clinics and in hospital outpatient clinics with patient care as well as with routine office laboratory and diagnostic tests. Graduates are eligible to take the Certified Medical Assistant (CMA) credential. Medical Assistants who successfully complete the Certification Examination are granted the "Certified Medical Assistant" (CMA) credential. The Guam Community College Medical Assisting Program is accredited by the Commission on Accreditation of Allied Health Programs upon the recommendation of the Curriculum Review Board of the American Association of Medical Assistants Endowment (AAMAE).

The Medical Assisting program prepares students for employment as medical assistants in physician's offices or clinics. The curriculum is designed to provide training in administrative and clinical settings. Instruction is given in basic medical office procedures (including appointment scheduling, billing and insurance), assisting with examinations, surgical and laboratory procedures (including venipuncture and pharmacology).

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).

Prerequisites are listed for certain related technical requirement courses.

Note: Only courses that have a grade of "C" or better will be counted towards the certificate. Students must maintain a grade point average of 2.0 or better to continue in the program. If students earn any grade below a "C" in their medical assisting courses, they will not be able to continue the course sequence. Each class must be successfully passed in order to move on to upper level courses.



**Program Student Learning Outcomes (SLOs):**

Upon successful completion of the Certificate in Medical Assisting program, students will be able to:

1. Display professionalism, including adherence to ethical and legal responsibilities, in performing administrative and clinical duties.
2. Meet national Standards for Medical Assistants in carrying out administrative duties in the clinic or physician’s office.
3. Enter the health service field as certified medical assistants.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
<b>Total General Education Requirements</b>		<b>0</b>

**B. Technical Requirements**

COURSE#	COURSE	CREDITS
MS 101	Introduction to Medical Assisting	3
MS 120	Clinical Medical Assisting I+	2
MS 121	Clinical Medical Assisting II+	2
MS 125	Clinical Office Experience+	1
MS 140	Administrative Medical Assisting+	2
MS 141	Administrative Medical Assisting Laboratory+	2
MS 145	Administrative Medical Assisting Clinical+	1
MS 160	Introduction to Pharmacology+	1
HL 162	Administration of Medication+	1
HL 140	Introduction to Clinical Laboratory+	2
MS 292	Medical Assisting Practicum+	5
MS 210	Medical Assisting Critique+	1
<b>Total Technical Requirements</b>		<b>23</b>

**C. Related General Education & Technical Requirements**

COURSE#	COURSE	CREDITS
HL 120	Medical Terminology	2
HL 131	Basic Life Support for Health Care Providers	1
HL 150	Study of Diseases+	3
MS 201	Medical Law and Ethics	2
<b>Total Related General Education &amp; Technical Requirements</b>		<b>8</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>31</b>

**Certificate in MEDIUM/HEAVY TRUCK DIESEL TECHNOLOGY**

**Program Description**

The Medium/Heavy Truck Diesel Technology program prepares graduates to work in the automotive field with special emphasis in diesel service. Graduates will be able to troubleshoot, maintain, and repair various types of diesel engines, trucks, boats, and other heavy equipment. Students will obtain knowledge and skills in Medium/Heavy Truck in a variety of areas to include: diesel engines, drive trains, brake systems, suspension and steering, heating, ventilation, air conditioning, hydraulics, electrical/electronic systems, and preventive maintenance.

Students completing this program will have preparatory knowledge in the eight main areas of the Medium/Heavy Truck Diesel Technology and will prepare them for entry-level, Assistant Technician positions. This program prepares graduates to pass the ASE National Certification Exams and enter the workforce as entry-level, Junior Technicians.

**Program Student Learning Outcomes (SLOs):**

Upon successful completion of the Certificate in Medium/Heavy Truck Diesel Technology program, students will be able to:

1. Seek employment as a Heavy/Medium Truck Technician, Fleet Mechanic, Heavy Marine Diesel Technician, Generator Repair, Heavy Equipment Repair or Parts Counter person.
2. Troubleshoot, maintain, and repair various heavy trucks and mobile equipment, including bulldozers, boats, cranes, road graders, farm tractors, and combines.

**A. General Education Requirements**

Students must demonstrate proficiency in reading, writing, understanding, and speaking English as indicated by one of the following:

- ◆ Test out of the English Placement Test, or
- ◆ Satisfactory completion of EN 100 courses, and

- ◆ Satisfactory completion of MA 108 or test out of the math placement test.

COURSE#	COURSE	CREDITS
EN 100R	Fundamentals of English/Reading+	(3)
EN 100W	Fundamentals of English/Writing+	(3)
MA 108	Introduction to College Algebra+	3
<b>Total General Education Requirements</b>		<b>3</b>

*Note to students: The credits in parenthesis above count only for billing purposes and student semester load. They do not count toward credits needed for any degree or certificate.*

**B. Technical Requirements**

COURSE#	COURSE	CREDITS
MHT 100A	Intro to Diesel Technology and Preventive Maintenance Part I	3
MHT 100B	Intro to Diesel Technology and Preventive Maintenance Part II+	3
MHT 110	Diesel Engines Part I+	3
MHT 120	Medium/Heavy Truck Drive Trains Part I	3
MHT 130	Brake Systems Part I+	3
MHT 140	Suspension & Steering Part I+	3
MHT 150	Medium/Heavy Truck Heating, Ventilation, & Air Conditioning+	3
MHT 160	Hydraulics+	3
MHT 170	Medium/Heavy Truck Electrical/Electronic Systems Part I	3
MHT 210	Diesel Engines Part II+	3
MHT 230	Brake Systems Part II+	3
MHT 270	Medium/Heavy Truck Electrical/Electronic Systems Part II+	3
<b>Total Technical Requirements</b>		<b>36</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>39</b>

**Certificate in OFFICE TECHNOLOGY**

**Program Mission**

The mission of the Office Technology program is to prepare students for entry- through mid-level positions in an automated office environment by providing educational opportunities that will enable them to obtain, enhance, and/or strengthen their knowledge, skills, and attitudes necessary to succeed in a constantly evolving technological world.

**Program Description**

This program is designed to prepare the student for entry- through mid-level employment or may be used to update office technology knowledge and skills for job advancement in the business office.

**Program Student Learning Outcomes (SLOs):**

Upon successful completion of the Certificate 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. Use and integrate several office applications.

**A. General Education Requirements**

Students must demonstrate proficiency in reading, writing, understanding, and speaking English as indicated by one of the following:

- ◆ Test out of the English Placement Test, or
- ◆ Satisfactory completion of EN 100 courses, and
- ◆ Students must complete MA 108 or test out of the math placement test.

COURSE#	COURSE	CREDITS
EN 110	Freshman Composition+	3
MA 108	Introduction to College Algebra+	3
CS 151	Windows Applications+	3
PY 125	Interpersonal Relations	3
<b>Total General Education Requirements</b>		<b>12</b>

**B. Technical Requirements**

COURSE#	COURSE	CREDITS
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OA 101	Keyboarding Applications	3
OA 103	Filing Systems+	3
OA 130	Information Processing+	3
OA 210	Database Management Systems+	3
OA 211	Business Communications+	3
OA 220	Spreadsheet Systems	3
OA 230	Advanced Information Processing+	3
OA 250	Office Procedures+	3
<b>Total Technical Requirements</b>		<b>24</b>
<b>C. Technical Electives</b>		
COURSE#	COURSE	CREDITS
	Complete 6 credits from the following courses:	
AC 100	Fundamentals of Bookkeeping and Accounting+	3
OA 109	Business Math Using Excel	3
SM 108	Introduction to Business	3
<b>Total Technical Elective Requirements</b>		<b>6</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>42</b>

## Certificate in PRACTICAL NURSING

### Program Mission

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 as well as the Pacific region. The Guam Community College Nursing Program is committed to provide career guidance and education in nursing to those students from Guam and the Pacific Basin who desire to become Nurse Assistants and/or Practical Nurses. To accomplish this commitment, we offer a Certificate of Completion for Nursing Assistants (NA) and a certificate of completion for Practical Nursing. At the completion of the Practical Nursing program, graduates are eligible to take the NCLEX-PN (National Council Licensure Examination) which leads to a Practical Nurse (LPN) license in the territory of Guam or in the United States.

### Program Description

The Certificate of Practical Nursing program prepares students to become Licensed Practical Nurses (LPN). LPNs may find work in a variety of settings such as hospitals, nursing homes, doctor's offices, public health departments, schools, and various government programs. Ideally, LPNs work under the supervision of registered nurses. The duties of an LPN include checking blood pressure, pulse and respiration, taking blood and urine samples, and monitoring and recording what patients eat and when. LPNs change bandages, help patients dress and bathe, and observe patients for any changes in their condition or reactions to medications. They treat bedsores, prepare injections, insert catheters, and give alcohol rubs and massages. In states where the law allows, they administer prescribed medication and start intravenous fluids. Some LPNs help deliver, care for, and feed babies. LPNs provide not only routine bedside care but help evaluate clients' needs, develop care plans, and supervise nursing aides. In doctors' offices and clinics, LPNs make appointments, keep records, and perform other clerical duties.

Students who successfully complete this three semester program will be eligible to take the National Council Licensure Examination for Practical Nurses (NCLEX-PN). This exam is administered by the National Council on State Boards of Nursing (NCSBN) and will enable students to earn a license in Practical Nursing. Collaborative learning takes place in the classroom, laboratory, and in clinical settings. With the exception of Nursing Fundamentals, admissions to the Practical Nursing program includes:

- admission requirements established by the department
- advisement from Allied Health Department faculty
- completion of English and Mathematics Placement Tests with acceptable scores, or
- completion of English developmental courses or completion of MA095 and
- health clearance, including required immunizations.

Note: The Guam Board of Nurse Examiners requires microbiology as a subject area in order to be eligible to take the National Council Licensure Examination for Practical Nurses (NCLEX-PN). Students are encouraged to meet with their academic advisor to discuss their educational plan.

### Program Student Learning Outcomes (SLOs):

Upon successful completion of the Certificate in Practical Nursing program, students will be able to:

1. Meet local and national standards for practical nurses in performing nursing care.
2. Be eligible for and prepared to take the NCLEX-PN exam in order to become LPNs or to enter more advanced degree nursing programs.
3. Demonstrate therapeutic nursing interventions to include the following:
  - Take and record temperature, blood pressure, pulse, weight and height.

- Dress wounds, prepare injections, and collect urine/blood samples.
- Feed, bathe, dress, clean, and move patients.
- Administer medication when authorized.
- Observe patients, report changes in their condition, and keep patients' records.
- Teach patients good health and safety habits.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
Completion of the general education requirements or equivalent course work at GCC or from accredited U.S. institutions.		
<b>Total General Education Requirements</b>		<b>0</b>

**B. Technical Requirements**

COURSE#	COURSE	CREDITS
NU 110	Nursing Foundations & Basic Skills+	8
NU 140	Mental Health Nursing	2
NU 160	Pharmacology for Practical Nurses+	4
NU 220	Adult Medical-surgical Nursing+	8
NU 230	Maternal/Newborn Concepts & Skills+	3
NU 240	Pediatric Nursing Concepts & Skills+	3
NU 280	Nursing Trends+	1
NU 281	NCLEX-PN Review and Transition	2
NU 292	Practical Nursing Clinical+	6
<b>Total Technical Requirements</b>		<b>37</b>

**C. Related Technical Requirements**

COURSE#	COURSE	CREDITS
Completion of the related technical requirements or equivalent course work at GCC or from accredited U.S. institutions.		
<b>Total Related Technical Requirements</b>		<b>0</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>37</b>

**Certificate in SIGN LANGUAGE INTERPRETING**

**Program Mission**

GCC's Certificate in Sign Language Interpreting program prepares students to facilitate communication for the Deaf in a variety of community and educational settings.

**Program Description**

The Certificate in Sign Language Interpreting is designed to train individuals to become Sign Language Interpreters and facilitators of communication for the Deaf. The program combines theoretical and practical learning experiences that will further develop the students' linguistic knowledge and understanding of American Sign Language (ASL), as well as their awareness of Deaf culture

**Program Student Learning Outcomes (SLOs):**

Upon successful completion of the Certificate in Supervision and Management program, students will be able to:

1. Demonstrate effective communication skills using American Sign Language (ASL).
2. Demonstrate critical thinking and appropriate ethical responses required by the Registry of Interpreters for the Deaf's (RID) Code of Professional Conduct.
3. Display a non-biased attitude when working the Deaf and Hard of Hearing through proper conduct.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
Test out of English and Math Placement Test, or Satisfactory completion of the following courses:		
EN 100R	Fundamentals of English/Reading+	
EN 100W	Fundamentals of English/Writing+	
MA 108	Introduction to College Algebra+ or higher+	3
<b>Total General Education Requirements</b>		<b>3</b>

**B. Technical Requirements**

COURSE#	COURSE	CREDITS
ASL 100	American Sign Language I+	4
ASL 110	American Sign Language II+	4

ASL 120	American Sign Language III+	4
ASL 130	American Sign Language IV+	4
AC 211	Accounting Principles I+	4
IN 145	Vocabulary Development for Intercultural Development+	3
IN 170	Introduction to Interpreting	3
IN220	Voice to Sign Interpreting	3
IN 180	Ecology of Deafness	3
<b>Total Technical Requirements</b>		<b>28</b>
		<b>TOTAL CREDITS REQUIRED 31</b>

## Certificate in SUPERVISION AND MANAGEMENT

### Program Mission

The mission of the Supervision & Management program is to develop a management workforce reflecting industry needs as a result of the dynamic economic business environment in the Guam community and beyond.

### Program Description

The Certificate in Supervision and Management program prepares students for entry-level and assistant management positions in supervision and management.

### Program Student Learning Outcomes (SLOs):

Upon successful completion of the Certificate in Supervision and Management program, students will be able to:

1. Recall theory and principles related to supervisory principles and procedures.
2. Demonstrate entry-level supervisory and management skill techniques in business operations.
3. Demonstrate practical leadership decision-making based on sound business practice, experience, and judgment.

### A. General Education Requirements

COURSE#	COURSE	CREDITS
EN 110	Freshman Composition+	3
MA 108	Introduction to College Algebra+ or higher+	3
<b>Total General Education Requirements</b>		<b>6</b>

### B. Technical Requirements

COURSE#	COURSE	CREDITS
AC 211	Accounting Principles I+	4
CS 151	Windows Applications+ OR	
CS 152	Macintosh Applications+	3
EC 110	Principles of Economics+	3
SM 108	Introduction to Business	3
SM 208	Personnel Supervision	3
SM 211	E-commerce Management	3
SM 220	Management Skill Development	3
SM 225	Leadership	3
SM 230	Business Law Applications	3
SM 245	Ethics & Stakeholders Management	3
<b>Total Technical Requirements</b>		<b>31</b>
		<b>TOTAL CREDITS REQUIRED 37</b>

## Certificate in SURVEYING TECHNOLOGY

### Program Description

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 1 Certified Survey Technician examination prepared by the American Society on Surveying and Mapping National Society of Professional Surveyors (ACSM-NSPS).

### Program Student Learning Outcomes (SLOs):

Upon successful completion of the Certificate in Surveying Technology program, students will be able to:

1. Demonstrate preparedness to enter productive technical positions in the geospatial fields of surveying, mapping, and Geographic Information Systems.

2. Successfully pass the American Society on Surveying and Mapping National Society of Professional Surveyors (ACSM-NSPS) Level 1 Certified Survey Technician examination.
3. Develop a professional work ethic needed in the surveying industry.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
EN 110	Freshman Composition+	3
MA 110A	Finite Mathematics+	3
<b>Total General Education Requirements</b>		<b>6</b>

**B. Technical Requirements**

COURSE#	COURSE	CREDITS
SU 100	Surveying Drafting	3
SU 101	Surveying Problems I	3
CE 211	Plane Surveying I+	3
CE 222	Plane Surveying II+	3
SU 230	Advanced Surveying+	3
SU 250	Introduction to Geographic Information Systems	3
SU 292	Surveying Practicum+	1
<b>Total Technical Requirements</b>		<b>19</b>

**C. Related General Education Requirements & Technical Requirements**

COURSE#	COURSE	CREDITS
AE 121	Technical Engineering Drawing I	3
AE 150	Computer Aided Design & Drafting (CADD) I+	3
CS 101	Introduction to Computer Systems & Information Technology+	3
HL 130	First Aid & Safety	1
MA 161A	College Algebra & Trigonometry I+	4
MA 161B	College Algebra & Trigonometry II+	4
<b>Total Related General Education Requirements</b>		<b>18</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>43</b>

# Associate Degree Programs

## **Associate of Science**

- ◆ Accounting
- ◆ Automotive Service Technology General Service Technician
- ◆ Automotive Service Technology Master Service Technician
- ◆ Civil Engineering Technology
- ◆ Computer Networking
- ◆ Computer Science
- ◆ Criminal Justice
- ◆ Early Childhood Education
- ◆ Emergency Management
- ◆ Food & Beverage Management
- ◆ International Hotel Management
- ◆ Human Services
- ◆ Marketing
- ◆ Medical Assisting
- ◆ Office Technology
- ◆ Pre-Architectural Drafting
- ◆ Supervision and Management
- ◆ Surveying Technology
- ◆ Tourism & Travel Management
- ◆ Visual Communications

## **Associate of Arts**

- ◆ Culinary Arts
- ◆ Education
- ◆ Liberal Studies

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## General Requirements for ASSOCIATE DEGREE

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All candidates for an Associate Degree at the College must meet the general requirements listed below. Course requirements may identify prerequisites that must be completed with a passing grade. Prerequisite course credit is not counted as credit earned towards the program unless it is an Associate Degree core course requirement. Prerequisites are identified in the course description section of this catalog, and below with a + sign next to each course with a prerequisite.

Effective fall Semester 2003, several academic policy changes were implemented to ensure that students are adequately prepared to meet business and industry standards. All undeclared or newly Declared Students enrolled in regularly scheduled postsecondary courses must be enrolled in or have completed EN110 Freshman Composition general education requirement by the time they have enrolled in 12 credits of classes. They must also enroll in or have completed MA110A Finite Mathematics (or higher) general education requirement by the time they have enrolled in 15 credits. This means that students may take only nine to eleven (9-11) credits before they must begin meeting the general education requirements. All declared students in Associate Degree programs are required to successfully complete minimum standardized general education course requirements. For more information, refer to the Admissions Information and General Education Policy section of this catalog.

### A. General Education Requirements

COURSE#	COURSE	CREDITS
<b>Please refer to the General Education requirements in this catalog.</b>		
Minimum Total General Education Requirements		19

### B. Technical Requirements

COURSE#	COURSE	CREDITS
Minimum Total Technical Requirements		Variable by program

### C. Related General Education & Technical Requirements

COURSE#	COURSE	CREDITS
Minimum Total Related Gen Ed/Technical Requirements		Variable by program
<b>MINIMUM TOTAL CREDITS REQUIRED FOR AN ASSOCIATE DEGREE</b>		<b>60</b>

*Note: No course may be counted for both Technical Major and Science/Technology General Education requirements.*

Placement testing is not mandatory for admission to the College. Completion of placement testing, however, is required for enrollment into English and Mathematics courses. Therefore, students who plan to enroll full-time in a program should take the placement test to be eligible for a full load of courses.

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## A Statement on STUDENT LEARNING OUTCOMES (SLOs)

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Program Student Learning Outcomes follow each program description. 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 each academic year 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.

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## SLO Mapping - ILO, PROGRAM, AND COURSE LEVELS

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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.

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## Associate of Science in ACCOUNTING

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### Program Mission

The mission of the Accounting program is to develop an accounting workforce reflecting the needs arising from the continual changing economic business environment in the Guam community and the region.

### Program Description

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.

### A. General Education Requirements

COURSE#	COURSE	CREDITS
<i>Note: Accounting majors must take EN110, MA110A, CS151, SI103 or SI110, PY125 or SO130, and PH101</i>		

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### Please refer to the General Education requirements in this catalog.

Minimum Total General Education Requirements	19
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### B. Technical Requirements

COURSE#	COURSE	CREDITS
AC 110	Payroll Accounting+	3
AC 150	Federal Income Tax I+	3
AC 210	Introduction to Financial Management+	3
AC 211	Accounting Principles I+	4
AC 212	Accounting Principles II+	4
AC 233	Accounting on The Computer Using QuickBooks+	3
Six credits from courses		
AC 225	Hospitality Industry Accounting	3
AC 240	Certified Bookkeeper Review	3
AC 250	Federal Income Tax II	3
<b>Total Technical Requirements</b>		<b>26</b>

### C. Related General Education & Technical Requirements

COURSE#	COURSE	CREDITS
EC 110	Principles of Economics+	3
OA 211	Business Communication+	3
OA 220	Spreadsheet Systems	3
SM 108	Introduction to Business	3
SM 230	Business Law Applications	3
<b>Total Related General Education &amp; Technical Requirements</b>		<b>15</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>60</b>

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## Associate of Science in AUTOMOTIVE SERVICE TECHNOLOGY GENERAL SERVICE TECHNICIAN

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### Program Mission

The mission of the Automotive program is to develop a skilled and competent automotive workforce, based on industry needs, for the Guam community and the region.

### Program Description

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.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
<b>Please refer to the General Education requirements in this catalog.</b>		
<b>Minimum Total General Education Requirements</b>		<b>20</b>

**B. Technical Requirements**

COURSE#	COURSE	CREDITS
AST 100	Introduction to Automotive Service	3
AST 110	Engine Repair	3
AST 120	Automatic Transmission and Transaxle I	3
AST 130	Manual Drive Train and Axles	3
AST 140	Suspension and Steering+	3
AST 150	Brakes+	3
AST 160	Electrical/Electronic Systems+	3
AST 180A	Engine Performance I (Tune-up, No Fuel/Emission)+	3
AST 180B	Engine Performance II (Fuels & Emissions Systems)+	3
AST 240	Theory/Practicum: Suspension and Steering+	2
AST 250	Theory/Practicum: Brakes+	2
AST 260	Theory/Practicum: Electrical/Electronic Systems+	4
AST 280	Theory/Practicum: Engine Performance+	5
<b>Total Technical Requirements</b>		<b>40</b>
<b>TOTAL CREDITS REQUIRED</b>		
<b>General Service Technician</b>		<b>60</b>

**Associate of Science in AUTOMOTIVE SERVICE TECHNOLOGY MASTER SERVICE TECHNICIAN**

**Program Mission**

The mission of the Automotive program is to develop a skilled and competent automotive workforce, based on industry needs, for the Guam community and the region.

**Program Description**

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/electronics; 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.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
<b>Please refer to the General Education requirements in this catalog.</b>		

Minimum Total General Education Requirements		19
<b>B. Technical Requirements</b>		
COURSE#	COURSE	CREDITS
AST 100	Introduction to Automotive Service	3
AST 110	Engine Repair+	3
AST 120	Automatic Transmission and Transaxle I+	3
AST 130	Manual Drive Train and Axles+	3
AST 140	Suspension and Steering	3
AST 150	Brakes	3
AST 160	Electrical/Electronic	3
AST 170	Heating and Air Conditioning+	3
AST 180A	Engine Performance I	3
AST 180B	Engine Performance II	3
AST 210	Theory/Practicum: Engine Repair+	3
AST 220	Automotive Transmission and Transaxle II+	3
AST 230	Theory/Practicum: Manual Drive Train and Axles+	2
AST 240	Theory/Practicum Suspension & Steering	2
AST 250	Theory/Practicum: Brakes	2
AST 260	Theory/Practicum: Electrical/Electronic Systems	4
AST 270	Theory/Practicum: Heating and Air Conditioning+	2
AST 280	Theory/Practicum: Engine Performance	5
Total Technical Requirements		53
<b>TOTAL CREDITS REQUIRED</b>		<b>72</b>

### Associate of Science in CIVIL ENGINEERING TECHNOLOGY

#### Program Mission

The mission of the Civil Engineering Technology Program is to train engineering technicians for successful entry and performance in the civil engineering field.

#### Program Description

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.

#### A. General Education Requirement

COURSE#	COURSE	CREDITS
<b>Please refer to the General Education requirements in this catalog.</b>		
<i>Note: Civil Engineering students must take SII41, SII42, MA161A, and MA161B as their general education requirements.</i>		
Minimum Total General Education Requirements		22

#### B. Technical Requirements

COURSE#	COURSE	CREDITS
CE 211	Plane Surveying I+	3
CE 221	Strength of Materials+	3
AE 160	Computer Aided Design & Drafting (CADD) II+	4
CE 213	Hydraulics+	3
CE 214	Structural Design+	3
Optional Emphasis Courses:		
CE 222	Plane Surveying II+	3
CE 224	Highways+	3
Total Technical Requirements		15

**C. Related General Education & Technical Requirements**

COURSE#	COURSE	CREDITS
OR 101	Introduction to Engineering Technology	3
AE 121	Technical Engineering Drawing I	3
AE 122	Technical Engineering Drawing II+	3
AE 138	Building Codes, Specifications & Construction Management+	3
CE 121	Properties of Materials	3
CE 210	Statics+	3
CE 215	Construction Procedures+	3
CE 225	Construction Planning & Estimating+	3
EN 194	Technical Report Writing+	3
<b>Total Related General Education &amp; Technical Requirements</b>		<b>27</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>64</b>

**Associate of Science in COMPUTER NETWORKING****Program Mission**

The mission of the Computer Networking program is to prepare students and people in the industry to be trained and certified in computer repair, networking and telecommunication.

**Program Description**

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.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
<b>Please refer to the General Education requirements in this catalog.</b>		
<b>Minimum Total General Education Requirements</b>		<b>19-20</b>

**B. Technical Requirements**

COURSE#	COURSE	CREDITS
EE 103	Electricity I: Direct Current Circuits+	3
EE 211	IT Essentials I+	4
EE 215	IT Essentials II+	3
EE242	Principles of Voice and Data Cabling+	2
EE283	Network Security+	2
<b>Total Technical Requirements</b>		<b>15</b>

**C. Advanced Technical Requirements**

COURSE#	COURSE	CREDITS
EE 243	Fiber Optics Installation+	3
EE 265	Computer Networking I	4
EE 266	Computer Networking II+	4
EE 267	Computer Networking III+	4
EE 268	Computer Networking IV+	4
<b>Total Advanced Technical Requirements</b>		<b>19</b>

**D. Professional Electives**

Complete at least 7-8 credits from the following list of electives:

COURSE#	COURSE	CREDITS
CS210A	Configuring Windows 7	3
EE 104	Electricity II: Alternating Current Circuits+	4
EE 112	Electronic Devices+	4
EE 116	Digital Technology+	4
EE 271	Advanced Computer Networking I+	4
EE 275	Advanced Computer Networking III+	4
EE 292	Practicum	3
<b>Total Professional Elective Requirements</b>		<b>7-8</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>60-62</b>

## Associate of Science in COMPUTER SCIENCE

### Program Mission

The mission of the Computer Science program is to provide students with foundational knowledge and skills to enter a technology-enhanced workforce and to keep current with rapid technology changes.

### Program Description

The Associate of Science in Computer Science provides students with foundational knowledge and skills to enter a technology-enhanced workforce and be able to stay current with rapid technology changes. The program will provide opportunities for working as a 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. Demonstrate a solid foundation in the core areas of computer science, as well as knowledge of advanced topics in the field.
2. Evaluate computer-based glitches and provide options to resolve problems.
3. Write codes using appropriate programming language to resolve faults and glitches..

### A. General Education Requirements

COURSE#	COURSE	CREDITS
<b>Please refer to the General Education requirements in this catalog.</b>		
<b>Minimum Total General Education Requirements</b>		<b>19</b>

### B. Technical Requirements

COURSE#	COURSE	CREDITS
CS 101	Introduction to Computer Systems & Information Technology+	3
CS 102	Computer Operations+	3
CS 103	Report Program Generator (RPG)	3
CS 104	Visual Basic Programming+	3
CS 110	Introduction to the Internet	3
CS 112	Introduction to Linux	3
CS 203	Systems Analysis & Design+	3
CS 204	C Programming+	3
CS 205	Network Communications+	4
CS 206	Java I+	3
CS 252	Advanced RPG+	3
<b>TOTAL TECHNICAL REQUIREMENTS</b>		<b>34</b>

### C. Related General Education and Technical Electives Requirements

COURSE#	COURSE	CREDITS
OA211	Business Communication	3
and seven (7) credits from the following list of courses:		
EE211	IT Essentials I	4
EE215	IT Essentials II	3
OA210	Database Management Systems	3
OA220	Spreadsheet Systems	3
CS202	COBOL+	3
CS210A	Configuring Windows System	3

CS292	Computer Science Practicum+	3
<b>Total Advanced Technical Requirements</b>		<b>10</b>
		<b>MINIMUM Total Credits Required</b>
		<b>63</b>

**Associate of Science in CRIMINAL JUSTICE**

**Program Mission**

It is the mission of the Criminal Justice program to prepare, educate, and train students for the Criminal Justice profession. Criminal Justice graduates will be lifelong learners who possess current technical knowledge of the criminal justice system, communication skills to communicate effectively within the criminal justice system, and an understanding of the interrelations of the criminal justice professional and society.

**Program Description**

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 an emphasis in one of four areas of concentration:

- Administration of Criminal Justice
- Law Enforcement Administration
- Forensic Lab Technician
- 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

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
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Please refer to the General Education requirements in this catalog.

*Note: Forensic Lab Tech majors must take SI 130 to fulfill their science requirement. All Criminal Justice and Forensic Lab Tech students must also take PS 140 to fulfill their Social & Behavioral Sciences requirement.*

<b>Minimum Total General Education Requirements</b>	<b>22</b>
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**B. Technical Requirements**

COURSE#	COURSE	CREDITS
CJ 100	Introduction to Criminal Justice	3
CJ 150	Criminal Procedure+	3
CJ 200	Criminal Law+	3
CJ 206	Social Values & The Criminal Justice Process+	3
CJ 292	Criminal Justice Practicum+ (in specified area of concentration)	3

<b>Total Technical Requirements</b>	<b>15</b>
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**C. Area of Concentration Requirements**

*1. Administration of Criminal Justice (CJ)*

COURSE#	COURSE	CREDITS
CJ 101	Juvenile Justice Process+	3
CJ 107	Introduction to Corrections	3
CJ 204	Introduction to Criminology+	3
CJ 209	Concept of Police Operations+	3
	Any related, or Technical course	9
	Any Gen Ed course	3

<b>Total Administration of CJ Requirements</b>	<b>24</b>
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*2. Law Enforcement Administration (LEA)*

COURSE#	COURSE	CREDITS
CJ 205	Police Report Writing+	3
CJ 209	Concept of Police Operations+	3
CJ 225	Criminal Investigation+	3
CJ 250	Police Organizational Theory+	3
	Any related, or Technical course	9
	Any Gen Ed course	3

Total LEA Requirements 24

### 3. Forensic Lab Technician

COURSE#	COURSE	CREDITS
CJ 122	Introduction to Forensic Science+	4
CJ 225	Criminal Investigation+	3
HL 120	Medical Terminology	2
MA 161A	College Algebra & Trigonometry I+	4
MA 161B	College Algebra & Trigonometry II+	4
SI 141	Applied Physics I+	4
SI 150	Introduction to Microbiology+	4
SI 102	General Chemistry with Laboratory+	4

Total Forensic Lab Technician Requirements 29

### 4. Forensic Computer Examiner

COURSE#	COURSE	CREDITS
CJ 122	Introduction to Forensic Science+	4
CJ 225	Criminal Investigation+	3
CJ 260	Forensic Computer Examiner+	4
CS 101	Introduction to Computer Systems & Information Technology+	3
CS 205	Network Communications+	4
CS 210	Windows Professional+	3
CS 215	Windows Server+	3
CS 217	Windows Directory Services	3
EE 211	IT Essentials I+	4

Total Forensic Computer Examiner Requirements 31

<b>TOTAL CREDITS REQUIRED</b>	
Administration of Criminal Justice	61
Law Enforcement Administration	61
Forensic Lab Technician	66
Forensic Computer Examiner	68

## Associate of Science in EARLY CHILDHOOD EDUCATION

### Program Mission

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

### Program Description

Early childhood educators and caregivers 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, thinking, problem solving, 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 Head Start requirements for classroom personnel. 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 requirement 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 Education program, students will be able to:

1. Demonstrate professionalism and ethical conduct within the early childhood educational field.
2. Demonstrate appropriate knowledge and disposition needed to effectively work with young children, including those from culturally and linguistically diverse backgrounds, and students with disabilities.

- Develop and implement developmentally and age-appropriate teaching strategies needed to effectively work with young children in a classroom setting.

#### A. General Education Requirements

COURSE#	COURSE	CREDITS
<b>Please refer to the General Education requirements in this catalog.</b>		
<b>Minimum Total General Education Requirements</b>		<b>19-20</b>

#### B. Technical Requirements

COURSE#	COURSE	CREDITS
CD 110	Early Childhood Education Orientation	3
CD 140	Environments for Young Children	3
CD 180	Language Arts in Early Childhood	3
CD 221	Child Growth & Development	3
ED 231	Introduction to Exceptional Children+	3
CD 240	Cognitive & Creative Development in Early Childhood+	3
CD 260	Social & Emotional Development+	3
CD 292	ECE Practicum+	3
<b>Total Technical Requirements</b>		<b>24</b>

#### C. Related General Education & Technical Requirements

Complete at least 15 credits from the following list of courses or other Education courses approved by the Education Department.

COURSE#	COURSE	CREDITS
ASL 100	American Sign Language I	4
ASL 110	American Sign Language II+	4
ED 220	Human Growth & Development	3
ED 180	Educational Methods	3
	Any CD or ED courses under this category	3
<b>Total Related General Education &amp; Technical Requirements</b>		<b>17</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>60-61</b>

### Associate of Science in EMERGENCY MANAGEMENT

#### Program Mission

It is the mission of the Emergency Management program to provide students with necessary skills and knowledge in mitigation of preparedness, response, and recovery of all hazards of emergency management together with an academic general education to make a well-rounded emergency manager who is prepared to deal with different types of emergencies that affect all communities.

#### Program Description

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 technical 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:

- State the government's role in Emergency Management.
- Describe the function of the Emergency Operations Center and National Incident Management System.
- Evaluate hazards and risks of emergency situations.
- Make decisions, solve problems, and use critical thinking skills vis-a-vis the emergency planning process.



**A. General Education Requirements**

COURSE#	COURSE	CREDITS
<b>Please refer to the General Education requirements in this catalog.</b>		
<b>Minimum Total General Education Requirements</b>		<b>19</b>

**B. Technical Requirements**

COURSE#	COURSE	CREDITS
EMI 100	Emergency Manager	1
EMI 102	Hazardous Materials	1
EMI 104	A Citizen’s Guide to Disaster Assistance	1
EMI 106	Building for the Earthquakes of tomorrow	1
EMI 108	Orientation to Disaster Exercise	1
EMI 110	Exercise Design	1
EMI 112	State Disaster Management	1
EMI 114	Principles of Emergency Management	1
EMI 116	Emergency Planning	1
EMI 118	Leadership & Influence	1
EMI 120	Decision Making & Problem Solving	1
EMI 122	Effective Communication	1
EMI 124	Developing & Managing Volunteers	1
EMI 126	Anticipating Hazardous Weather	1
EMI 128	Emergency Operations Center Role	1
EMI 130	Volunteer Agencies in Emergency Management	1
EMI 132	Disaster Basics	1
EMI 134	Community Hurricane Preparedness	1
EMI 136	Hazardous Material Prevention	1
EMI 138	Multi-hazard Emergency Planning for Schools	1
EMI 140	Introduction to Mitigation	1
EMI 142	Protecting your Home and Small Business from Disaster	1
EMI 144	Introduction to Public Assistance	1
EMI 146	Debris Operation	1
EMI 148	Incident Command System	1
EMI 150	National Incident Management System	1
EMI 152	National Response Plan & Disaster Medical System	1
<b>Total Technical Requirements</b>		<b>27</b>

**C. Related Technical Requirements**

COURSE#	COURSE	CREDITS
PS 140	American Government	3
PY 125	Interpersonal Relations	3
HL 130	First Aid & Safety	1
CJ 102	First Responder	3
SM 225	Leadership	3
EMI 154	Community Emergency Response Team	1
<b>Total Technical Requirements</b>		<b>14</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>60</b>

**Associate of Science in FOOD & BEVERAGE MANAGEMENT**

**Program Description**

The food and Beverage Management Program prepares students for the field of restaurant operations and food/beverage services career. This program provides the foundational knowledge and skills in this field. The Food & Beverage industry has experienced sustained growth within the hospitality industry and the world.

**Program Student Learning Outcomes (SLOs):**

Upon successful completion of the AS in Food & Beverage Management program, students will be able to:

1. Possess the competency and skills in food and beverage operation.
2. Successfully obtain Guam’s Food Service Manager’s Certificate and national food safety and sanitation certificate.
3. Demonstrate appropriate work ethic and demeanor as a professional in the Food & Beverage industry.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
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**Please refer to the General Education requirements in this catalog.**

Minimum Total General Education Requirements	19
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**B. Related General Education & Technical Requirements**

COURSE#	COURSE	CREDITS
HS 150	Welcome to Hospitality	3
HS 152	Customer Service	3
HS 154	Nutrition for Food Service Professionals	3
HS 155	Basic Hotel & Restaurant Accounting	3
JA 110	Beginning Japanese I	4
<b>Total Technical Requirements</b>		<b>16</b>

**C. Technical Requirements**

COURSE#	COURSE	CREDITS
HS 140	Menu Planning	3
HS 160	Hospitality Supervision+	3
HS 203	Foodservice Safety and Sanitation (ServeSafe/HACCP)	3
HS 208	Managing Food & Beverage Service+	4
HS 222	Food & Beverage Cost Control+	3
HS 245	Food Production Principles+	4
HS 292A, B	Food & Beverage Management Practicum+	6
<b>Total Technical Requirements</b>		<b>26</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>61</b>

**Associate of Science in INTERNATIONAL HOTEL MANAGEMENT****Program Description**

The International Hotel Management degree prepares students in the hotel operations departments: Front Office, Housekeeping, Food and Beverage operations and Human Resources. This program focuses on customer service and communications skills necessary to be successful as a Hospitalitarian. 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. Summarize supervisory skills for the hospitality industry.
2. Demonstrate customer service and hotel operations skills.
3. Evaluate the importance of the hospitality industry to the global economy.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
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**Please refer to the General Education requirements in this catalog.**

Minimum Total General Education Requirements	19
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**B. Technical Requirements**

COURSE#	COURSE	CREDITS
HS 150	Welcome to Hospitality	3
HS 152	Customer Service	3
HS 155	Basic Hotel & Restaurant Accounting	3
HS 160	Hospitality Supervision	3
SM 240	Employment & Labor Law	3
JA 110	Beginning Japanese I	4
<b>Total Related General Education &amp; Technical Requirements</b>		<b>19</b>

**C. Related Technical Requirements**

COURSE#	COURSE	CREDITS
HS 208	Managing Service in Food and Beverage Operations	3
HS 211	Managing Front Office Operations	3
HS 215	Managing Housekeeping Operations	3
HS 217	Hotel Security Management	3

HS219	Training & Development in the Hospitality Industry	3
HS254	Hospitality & Travel Marketing	4
HS292A	Hotel Operations and Management Practicum	6
<b>Total Technical Requirements</b>		<b>26</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>64</b>

## Associate of Science in HUMAN SERVICES

### Program Description

The Associate of Science in Human Services (ASHS) program provides a multi-disciplinary, culturally diverse curriculum as the foundation for entry-level career pathway in the human services field. The ASHS 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.

### A. General Education Requirements

COURSE#	COURSE	CREDITS
<b>Please refer to the General Education requirements in this catalog.</b>		
<b>Minimum Total General Education Requirements</b>		<b>20</b>

### B. Related General Education & Technical Requirements

Complete at least 12 credits from the following list of courses or other courses approved by the CJ&SS Department.

COURSE#	COURSE	CREDITS
CJ 100	Introduction to Criminal Justice	3
CJ 104	Dynamics of Substance Abuse	3
VC 101	Introduction to Visual Communications	3
TH 101	Introduction to Theater	3
EN 194	Technical Report Writing+	3
HL 130	First Aid & Safety	3
PY 100	Personal Adjustment	3
PY 125	Interpersonal Relations	3
HS 152	Customer Service	3
HU 120	Pacific Cultures	3
HU 220	Guam Cultures & Legends	3
<b>Total Technical Requirements</b>		<b>12</b>

### C. Technical Requirements

COURSE#	COURSE	CREDITS
ED 220	Human Growth & Development OR	
CD 221	Child Growth & Development	3
PY 120	General Psychology+	3
HM 110	Introduction to Community Service	3
HM 150	Human Development Diversity +	3
HM 180	Human Services Practicum Orientation	3
HM 201	Social Welfare & Development: Global Challenges +	3
HM 205	Foundations of Case Management +	3
HM 225	Substance Abuse Prevention +	3
HM 250	Ethics in Human Services +	3
HM 292	Human Services Practicum +	3
<b>Total Technical Requirements</b>		<b>30</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>62</b>

## Associate of Science in MARKETING

### Program Mission

The mission of the Marketing program is to develop a marketing workforce addressing the emergent needs of a continually changing economic business environment in the Guam community and the Micronesian region.

**Program Description**

The Associate of Science Degree 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 communications will most effectively meet the needs of the marketplace.
2. Design a strategic marketing plan for a new or existing business.
3. Display technical skills required to obtain career-sustaining marketing positions.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
<b>Please refer to the General Education requirements in this catalog.</b>		
<i>Note: Marketing majors must take CS 152 to fulfill their computer requirement.</i>		
<b>Minimum Total General Education Requirements</b>		<b>19</b>

**B. Technical Requirements**

COURSE#	COURSE	CREDITS
MK 123	Principles of Marketing	3
MK 124	Selling+	3
MK 125	Social Media Marketing+	3
MK 205	Entrepreneurship+	3
MK 206	Retailing+	3
MK 208	International Marketing+	3
MK 224	Advertising+	3
<b>Total Technical Requirements</b>		<b>21</b>

**C. Related General Education & Technical Requirements**

COURSE#	COURSE	CREDITS
VC 101	Introduction to Visual Communications	3
VC 102	Design Principles and Elements+	3
VC 125	Digital Graphics: Photoshop®	3
VC 126	Digital Graphics: Illustrator®	3
VC 131	Desktop Publishing+	3
MK 292	Marketing Practicum	3
SM 205	Purchasing	3

In the event practicum cannot be taken, the student, with Department Chair approval, may take 200 level Hospitality and Tourism or Supervision and Management courses in lieu of practicum.

<b>Total Related General Education &amp; Technical Requirements</b>	<b>21</b>
<b>TOTAL CREDITS REQUIRED</b>	<b>61</b>

**Associate of Science in MEDICAL ASSISTING****Program Mission**

The mission of the Medical Assisting program is to prepare students for employment as medical assistants in physician's offices or clinics and to provide students opportunities to further their career in the medical assisting field.

**Program Description**

Medical Assistants assist physicians in private medical offices, clinics and in hospital outpatient clinics with patient care as well as with routine office laboratory and diagnostic tests. It is mandatory for students declared in the associate degree program in medical assisting to be declared in the certificate program. Because of new requirements under the AAMA, only the Certificate Program is eligible for accreditation and only graduates from the Certificate program are eligible to take the Certified Medical Assistant (CMA) certification exam. Medical Assistants who successfully complete the Certification Examination are granted the "Certified Medical Assistant" (CMA) credential. Therefore, all students declared in the AS in Medical Assisting will automatically be declared into the Certificate in Medical Assisting program.

GCC's Medical Assisting curriculum is designed to provide training in administrative and clinical settings. Instruction is given in basic medical office procedures (including appointment scheduling, billing, and insurance), assisting with examinations, surgical

and laboratory procedures, including venipuncture and pharmacology. With the exception of enrollment in MS101 Intro to Medical Assisting, enrollment in any Medical Assisting technical requirement course requires:

- placement into EN110 or successful passing of EN100R/EN100W, and
- health clearance (physical immunization - PPD, Hep B, 1, 2, 3).

*Note:* Only technical required courses that have a grade of “C” or better will be counted towards the Associate degree. Students must maintain a grade point average of 2.0 or better to continue in the program.

**Program Student Learning Outcomes (SLOs):**

Upon successful completion of the AS in Medical Assisting program, students will be able to:

1. Display professionalism, including adherence to ethical and legal responsibilities, in performing administrative and clinical duties.
2. Meet National Standards for Medical Assistants in carrying out administrative duties in the clinic or physician’s office.
3. Enter the health service field as certified medical assistants.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
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**Please refer to the General Education requirements in this catalog.**

*Note: Medical Assisting students must take EN110, MA108 to fulfill their General Education Requirements.*

<b>Minimum Total General Education Requirements</b>	<b>19</b>
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**B. Technical Requirements**

COURSE#	COURSE	CREDITS
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With the exception of enrollment into MS101 Intro to Medical Assisting, enrollment in any Medical Assisting technical requirement course requires:

- Placement into EN110 or successful passing of EN100 R/W, and
- Health clearance (physical and immunizations - PPD, Hep B 1, 2, 3).

MS 101	Introduction to Medical Assisting	3
MS 120	Clinical Medical Assisting I+	2
MS 121	Clinical Medical Assisting II+	2
MS 125	Clinical Office Experience+	1
MS 140	Administrative Medical Assisting+	2
MS 141	Administrative Medical Assisting Laboratory+	2
MS 145	Administrative Medical Assisting Clinical+	1
MS 160	Introduction to Pharmacology+	1
MS 161	Administration of Medications Laboratory+	1
MS 180	Introduction to Clinical Laboratory	2
MS 210	Medical Assisting Critique+	1
MS 220	Medical Assisting Specialties+	3
MS 225	Medical Assisting Specialties Clinical+	1
MS 292	Medical Assisting Practicum+	5

<b>Total Technical Requirements</b>	<b>27</b>
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**C. Related Technical Requirements**

COURSE#	COURSE	CREDITS
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HL 202	Nutrition	3
HL 131	Basic Life Support for Health Care Providers	1
HL 120	Medical Terminology+	2
HL 150	Study of Diseases+	3
HL 252	Pathology for Health Professions+	3
MS 201	Medical Law and Ethics	2

<b>Total Related Technical Requirements</b>	<b>14</b>
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<b>TOTAL CREDITS REQUIRED</b>	<b>60</b>
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**Associate of Science in OFFICE TECHNOLOGY**

**Program Mission**

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.

**Program Description**

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.

#### A. General Education Requirements

COURSE#	COURSE	CREDITS
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**Please refer to the General Education requirements in this catalog.**

*Note: Office Technology students must take PY 125 to fulfill their Social & Behavior Sciences requirement.*

<b>Minimum Total General Education Requirements</b>	<b>19</b>
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#### B. Technical Requirements

COURSE#	COURSE	CREDITS
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OA 101	Keyboarding Applications	3
OA 103	Filing Systems+	3
OA 109	Business Math Using Excel	3
OA 130	Information Processing+	3
OA 210	Database Management Systems+	3
OA 211	Business Communication+	3
OA 220	Spreadsheet Systems	3
OA 230	Advanced Information Processing+	3
OA 250	Office Procedures+	3
SM 108	Introduction to Business	3
SM 208	Personnel Supervision	3

<b>Total Technical Requirements</b>	<b>33</b>
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#### C. Elective Requirements

*Complete nine (9) credits from the following course:*

COURSE#	COURSE	CREDITS
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AC 100	Fundamentals of Bookkeeping and Accounting+	3
CS 110	Introduction to the Internet	3
OA 240	Machine Transcription+	3
OA 292	Office Technology Practicum	3

<b>Total Elective Requirements</b>	<b>9</b>
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<b>TOTAL CREDITS REQUIRED</b>	<b>61</b>
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### Associate of Science in PRE-ARCHITECTURAL DRAFTING

#### Program Description

The A.S. in Pre-Architectural Drafting covers pre-architecture, building materials and properties, technical drafting, basic computer aided design and 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 selected in Guam's Career & Technical Education Five-Year State Plan.

#### 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.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
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**Please refer to the General Education requirements in this catalog.**

*Note: Pre-Architectural Drafting students must take EN 194, MA 161B, and SI 141 as part of their General Education requirements.*

<b>Minimum Total General Education Requirements</b>	<b>23</b>
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**B. Technical Requirements**

COURSE#	COURSE	CREDITS
AE 103	Basic Blueprint Reading	3
AE 121	Technical Engineering Drawing I	3
AE 122	Technical Engineering Drawing II+	3
AE 138	Building Codes, Specifications & Construction Management+	3
AE 150	Computer Aided Design & Drafting (CADD) I+	3
AE 160	Computer Aided Design & Drafting (CADD) II+	4
AE 216	Descriptive Geometry+	3

<b>Total Technical Requirements</b>	<b>22</b>
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**C. Related General Education & Technical Requirements**

COURSE#	COURSE	CREDITS
CE 121	Properties of Materials	3
CE 215	Construction Procedures+	3
CE 221	Strength of Materials+	3
CE 225	Construction Planning & Estimating+	3
CS 101	Introduction to Computer Systems & Information Technology+	3
OR 101	Introduction to Engineering Technology	3
MA 161A	College Algebra & Trigonometry I+	4

<b>Total Related General Education &amp; Technical Requirements</b>	<b>22</b>
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<b>TOTAL CREDITS REQUIRED</b>	<b>67</b>
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**Associate of Science in SUPERVISION AND MANAGEMENT****Program Mission**

The mission of the Supervision & Management program is to develop a management workforce reflecting industry needs as a result of the dynamic economic business environment in the Guam community and beyond.

**Program Description**

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.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
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**Please refer to the General Education requirements in this Catalog**

<b>Minimum Total General Education Requirements</b>	<b>19</b>
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**B. Technical Requirements**

COURSE#	COURSE	CREDITS
AC 211	Accounting Principles I+	4
EC 110	Principles of Economics+	3
SM 108	Introduction to Business	3
SM 208	Personnel Supervision	3
SM 211	E-commerce Management	3
SM 215	International Management	3
SM 220	Management Skill Development	3

SM 225	Leadership	3
SM 230	Business Law Applications	3
SM 240	Employment & Labor Law	3
SM 245	Ethics & Stakeholders Management	3

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**Total Technical Requirements** **34**

### C. Related General Education & Technical Requirements

Complete nine credit hours from the following courses:

COURSE#	COURSE	CREDITS
MK 123	Principles of Marketing	3
MK 205	Entrepreneurship	3
OA 211	Business Communication+	3
OA 250	Office Procedures+	3
PY 125	Interpersonal Relations	3
SM 205	Purchasing	3
SM 292	Supervision & Management Practicum	1-6

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**Total Related General Education & Technical Requirements** **9**

**TOTAL CREDITS REQUIRED** **62**

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## Associate of Science in SURVEYING TECHNOLOGY

### Program Description

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 on 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 Society on 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.

### A. General Education Requirements

COURSE#	COURSE	CREDITS
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**Please refer to the General Education requirements in this catalog.**

*Note: Surveying Technology students must take MA 161A and SI 141 as part of their General Education requirements.*

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**Minimum Total General Education Requirements** **20**

### B. Technical Requirements

COURSE#	COURSE	CREDITS
SU 100	Surveying Drafting	3
SU 101	Surveying Problems I	3
CE 211	Plane Surveying I+	3
CE 222	Plane Surveying II+	3
SU 230	Advanced Surveying+	3
SU 240	Boundary Law I	3
SU 241	Boundary Law II+	3
SU 250	Introduction to Geographic Information Systems	3
SU 251	Advanced Geographic Information Systems+	3
SU 280	Special Topics in Geographic Information Systems+	3
SU 292	Surveying Practicum+	1

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**Total Technical Requirements** **31**

### C. Related General & Technical Requirements



COURSE#	COURSE	CREDITS
AE 121	Technical Engineering Drawing I	3
AE 150	Computer Aided Design & Drafting (CADD) I+	3
CS 101	Introduction to Computer Systems & Information Technology+	3
HL 130	First Aid & Safety	1
MA 161B	College Algebra & Trigonometry II+	4
OA 101	Keyboarding Applications	3
<b>Total Related General &amp; Technical Requirements</b>		<b>17</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>68</b>

## Associate of Science in TOURISM & TRAVEL MANAGEMENT

### Program Description

The tourism and travel industry is one of the largest employment sectors locally and globally. Tourism and travel employers around the world pay more than 1.6 trillion dollars annually in wages and salaries creating over 12 million new jobs. Employment opportunities include hotels, restaurants, tour and travel companies, airlines, tourism attraction facilities, convention and events, ecotourism, cruises, and related services. As an academic partner with the Travel Institute, Tourism and Travel graduates may earn Travel Agency Proficiency (TAP) certification from the Travel Institute and other nationally recognized certification programs.

### Program Student Learning Outcomes (SLOs):

Upon successful completion of the AS in Tourism & Travel Management program, students will be able to:

1. Demonstrate competency in the skills needed to work as a professional in the tourism and travel industry.
2. Demonstrate preparedness to successfully pass one of several local and/or nationally recognized tourism and travel tests.
3. Apply an appropriate work ethic and professional demeanor as it relates to the tourism and travel industry.

### A. General Education Requirements

COURSE#	COURSE	CREDITS
<b>Please refer to the General Education requirements in this catalog.</b>		
<b>Minimum Total General Education Requirements</b>		<b>19</b>

### B. Related General Education & Technical Requirements

COURSE#	COURSE	CREDITS
HS 150	Welcome to Hospitality	3
HS 152	Customer Service	3
HS 160	Hospitality Supervision+	3
HS 254	Hospitality & Travel Marketing+	4
JA 110	Beginning Japanese I	4
OA 101	Keyboarding Applications	3
<b>Total Related General Education &amp; Technical Requirements</b>		<b>20</b>

### C. Technical Requirements

COURSE#	COURSE	CREDITS
HS 153	Destination Geography	3
HS 158	Intro to Meetings, Incentives, Conferences, and Exhibitions (Mice)	3
HS 251A	Ticketing and Travel Documents+	3
HS 251B	Internet Travel	1
HS 257	Principles of Tour Guiding	3
HS 260	The Travel Professional+	3
HS 265	Eco Tourism	3
HS 292	Tourism and Travel Management Practicum+	3
<b>Total Technical Requirement</b>		<b>22</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>61</b>

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## Associate of Science in VISUAL COMMUNICATIONS

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**Program Mission**

It is the program's mission to provide the Visual Communications industry with graduates possessing the necessary attitudes, skills and knowledge to be effective contributors to the advancement of the graphic and digital arts.

**Program Description**

The world has reached a point where the creation, acquisition and dispersal of information have become almost entirely dependent on electronic technology. Whether the delivery method is in print, video or over the web, facts, news and stories can reach a potential audience of millions unrestricted by the traditional boundaries of time, geography or expense. The focus of the Visual Communications program is on the creative elements of technology. Three major areas are addressed: Print, Video, and Interactive Media (web and multimedia). Although each area of study is different in its delivery, they incorporate skills that are common to all. The curriculum, in its purpose and delivery, is geared towards training students to enter the professional industry. A lab fee is required for each VC or CS course unless otherwise indicated in the course descriptions.

**Program Student Learning Outcomes (SLOs):**

Upon successful completion of the AS in Visual Communications program, students will be able to:

1. Enter digital publishing, Internet, web media design and video production industries.
2. Apply the visual elements of line, shape, value, color, texture, typography and space in the creation of visual products.
3. Create materials using desktop publishing applications for print.
4. Plan, record and edit video productions.
5. Produce and edit photographic and scanned images.
6. Work effectively as a team member to achieve creative decisions.
7. Work with customers and clients of visual production companies to develop visual advertising and public information products and programs.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
<b>Please refer to the General Education requirements in this catalog.</b>		
<i>Note: Visual Communication majors must take CS152 as part of their General Education requirements.</i>		
<b>Minimum Total General Education Requirements</b>		<b>19</b>

**B. Technical Requirements**

COURSE#	COURSE	CREDITS
VC 101	Introduction to Visual Communications	3
VC 102	Design Principles and Elements+	3
VC 125	Digital Graphics: Photoshop®	3
VC 126	Digital Graphics: Illustrator®	3
VC 131	Desktop Publishing+	3
VC 141	Web Design+	3
VC 161	Video I	3
VC 172	Imaging Concepts and Elements	3
VC 201	Project Management and Marketing Solutions+	3
VC 292	Visual Communications Practicum+	3
<b>Total Technical Requirements</b>		<b>30</b>

**C. Electives**

Complete 6 credit hours from below.

COURSE#	COURSE	CREDITS
VC 135	InDesign®+	3
VC 145	Macromedia Suite+	3
VC 165	Digital Editing: Final Cut Pro	3
<b>Total Electives Requirements</b>		<b>6</b>

**D. Related General & Technical Requirements**

COURSE#	COURSE	CREDITS
MK 123	Principles of Marketing	3
MK 224	Advertising+	3
<b>Total Related General &amp; Technical Requirements</b>		<b>6</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>61</b>

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## Associate of Arts in CULINARY ARTS

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### Program Mission

The mission of the Culinary Arts program is to introduce students to careers in the field of Culinary Arts and provide them the basic skills and knowledge they will need to achieve success. Students will experience all aspects of the Culinary Arts as they build good business and management skills.

### Program Description

The Culinary Arts program offers an Associate of Arts Degree that supports the skills and competency standards prescribed by the American Culinary Federation Educational Institute (ACFEF). Upon successful completion of the program the student is prepared to take the written and practical examination for the ACFEF Certified Culinarian certification.

### Program Student Learning Outcomes (SLOs):

Upon successful completion of the AA in Culinary Arts program, students will be able to:

1. Demonstrate skills in basic and advanced cookery, fundamentals of bakery and patisserie, international cuisine, and apply principles of food preparation to produce a variety of food products.
2. Develop skills in knife, tool, and equipment handling.
3. Demonstrate skills of a Garde Manger in creating a variety of cold food products including items appropriate for buffet presentation.
4. Apply the basic principles of sanitation and safety and be able to apply them in the food service operations.
5. Practice standards in behavior, grooming and dress expected of an industry professional.
6. Apply the experience involved in service-learning activities to both personal and academic development.

### A. General Education Requirements

COURSE#	COURSE	CREDITS
<b>Please refer to the General Education requirements in this catalog.</b>		
<i>Note: Culinary Arts students must take CUL 145 to fulfill their math requirement.</i>		
<b>Minimum Total General Education Requirements</b>		<b>19</b>

### B. Technical Requirements

COURSE#	COURSE	CREDITS
CUL120	Foodservice Sanitation and Safety	2
CUL140	Culinary Foundation I+	4
CUL160	Culinary Foundation II+	4
CUL180	Garde Manger+	4
CUL200	Basic Baking I: Breads and Baking+	4
CUL220	Basic Baking II: Patisserie+	4
CUL240	Pacific and Asian Cuisine+	4
CUL280	Culinary Capstone+	4
CUL293	Culinary Practicum+ (400 hours total)	3
<b>Total Technical Requirements</b>		<b>33</b>

### C. Related Technical Requirements

COURSE#	COURSE	CREDITS
HFB215	Purchasing and Receiving	2
HS140	Menu Planning+	3
HS150	Welcome to Hospitality	3
HS154	Nutrition for Foodservice Professionals	3
HS155	Basic Hotel and Restaurant Accounting	3
HS160	Hospitality Supervision+	3
HS208	Managing Food & Beverage Service+	3
HS222	Food & Beverage Cost Control+	3
<b>Total Related Technical Requirements</b>		<b>23</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>75</b>

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## Associate of Arts in EDUCATION

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### Program Mission

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

### Program Description

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 Bachelors degree in the field.

Students may choose from two areas of concentration: Bachelor Foundation and/or Pre-Professional. Emphasis is placed on students learning outcomes in a broad range of educational areas. Only technical requirement courses which have a grade of “C” or better will be counted towards the Associate 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. Demonstrate appropriate knowledge and disposition needed to effectively work with students, including those from culturally and linguistically diverse backgrounds, and student with disabilities.
3. Develop and implement developmentally and age-appropriate teaching strategies needed to effectively work with students in a classroom setting.

### A. General Education Requirements

COURSE#	COURSE	CREDITS
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**Please refer to the General Education requirements in this catalog.**

*Note: Education majors must take EN 110 as part of their General Education requirements. Bachelor Foundation majors must also take PY120 to fulfill their Social & Behavior Sciences requirement and ASL 110 to fulfill their Humanities requirement.*

<b>Minimum Total General Education Requirements</b>	<b>19</b>
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### B. Technical Requirements

COURSE#	COURSE	CREDITS
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ASL 100	American Sign Language I	4
ED 150	Introduction to Teaching	3
ED 220	Human Growth & Development	3
ED 231	Introduction to Exceptional Children+	3
ED 292	Education Practicum+	3

<b>Total Technical Requirements</b>	<b>16</b>
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### C. Area of Concentration Requirements

#### 1. Bachelor Foundation

COURSE#	COURSE	CREDITS
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EN 111	Writing for Research+	3
EN 125	Introduction to Speech+	3
EN 210	Introduction to Literature+	3
TH 101	Introduction to Theater	3
HI 121	History of World Civilizations I OR	
HI 122	History of World Civilizations II	3
EC 110	Principles of Economics+	3
HU 120	Pacific Cultures	3
HL 202	Nutrition OR	
PY 100	Personal Adjustment	3
SI 103	Introduction to Marine Biology+ AND	
SI 103L	Introduction to Marine Biology Laboratory+ OR	1
SI 110	Environmental Biology+ AND	
SI 110L	Environmental Biology Laboratory+	
PI 101	Introduction to Philosophy	3

<b>Total Bachelor Foundation Requirements</b>	<b>31</b>
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#### 2. Pre-professional

Complete at least 25 credits from the following list of courses or other Education courses approved by the Education Department.

COURSE#	COURSE	CREDITS
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	Any CD or ED courses not used in the technical requirements	22
OA 101	Keyboarding Applications	3

<b>Total Pre-professional Requirements</b>	<b>25</b>
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### TOTAL CREDITS REQUIRED

Bachelor Foundation	66
Pre-Professional	60

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## Associate of Arts in LIBERAL STUDIES

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**Program Mission**

The Liberal Studies program aims to provide students with the means to engage in critical insight, reasoning, mature judgment, and independent thinking; awakens students to a sense of the importance of values, self-awareness, and responsibility; and prepares students for scholarly excellence.

**Program Description**

The Associate of Arts in Liberal Studies is designed to provide a broad-based interdisciplinary education to prepare students who want to pursue a four-year degree. Courses include core subjects such as English, Math, Science, Social Sciences, the Arts, and languages.

**Program Student Learning Outcomes (SLOs):**

Upon successful completion of the AA in Liberal Studies program, students will be able to:

1. Demonstrate an ability to connect knowledge of human culture and the natural world to a variety of disciplines and perspectives.
2. Demonstrate effective reasoning, problem solving, critical thinking, and creative achievement, and an inclination to life-long inquiry and the pursuit of learning.
3. Identify and articulate the intellectual, ethical, cultural, and social qualities essential for leadership in a changing global community through awareness and respect for cultures diverse in thought, values, and beliefs.

**A. General Education Requirements**

COURSE#	COURSE	CREDITS
<b>Please refer to the General Education requirements in this catalog.</b>		
<i>Note: Liberal Studies students must take EN 110, SI 103 &amp; SI 103L or SI 110 &amp; SI 110L, SO 130 or PY 120, and CS 151 as part of their General Education requirements. For the Humanities and Fine Arts requirement, one of the modern language choices must be taken (ASL 100, JA 110 or CH 110).</i>		
<b>Minimum Total General Education Requirements</b>		<b>20</b>

**B. Technical Requirements**

COURSE#	COURSE	CREDITS
English Skills:		
• EN 111	Writing for Research+	3
Communications Skills:		
EN 125	Introduction to Human Communication and Speech+	3
The Arts:		
• EN 210	Introduction to Literature+	3
• TH 101	Introduction to the Theater	3
Global Studies (3 credits from the following):		
• HI 121	History of World Civilization I	3
• HI 122	History of World Civilization II	
• HM 201	Social Welfare and Development: Global Challenges	
The Individual and Society:		
• EC 110	Principles of Economics+	3
Modern Language (8 credits in the same language, 4 from General Education and 4 from the following list):		
• ASL 110	American Sign Language II+	
• JA 111	Beginning Japanese II+	
• CH 111	Chamorro II+	
Personal Development: (3 credits from the following):		
• HL 202	Nutrition	3
• PY 100	Personal Adjustment	
• Regional Studies: (3 credits from the following):		
• HU 120	Pacific Cultures	3
• HM 110	Introduction to Community Services	
The Sciences (4 credits from the following list):		
• SI 103	Introduction to Marine Biology+ AND	4
• SI 103L	Introduction to Marine Biology Lab+, OR	
• SI 110	Environmental Biology+ AND	
• SI 110L	Environmental Biology Lab+	

Search for Meaning:

• PI 101	Introduction to Philosophy	3
<b>Total Technical Requirements</b>		<b>35</b>
<b>C. Electives</b>		
<b>COURSE#</b>	<b>COURSE</b>	<b>CREDITS</b>
<i>Subject to academic advisor approval</i>		6
<b>Total Elective Requirements</b>		<b>6</b>
<b>TOTAL CREDITS REQUIRED</b>		<b>61</b>

# **Course Descriptions & Student Learning Outcomes (SLOs)**

Note: The course descriptions that follow are alphabetized by course alpha and number (i.e., from AC100 to WW200). They are also grouped by fields of study. **Student Learning Outcomes (SLOs)** at the course level, follow these course descriptions. SLOs at the course level describe what students should be able to perform, apply, or produce in relation to how and what they have learned. In the course SLOs that follow, clear and intentional expectations are laid out, particularly as they define the goals of student learning experiences. In a nutshell, they specify what students should be able to know, do, or value after participating in planned learning activities.

With this catalog, continuous efforts to revisit all curriculum documents so that SLOs become integral components of each and every course at the College have been completed. This effort will continue for all new courses.

After the course descriptions, there is a notation about the frequency of offerings, i.e., Spring only, Fall only, or as needed. Summer courses are also scheduled as needed. However, the College always reserves the right to cancel courses, due to low student enrollment or other justifiable reasons.

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<b>AC</b>	<b>ACCOUNTING</b>
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**AC100 FUNDAMENTALS OF BOOKKEEPING AND ACCOUNTING (3)**

This course covers accounting principles to include interpreting source documents, analyzing business transactions; recording entries in a general journal; posting to the ledger, preparing the worksheet with adjustments; journalizing, adjusting and closing entries; preparing financial statements, and the post-closing trial balance. Formerly AC115. Course offering: As needed. Prerequisite: Must place into MA095 or higher

**Student Learning Outcomes (SLOs):**

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

1. Apply accounting procedures to properly record financial information about a business.
2. Apply generally accepted accounting theory and principles to perform all the steps of the accounting cycle for a service and retail type business.
3. Perform internal control procedures to protect and properly manage cash and other business assets.

**AC110 PAYROLL ACCOUNTING (3)**

This course covers the most current methods and procedures of calculating payroll taxes. It includes the latest developments in payroll tax law, covering information on wages, payroll operations, employment practices, and voluntary employee deductions; differences between the USA and the Territory of Guam payroll accounting systems are examined. Course offering: As needed. Prerequisites: AC100, CS151, MA108

**Student Learning Outcomes (SLOs):**

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

1. Explain why personnel and payroll records are integral to a company to provide the information required under the numerous laws affecting the operations of payroll system.
2. Calculate wages, explore earnings records, and prepare a payroll register.
3. Perform all aspects of payroll operations including payroll tax returns, while processing a three month payroll period for a business using two methods, manual and computerized.

**AC150 FEDERAL INCOME TAX I (3)**

A study of the basic forms and structures of federal taxation, particularly aspects which affect individual taxpayers, to include: components of tax formula, the use of the standard deduction. Personal exemption qualifications, filing systems, tax tables, exclusions from income, various categories of deductions, investment losses and passive activity losses, net operating losses, and tax credits. Course offering: As needed. Prerequisite: Placement into MA095 or higher

**Student Learning Outcomes (SLOs):**

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

1. Discuss what the federal income tax is and distinguish it from other types of federal taxes.
2. Distinguish between the regular income tax and the alternative minimum tax.
3. Apply necessary steps to compute a taxpayer's federal income tax liability and apply tax language and terms appropriately throughout the process of computing a taxpayer's federal income tax return.

**AC210 INTRODUCTION TO FINANCIAL MANAGEMENT (3)**

This course covers the basic fundamentals of financial management. Major topics include financial statement analysis, forecasting, markets, risk and rate of return, time value of money, valuation of stock and bonds, cost of capital, capital structure, dividend policy, and financial planning, and working capital management. Course offering: As needed. Prerequisite: AC211 or concurrently with AC212

**Student Learning Outcomes (SLOs):**

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

1. Interpret and apply financial ratios to financial statements to evaluate future prospects of the business.



2. Compare risk with the rate of return in a single investment and a portfolio investment and to perform valuations of stocks and bonds.
3. Explain the concept of working capital and its components in order to manage cash conversion cycles.

#### **AC211 ACCOUNTING PRINCIPLES I (4)**

This course prepares the student for entry-level accounting jobs, such as accounting clerk and bank teller. Students will interpret and apply accounting principles and concepts to record and report accounting data for sole proprietorship and merchandise business; apply internal control procedures, such as special journals and subsidiary ledgers; apply inventory costing methods; processing account issues for receivables, bank reconciliation and petty cash; calculate depreciation schedules for assets; and record data for intangible assets. Formerly AC101. Course offering: As needed. Prerequisites: Placement into either MA108 or a higher level math class.

##### **Student Learning Outcomes (SLOs):**

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

1. Interpret and apply accounting principles and concepts to record and report business financial data for effective management decision making.
2. Demonstrate the proper procedures to perform all the steps of the accounting cycle for a service and merchandise business.
3. Demonstrate the ability to calculate inventory data using various types of inventory costing methods.

#### **AC212 ACCOUNTING PRINCIPLES II (4)**

Accounting theory and principles are discussed relating to corporations, manufacturing, budgeting and cost analysis. Specific topics include current and contingent liabilities, accounting for corporations, accounting for corporate income taxes, investments in bonds, accounting for bonds payable, the Statement of Cash Flows, Financial Statement analysis, job order and process costing systems. Formerly AC102 and AC103. Course offering: As needed. Prerequisites: AC110, AC211, CS151

##### **Student Learning Outcomes (SLOs):**

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

1. Demonstrate proficiency to prepare corporate financial statements including the statement of cash flows and statement of stockholder's equity.
2. Contrast the accounting systems used by manufacturing businesses: job order and process costing.
3. Explain and illustrate how standards are used in budgeting.

#### **AC225 HOSPITALITY INDUSTRY ACCOUNTING (3)**

This course presents the fundamentals of financial accounting through hospitality industry simulation-problems and experiences using American Hotel and Lodging Association Educational Institute (AHLEI) materials. Accounting topics include procedures for merchandise and supplies inventories, fixed assets and depreciation methods, current liabilities and payroll, internal controls of cash, receivables and payables, which are major elements of financial statements for the hospitality industry are emphasized. A Hospitality Industry Financial Accounting certificate will be provided to those who pass the AHLEI exam with a score of 70% or better. Formerly HS244. Course Offering: As needed. Prerequisite(s): AC 211 and/or concurrently with AC 212

##### **Student Learning Outcomes (SLOs):**

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

1. Implement procedures for merchandise and supplies inventories, fixed assets and depreciation methods, current liabilities and payroll, internal controls of cash, receivables and payables.
2. Perform analysis and interpretation of financial statements of the hospitality industry.
3. Discuss computerized accounting systems prevalent in hospitality businesses that use special journals and subsidiary ledgers

#### **AC233 ACCOUNTING ON THE COMPUTER USING QUICKBOOKS (3)**

Students will apply accumulated accounting knowledge and skills from accounting fields such as payroll, federal tax, inventory, merchandising, accounts receivable, accounts payable, and cash management using an accounting software called QuickBooks. Students will develop extensive skills about the features of QuickBooks. Course offering: As needed. Prerequisites: AC110, AC150, AC212

##### **Student Learning Outcomes (SLOs):**

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

1. Apply accumulated accounting knowledge and skills from accounting fields such as payroll, federal tax, inventory, merchandising, accounts receivable, accounts payable and cash management using accounting software called QuickBooks.
2. Develop extensive skills to use basic features of QuickBooks accounting software.
3. Review accounting knowledge and adapt such knowledge to computer accounting skills.

**AC240 CERTIFIED BOOKKEEPER REVIEW (3)**

A detailed study and review structured to prepare students to pass the national test for Certified Bookkeeper (CB) given by the American Institute of Professional Bookkeepers (AIPB). This course covers specific topics such as adjusting entries, reconciliation and errors, payroll, depreciation, and inventory. Course offering: As needed. Prerequisites: AC211, AC110, AC150

**Student Learning Outcomes (SLOs):**

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

1. Explain mastery-level skills required in bookkeeping.
2. Apply proper procedures in bookkeeping.
3. Discuss the universal Code of Ethics for bookkeepers

**AC250 FEDERAL INCOME TAX II (3)**

This course is the second of two courses on Federal Taxation structure. Emphasis is given to the unique factors involved in taxation of individuals, and other U.S. Federal tax returns such as partnership and corporation. It includes the latest developments in federal tax laws, covering information on property transactions, retirement plans, partnerships/S corporation basis and loss limitations. Course offering: Spring only. Prerequisite: AC150

**Student Learning Outcomes (SLOs):**

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

1. Discuss with basic understanding, the formation and operation of corporations related to corporate taxation.
2. Discuss corporate taxation regulations related to corporate distributions to shareholders.
3. Analyze taxation issues for stock redemptions treated as a sale or exchange or as a dividend.

**AC292 ACCOUNTING PRACTICUM (1-6)**

The practicum program provides an opportunity to qualified associate degree seeking students to receive credit and non-paid work experience related to Accounting. Practicum requires a minimum of 45 to a maximum of 270 work hours. Formerly AC298. Course Offering: As needed. Prerequisite: AC232 or AC233

**Student Learning Outcomes (SLOs):**

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

1. Reinforce and develop the knowledge of accounting theory and accounting principles applied to the tasks of an accounting job.
2. Train with accounting professionals that provided work experience in the accounting process for financial recordkeeping.
3. Apply the practice of professional accounting ethics related to the responsibilities of an accounting job.
4. Demonstrate effective interpersonal skills with co-workers according to the expectations of an accounting supervisor during the duration of a job assignment.
5. Demonstrate organizational skills needed to work within an accounting department.

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<b>AE</b>	<b>ARCHITECTURAL ENGINEERING</b>
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**AE103 BASIC BLUEPRINT READING (3)**

This course introduces students to basic principles of blueprint reading and shop sketching, including a study of drafting principles and concepts and all the related technical information necessary to interpret a drawing. Trade terminology and shop and field practices are defined and applied in operational notes, which appear on drawings. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Identify basic specifications and codes of various trades-related industries.
2. Recognize and sketch basic lines.
3. Apply symbols, notes, and conventions to the creation of drawings and sketches.

**AE121 TECHNICAL ENGINEERING DRAWING I (3)**

A study of the use of drawing instruments and techniques for mechanical, civil and architectural drawings involving freehand sketches, lettering, orthographic views and pictorial drawings. Skill development will focus on the use of drawing instruments to redraw given drawings calling for accurate measurements with detailed instructions on how to do it. Course offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate proper use of drafting instruments to draw existing plans.

2. Accurately measure existing drawings.
3. Describe basic components of a blueprint.

### **AE122 TECHNICAL ENGINEERING DRAWING II (3)**

A study of how to prepare partial working drawings of simple building structures, floor plan, front and rear elevations, left and right elevations, transverse and longitudinal sections, cabinet, closet and bar details, plumbing, electrical, site and plot plans including how to prepare topographic maps. Course offering: As needed. Prerequisite: AE121

#### **Student Learning Outcomes (SLOs):**

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

1. Prepare a partial working drawing.
2. Accurately depict different elevation views.
3. Draw plumbing components found in a typical house plan.

### **AE138 BUILDING CODES, SPECIFICATIONS & CONSTRUCTION MANAGEMENT (3)**

An interpretation and study of local and national building codes and standards, construction documents and office organization. This course will be of value to anyone who plans to enter, or is presently working in the field of construction. Course offering: As needed. Prerequisite: EN100

#### **Student Learning Outcomes (SLOs):**

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

1. Explain local and national building codes and standards.
2. Identify the process for acquiring a building permit.
3. Explain the various agencies' functions in the permitting process.

### **AE150 COMPUTER AIDED DESIGN & DRAFTING (CADD) I (3)**

An introduction to computer aided design and drafting software as a drafting/design tool. This course is designed to introduce students to the use of computers in producing line drawings. Topics include equipment components, terminology, drawing with the computer, storing and retrieving drawings, and printing and plotting. This hands-on course uses the design computer-aided drafting and design software application. Course offering: As needed. Prerequisites: AE121, CS101

#### **Student Learning Outcomes (SLOs):**

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

1. Produce line drawings using computer technology.
2. Demonstrate and explain basic equipment components and terminology used in the Computer Aided Design & Drafting (CADD) career.
3. Demonstrate basic proficiency using design software.

### **AE160 COMPUTER AIDED DESIGN & DRAFTING (CADD) II (4)**

This course builds on the topics covered in AE150 and presents intermediate editing techniques. This course covers the fundamentals of how to utilize Computer Aided Design and Drafting (CADD) to create and manage a set of construction documents for a single building project. Students will gain knowledge and practical experience leading to entry-level jobs by performing many of the duties of an architectural or engineering CADD operator. Course offering: As needed. Prerequisites: AE121, AE150, or consent of instructor

#### **Student Learning Outcomes (SLOs):**

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

1. Utilize a computer workstation to create a construction drawing set consisting of at least six sheets from a design.
2. Compile information about a building from architectural and engineering reference materials and produce an appropriate document that complies with building codes and save it in an electronic medium.
3. Demonstrate intermediate two and three dimensional editing techniques.
4. Demonstrate how to prepare two and three dimensional drawings for architecture, interior design, mechanical and structural engineering, and other design fields.

### **AE170 REVIT ESSENTIALS (3)**

Revit Architecture Essentials course is designed to teach students the Revit functionality as it would be used in the design process. The objective of the training is to enable students to create 3D architectural project models and set up working drawings. Technical training focuses on theory, concepts, and basic tools of BIM (Building Information Modeling) to work with Autodesk Revit Architecture. Course Offering: As needed. Prerequisites: AE150 and AE160

#### **Student Learning Outcomes (SLOs):**

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

1. Identify the purpose of Building Information Management (BIM) and how it is applied in Revit.
2. Demonstrate the Revit Architecture workspace and interface.
3. Create drawings with the basic drawing and editing tools in Revit.

4. Create Levels and Grids as datum elements for models.

### AE216 DESCRIPTIVE GEOMETRY (3)

This course covers the analysis and solution of three-dimensional problems through application of the principles of multiview projection. Topics include spatial relationships typical of engineering problems, auxiliary views, revolutions, curved lines and surfaces, intersections of surfaces and shades and shadows. This course is recommended for pre-engineering students and drafting majors. Course offering: As needed. Prerequisite: MA161B

#### Student Learning Outcomes (SLOs):

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

1. Apply graphical methods to solve three-dimensional space problems.
2. Set up projection planes to satisfy specific requirements.
3. Use computer drafting software such as AutoCAD® to create a three-dimensional object with integration of geometric shapes and save to an electronic medium.

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## ASL

## AMERICAN SIGN LANGUAGE

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### ASL100 AMERICAN SIGN LANGUAGE I (4)

This course provides students with beginning skills in American Sign Language, including fingerspelling the alphabet, signing basic numbers and using basic vocabulary to facilitate communication with the Deaf in ASL. In addition, students will be introduced to deaf culture and the importance of using body and facial expressions to convey information and to develop visual acuity. Formerly IN110. Course Offering: As needed.

#### Student Learning Outcomes (SLOs):

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

1. Increase vocabulary in American Sign Language to include subject-specific terminology and figures of speech such as idioms, metaphors and similes.
2. Develop current local, national and global vocabulary skills.
3. Interact with deaf people in an accepting and sensitive manner.

### ASL110 AMERICAN SIGN LANGUAGE II (4)

This course is a continuation of American Sign Language I. The course objective is to continue to develop basic syntactic knowledge of American Sign Language, vocabulary, fingerspelling and conversational skills. Aspects of the deaf community and culture are also incorporated. Course offering: As needed.

#### Student Learning Outcomes (SLOs):

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

1. Demonstrate basic understanding of American Sign Language (ASL) that includes manually-coded English and finger spelling.
2. Demonstrate expanded vocabulary and conversational range such as talking about other people and activities, giving directions, describing people, and making requests.
3. Use ASL to communicate with individuals who are Deaf or hard of hearing.

### ASL120 AMERICAN SIGN LANGUAGE III (4)

The course provides advanced conversational skills in American Sign Language with an emphasis on expressive and receptive skills development. Students will further their understanding of American Sign Language syntax, vocabulary, and signing skills. Deaf culture will be further explored. Course offering: As needed. Prerequisite: ASL110

#### Student Learning Outcomes (SLOs):

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

1. Demonstrate basic understanding of American Sign Language (ASL) that includes manually coded English and finger spelling.
2. Demonstrate expanded vocabulary and conversational range such as talking about other people and activities, giving directions, describing people, and making requests.
3. Proficiently interact and communicate with the deaf.

### ASL130 AMERICAN SIGN LANGUAGE IV (4)

This is the fourth course in the American Sign Language (ASL) sequence. This course continues to develop advanced competency and fluency in American Sign Language, grammar, and syntax. Cultural features and variations in ASL are also addressed. Course offering: As needed. Prerequisite: ASL120

#### Student Learning Outcomes (SLOs):

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

1. Demonstrate advanced communicative competence and fluency in basic understanding of American Sign Language..
2. Acquire knowledge and understanding of the language and culture of the deaf community.
3. Demonstrate critical thinking and appropriate ethical responses required by the Registry of Deaf Interpreter's Code of Professional Conduct.

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**AST                    AUTOMOTIVE SERVICE TECHNOLOGY**


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**AST100      INTRODUCTION TO AUTOMOTIVE SERVICE (3)**

This course introduces the student to core principles in Automotive Service Technology, providing them with the foundational knowledge necessary for success in all additional Automotive Service Technology upper 100-level courses. Students will become familiar with basic concepts and practices related to automotive service, safety and customer service. Formerly ME150 & ME150B. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate proper shop safety concepts and practices.
2. Identify basic hand tools and shop equipment and demonstrate proper use.
3. Explain how a gasoline engine functions and perform basic automotive measurements and compare results to specifications.
4. Perform basic maintenance checks on the lubrication system and explain the functions of engine seals, gaskets, liquid sealers, and bearings.
5. Identify components in a vehicle's electrical system to include the starting, charging, lighting, ignition, and computer systems

**AST110      ENGINE REPAIR (3)**

This course covers elements of engine repair including diagnoses, adjustments and repair of external engine accessory such as batteries and starting systems, fuel, air induction, ignition, lubrication, cooling, and exhaust systems, and repair of the valve train, cylinder heads, valve train synchronization, engine short blocks and complete engine assemblies. Formerly ME178A & ME178B. Course offering: Spring only. Prerequisite: AST100

**Student Learning Outcomes (SLOs):**

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

1. Explain the basic functioning of the engine mechanical system.
2. Identify and interpret engine mechanical concerns and determine necessary action.
3. Perform basic service and repair procedures on an engine.
4. Inspect cylinder head, water and oil passage condition, and identify wear patterns, determine necessary action.

**AST113      HYBRID ENGINES AND MOTOR/GENERATORS (4)**

This course introduces the student to core principles of hybrid electric vehicle engine and motor/generator propulsion technology providing skillsets necessary for diagnosing and making repairs to hybrid electric vehicles. Prerequisites: AS100, AST160, AST110, AST180A, AST180B, AST120

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate proper safety practices when servicing high-voltage hybrid electric vehicles.
2. Diagnose hybrid engine failures and perform needed repairs.
3. Illustrate operation of permanent magnet and induction electric motors.
4. Describe functionality of electrical inverter and converter components.
5. Troubleshoot faults in the electric propulsion sensing system and perform needed repairs.

**AST120      AUTOMATIC TRANSMISSION AND TRANSAXLE I (3)**

This course covers all on-car diagnosing, adjusting, replacing, and repairing of both domestic and foreign automatic transmissions, as well as the process of rebuilding complete transmissions/transaxles. Formerly ME168A & ME168B. Course offering: As needed. Prerequisite: AST100

**Student Learning Outcomes (SLOs):**

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

1. Perform in-vehicle transmission routine maintenance to include assessing fluid level concerns and identifying corrective action.
2. Remove and reinstall automatic transmission.
3. Perform leak test on transmission assembly and peripheral components.

**AST123    HYBRID ELECTRIC VEHICLE ENERGY MANAGEMENT AND TRANSAXLES (3)**

This course introduces the student to core principles of hybrid electric vehicle energy management and transaxle providing skillsets necessary for diagnosing and making repairs to hybrid electric vehicles. Prerequisites: AST100, AST160, AST110, AST180A, AST180B, AST120, AST113

**Student Learning Outcomes (SLOs):**

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

1. Describe functionality of hybrid electric vehicle energy management system.
2. Illustrate hybrid transaxle construction.
3. Perform drive system fault analysis.

**AST130    MANUAL DRIVE TRAIN AND AXLES (3)**

This course introduces the student to core principles in manual drive train and axle systems, providing them with the foundational knowledge necessary for more advanced study and experiential development of skills in diagnosing and making repairs to manual drive train and axle systems. Formerly ME167. Course Offering: As needed. Prerequisite: AST100

**Student Learning Outcomes (SLOs):**

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

1. Perform general drive train diagnostics and develop an action plan.
2. Diagnose and repair transmission and transaxle to include clutch system.
3. Ascertain cause of failure and perform needed repairs to the drive shaft assembly, constant-velocity joint (CV), universal joint, and front wheel drive (FWD) wheel bearings and hubs.
4. Determine structural integrity of differential drive components and perform preventive maintenance.
5. Inspect four-wheel drive components for proper operation.

**AST133    HYBRID ELECTRIC VEHICLE BATTERIES & BELTED ALTERNATOR STARTER (BAS) SYSTEM (3)**

This course introduces the student to core principles of hybrid electric vehicle batteries and Belted Alternator Starter (BAS) system providing skillsets necessary for diagnosing and making repairs to hybrid electric vehicles. Course Offering: As needed. Prerequisites: AST100, AST160, AST110, AST180A, AST180B, AST120, AST113

**Student Learning Outcomes (SLOs):**

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

1. Illustrate hybrid electric vehicle battery construction.
2. Explain Belted Alternator Starter (BAS) system
3. Troubleshoot battery system faults and perform needed repairs.

**AST140    SUSPENSION AND STEERING (3)**

This course covers wheel alignment and correction, wheels and tires, active and passive suspension systems, steering and steering assist, progressive steering systems, and replacement of worn or damaged parts. Formerly ME166. Course offering: Spring only. Prerequisite: AST100

**Student Learning Outcomes (SLOs):**

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

1. Identify and interpret short and long arm and strut suspension faults and determine necessary action.
2. Perform preventive maintenance procedures on power steering system.
3. Diagnose tire related concerns and determine necessary action.
4. Service and adjust parallelogram, and rack and pinion steering systems.

**AST143    HYBRID ELECTRIC VEHICLE POWER ELECTRONICS AND SUPPORT SYSTEMS (3)**

This course introduces the student to core principles of hybrid electric vehicle power electronics and support systems providing skillsets necessary for diagnosing and making repairs to hybrid electric vehicles. Course Offering: As needed.. Prerequisite: AST100, AST160, AST110, AST180A, AST180B AST120, AST113

**Student Learning Outcomes (SLOs):**

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

1. Identify hybrid support systems power electronics and explain functionality
2. Diagnose hybrid power electronic system faults and perform needed repairs.
3. Perform hybrid support system fault analysis and perform needed repairs.

**AST150 BRAKES (3)**

This course introduces the student to core principles in brake systems, providing them with the foundational knowledge necessary for more advanced study and experiential development of skills in diagnosing and making repairs to automobile brake systems. Formerly ME165. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Perform general brake assessment to determine causes for concern.
2. Inspect and service hydraulic brake system.
3. Diagnose disc and drum brake system faults and perform basic service.
4. Describe functionality of vacuum actuated power-assist units.
5. Service wheel bearings, parking brakes and brake-related electrical components.

**AST160 ELECTRICAL/ELECTRONIC SYSTEMS (3)**

This course covers diagnoses, repair and replacement of components involved in vehicular starting, charging, internal illumination, external illumination, instrumentation, horns, wiper systems, supplemental inflatable restraints (air bags) and accessories. Emphasis is given to interpretation and utilization of electrical diagrams. Formerly ME175. Course offering: Fall only. Prerequisite: AST100

**Student Learning Outcomes (SLOs):**

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

1. Perform general electrical system diagnosis.
2. Service battery and starting system.
3. Diagnose and repair lighting system.
4. Determine cause of inoperative electronic gauges and accessories, determine required action.

**AST170 HEATING AND AIR CONDITIONING (3)**

This course covers diagnoses, performance checks, repair of air conditioning compressors, replacement of heating and air conditioning components, repairs and/or replacement of liquid cooling system components, and servicing of ventilation systems. Formerly ME176. Course offering: Spring only. Prerequisite: AST100

**Student Learning Outcomes (SLOs):**

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

1. Conduct performance check on A/C system and determine concern.
2. Recover and recycle refrigerant and charge A/C system.
3. Service A/C system components.
4. Perform diagnostics on heating, ventilation, and engine cooling system and perform needed repairs.
5. Diagnose and repair A/C and heating related controls.

**AST180A ENGINE PERFORMANCE 1 (3)**

This course introduces the student to core principles in systems related to the performance of an engine providing them with the foundational knowledge necessary for more advanced study and experiential development of skills in diagnosing and making repairs to engine performance control systems. Formerly ME177A. Course Offering: As needed. Prerequisite: AST100

**Student Learning Outcomes (SLOs):**

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

1. Ascertain mechanical integrity of engine.
2. Test ignition system input sensors and replace failed components.
3. Perform engine computer control system diagnostics.
4. Demonstrate required service to fuel, air induction, and exhaust systems.

**AST180B ENGINE PERFORMANCE II (FUELS & EMISSIONS SYSTEMS) (3)**

This second engine performance course involves diagnoses, adjustments, replacement of worn, damaged or inoperative components in the air induction, fuel delivery, electronic engine control and emission control systems. Formerly ME177B. Course offering: Fall only. Prerequisites: AST100, AST180A

**Student Learning Outcomes (SLOs):**

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

1. Perform intermediate level engine diagnostics.
2. Diagnose and repair faults in the fuel, air induction, and exhaust system.
3. Determine fault causes in the emission control system and perform needed repairs.

**AST210 THEORY/PRACTICUM: ENGINE REPAIR (3)**

This theory/practicum course builds on AST110, offering students a more in-depth conceptual understanding of engine repair and

providing them with the opportunity to apply this knowledge in continually developing their automotive skills. Course offering: Fall only. Prerequisites: AST100, AST110

**Student Learning Outcomes (SLOs):**

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

1. Remove and reinstall engine assembly with minimal supervision.
2. Repair problems related to the cylinder head and valve train.
3. Diagnose and repair cylinder block related faults.
4. Service cooling and lubrication system.

**AST220 AUTOMOTIVE TRANSMISSION AND TRANSAXLE II (3)**

This course will present students with comprehensive theoretical and conceptual information in the area of automatic transmission / transaxle systems; students are also given the opportunity to demonstrate their transmission / transaxle diagnosis and repair knowledge and skill through practical, experiential application. Course offering: As needed. Prerequisites: AST120

**Student Learning Outcomes (SLOs):**

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

1. Diagnose hydraulic pressure concerns.
2. Perform in-vehicle transmission repairs.
3. Overhaul transmission.

**AST230 THEORY/PRACTICUM: MANUAL DRIVE TRAIN AND AXLES (2)**

This theory/practicum course builds on AST130, offering students a more in-depth conceptual understanding of manual drive trains and axles, and providing them with the opportunity to apply this knowledge in continually developing their automotive skills. Course offering: Spring only. Prerequisites: AST100, AST130

**Student Learning Outcomes (SLOs):**

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

1. Perform general transmission and transaxle diagnostics with minimal supervision.
2. Replace clutch pack components.
3. Remove, disassemble, repair, and reinstall transmission, transaxle, and differential assemblies.
4. Service and Repair drive shafts, half shafts, and constant velocity joints.

**AST240 THEORY/PRACTICUM: SUSPENSION AND STEERING (2)**

This theory/practicum course builds on AST140, offering students a more in-depth conceptual understanding of suspension and steering, and providing them with the opportunity to apply this knowledge in continually developing their automotive skills. Course offering: Fall only. Prerequisites: AST100, AST140

**Student Learning Outcomes (SLOs):**

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

1. Perform general suspension and steering systems diagnostics.
2. Repair steering & suspension system faults.
3. Adjust wheel alignment angles.
4. Diagnose and repair wheel & tire failures.

**AST250 THEORY/PRACTICUM: BRAKES (2)**

This theory/practicum course builds on AST150, offering students a more in-depth conceptual understanding of brakes, and providing them with the opportunity to apply this knowledge in continually developing their automotive skills. Course offering: Spring only. Prerequisites: AST100, AST150

**Student Learning Outcomes (SLOs):**

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

1. Diagnose general brake system malfunctions.
2. Repair the hydraulic system.
3. Ascertain and remedy drum brake system failures.
4. Diagnose and repair disc brake system failures.
5. Diagnose and repair antilock brake and traction control systems.

**AST260 THEORY/PRACTICUM: ELECTRICAL/ELECTRONIC SYSTEMS (4)**

This theory/practicum course builds on AST160, offering students a more in-depth conceptual understanding of electrical / electronic systems, and providing them with the opportunity to apply this knowledge in continually developing their automotive skills. Course offering: Spring only. Prerequisites: AST100, AST160

**Student Learning Outcomes (SLOs):**

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



1. Perform advance body electrical system diagnostics.
2. Test and service battery.
3. Diagnose and repair faults in the charging and starting system.

**AST270 THEORY/PRACTICUM: HEATING AND AIR CONDITIONING (2)**

This theory/practicum course builds on AST170, offering students a more in-depth conceptual understanding of heating and air conditioning systems, and providing them with the opportunity to apply this knowledge in continually developing their automotive skills. Course offering: Fall only. Prerequisites: AST100, AST170

**Student Learning Outcomes (SLOs):**

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

1. Perform advance diagnostics on air conditioning and heating systems.
2. Replace air conditioning and heating system components with minimal supervision.
3. Diagnose and repair operating and control system.

**AST280 THEORY/PRACTICUM: ENGINE PERFORMANCE (5)**

This theory/practicum course builds on AST180A and AST180B, offering students a more in-depth conceptual understanding of engine performance, and providing them with the opportunity to apply this knowledge in continually developing their automotive skills. Course offering: Spring only. Prerequisites: AST100, AST180A, AST180B

**Student Learning Outcomes (SLOs):**

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

1. Perform advance engine performance diagnostics.
2. Locate faults in the computerized control system with minimal supervision.
3. Diagnose and repair ignition, fuel, air induction, and exhaust related problems with minimal supervision.

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<b>CD</b>	<b>EARLY CHILDHOOD DEVELOPMENT</b>
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**CD110 EARLY CHILDHOOD EDUCATION ORIENTATION (3)**

The course provides an overview of entry-level knowledge and skills, including terminology and aspects, in the early childhood education field. The course also covers careers, employment skills and opportunities, and educational requirements and needs of those entering the early childhood education field. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate basic knowledge of all developmental domains related to childhood.
2. Demonstrate basic knowledge and skills needed to create a developmentally appropriate learning environment for young children.
3. Explore various careers in the early childhood education field and determine related future goals.

**CD140 NUTRITION AND PHYSICAL HEALTH (3)**

This course provides students with strategies in promoting the health, safety and nutrition of young children in the childcare settings. This includes safety and health assessments, taking care of ill children, meal planning, detecting child abuse and neglect, working with families, and planning activities for young children that teach health, safety and nutrition. Course offering: Spring only

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate strategies that promote best practices in nutrition within the early childhood environment.
2. Design age appropriate physical activities for young children from birth to eight years.
3. Create healthy and balanced meal plans for young children to include recommended portion sizes.

**CD180 LANGUAGE ARTS IN EARLY CHILDHOOD (3)**

Students will develop knowledge and skills of language development in young children, including oral and written language. Emphasis is placed on planning and implementation of activities which enhance and develop language and literacy skills. In addition, students will develop resources and materials that are appropriate to teach language arts to young children. Course offering: Fall only

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate knowledge in the language development domains as it relates to young children.
2. Create activities that build literacy skills.
3. Plan and implement a lesson plan for young children which develop and enhance language skills.

**CD221 CHILD GROWTH & DEVELOPMENT (3)**

This course provides students with an overview of the interrelationship between physical, emotional, cognitive, language and social growth in young children from conception through the primary school years. Topics include prenatal care, brain research, and the effects of heredity and environment. The roles of the family, culture, community and society and how they impact development is also explored. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Describe the social, physical, and cognitive development of children birth to age eight.
2. Explain factors that promote a healthy pregnancy and first few years of life.
3. Describe the impact of family, culture, community and society on development.

**CD240 COGNITIVE & CREATIVE DEVELOPMENT IN EARLY CHILDHOOD (3)**

In this course, students will plan and implement developmentally appropriate practices that promote the cognitive and creative domains of development in young children. Topics include science, mathematics, art, imagination, visual and performing arts, and literacy. Course offering: As needed. Prerequisites: CD221 or ED220 (or concurrently).

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate the ability to incorporate creativity in all content areas of a developmentally appropriate early childhood learning environment.
2. Plan, write, and implement creative lessons and activities for young children that focus on math, science, art, imagination, and pre-literacy.
3. Demonstrate knowledge of current practices and methods for teaching mathematics, art, and science.

**CD260 SOCIAL & EMOTIONAL DEVELOPMENT (3)**

This course teaches skills needed to promote social and emotional development in young children and use positive guidance strategies to handle inappropriate behavior. Temperament, parenting styles, and child rearing issues such as feeding, potty training, and tantrums are a few of the topics covered. This course also provides students opportunities to plan and implement activities that promote children's self-concept, emotional, social and pro-social development. Course offering: As needed. Prerequisite: CD110 (or concurrently) or CD221 (or concurrently) or permission.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate knowledge in the domains of social and emotional development in young children.
2. Plan and implement a lesson plan which promotes self-concept, emotional, social and/or pro-social development.
3. Apply skills in using positive guidance in an early childhood setting.

**CD285 CHILDCARE MANAGEMENT (3)**

This course provides students with an overview of local requirements and national standards for starting and managing a profitable day-care business on Guam. Topics covered include financing, marketing, staff supervision, staff training, writing policies, licensing requirements, and other operating procedures. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Identify current laws and regulations controlling the child care industry.
2. Explain information needed in a business plan for the start-up of a child care center.
3. Create a handbook of operating policies and procedures.

**CD292 EARLY CHILDHOOD EDUCATION PRACTICUM (3)**

This course provides students with the opportunity to implement their knowledge and skills while working with young children. A minimum of 135 hours of work is required, which may include observations, meetings with parents and professionals, and professional development activities. Course offering: As needed. Prerequisite: Permission from an advisor or Education department chairperson.

**Student Learning Outcomes (SLOs):**

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

1. Advocate appropriate practices for children, model professionalism, and demonstrate ethical conduct based on guidelines from the National Association for the Education of Young Children (NAEYC).
2. 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 young children from birth to age eight.

<b>CE</b>	<b>CIVIL ENGINEERING TECHNOLOGY</b>
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**CE121     PROPERTIES OF MATERIALS (3)**

This course is a study of the mechanical, thermal, electrical, and chemical properties of metals, alloys, plastics, and other nonmetallic materials used in construction. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. List all the types of materials used in the building construction field.
2. Describe basic properties that differentiate the various types of building material.
3. Identify the correct application for any given material used in the construction industry.

**CE210     STATICS (3)**

Statics is the study of bodies at rest - in a state of balance with their surroundings. Through the applications of the principles of statics, several questions emerge: What load will the column have to support? What is the tension of the bridge cable? What is the mechanical advantage of the block and tackle? Statics is an analytical subject and it makes extensive use of mathematics in all of its forms: Algebra, Geometry, and Trigonometry. Course offering: As needed. Prerequisites: MA161B, SI141

**Student Learning Outcomes (SLOs):**

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

1. Successfully apply Algebra, Geometry, and Trigonometry as needed when solving problems.
2. Identify and describe key concepts of Force Systems, Center of Gravity, Equilibrium, Force Analysis of Structures, Friction, and Movement.
3. Identify and analyze given information and data and employ proper procedures and formulas to solve problems.
4. Solve problems using appropriate technology.

**CE211     PLANE SURVEYING I (3)**

A beginning course in surveying techniques designed to give the student an understanding of the fundamentals of chaining, leveling, and proper use of the transit. Care and adjustment of instruments and office procedure are also considered. Provision is made by appropriate fieldwork for practical application of the techniques learned. Formerly CE241. Course offering: As needed. Prerequisite: MA161B (formerly MA122)

**Student Learning Outcomes (SLOs):**

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

1. Describe the fundamentals of chaining, leveling, and use of transit as it relates to plane surveying.
2. Properly care, adjust, and use equipment in the plane surveying field.
3. Given a set of tasks, demonstrate proper use and application of surveying equipment and tools.

**CE213     HYDRAULICS (3)**

This course is designed to present the basic principles to fluid mechanics and the application of those principles to practical applied problems. Students will develop skills in the solution of problems involving fluid statics, flow of fluids in pipes, open channel flow, flow measurement, and forces developed by fluids in motion. The course will also educate students in water treatment practices and community water systems components. Course offering: As needed. Prerequisites: SI141 & MA161B

**Student Learning Outcomes (SLOs):**

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

1. Identify and describe basic fluid mechanics principles.
2. Analyze water treatment operations and generate solutions to problems.
3. Solve problems using appropriate tools including logic, models and applicable formulas.
4. Apply knowledge by functioning as an aide to a civil engineer or a sanitary engineer in the design of ducts, piping and channels for irrigation systems.

**CE214     STRUCTURAL DESIGN (3)**

This course will acquaint the student with all the facts of concrete and structural steel design. This includes having the student become familiar with various structural members of bridges and buildings and provisions of AISC (American Institute of Steel construction) and ACI (American Concrete Institute) publications in designing steel and concrete structural members. The first part of the course deals with structural steel design; the latter portion deals with concrete structural design. Various structural members are addressed- first as to their functions and second as to types of loading. The publications and specifications of AISC are closely followed to include the use of tables and design aids. Course offering: As needed. Prerequisite: CE221

**Student Learning Outcomes (SLOs)**

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

1. Apply provisions of AISC and ACI publications in designing steel and concrete structural members.

2. Identify and make use of appropriate tables and design aids as required.
3. Apply knowledge by functioning as an aide to an architect or an engineer in the design of structural members.

**CE215 CONSTRUCTION PROCEDURES (3)**

A study of construction organization, building codes, foundations, construction materials, methods and techniques of cast-in-place reinforced concrete, precast and prestressed concrete, steel and masonry construction, wood and plastics, thermal and moisture protection and building equipment. Formerly CE151. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Explain the difference between precast and post stress concrete.
2. Describe the process involving the construction of a building foundation.
3. Chronologically sequence the steps related to the construction process.

**CE221 STRENGTH OF MATERIALS (3)**

A study of the relationship between the stresses, strains, deformations, and loads applied to structural members. Axial, torsional, bending and combined stresses are discussed. Stability and the buckling of columns are introduced. Formerly CE212. Course offering: As needed. Prerequisite: CE210

**Student Learning Outcomes (SLOs):**

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

1. Describe the strengths and limitations of various types of building materials.
2. Discuss the testing process involved in determining stress, strains, deformations, and loads.
3. Explain typical applications for various types of construction materials.

**CE222 PLANE SURVEYING II (3)**

This course is a continuation of Plane Surveying I dealing with modern surveying including construction surveying and surveying for engineering design. The students are introduced to modern surveying technology including Global Positioning Systems (GPS) and Geographic Information Systems (GIS). Reconnaissance and field procedures and methods are discussed and the students will be divided into survey teams and given area assignments to perform survey fieldwork including topographic surveys for contour maps. The students are exposed to the prospects of employment as survey and civil engineering technicians. Course offering: As needed. Prerequisites: MA161A, CE211

**Student Learning Outcomes (SLOs):**

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

1. Successfully apply Mathematics including Algebra, Geometry, and Trigonometry as needed to solve surveying problems.
2. Demonstrate a variety of surveying techniques.
3. Apply appropriate skills using proper surveying instruments given various surveying tasks.
4. Solve surveying problems using technology such as calculators or computers, total stations, global positioning systems, or leveling instruments as appropriate.

**CE224 HIGHWAYS (3)**

This course introduces the different aspects of Traffic and Highway Engineering and the potential employment opportunities in the field. This course provides an overview of the relevance of roadway transportation in our society, introduces basic concepts of Highway Safety, Traffic Engineering, Level of Service, Intersection Design, Signal Timing, Transportation Planning, Forecasting Travel Demand, the Environmental Process in roadway projects, Geometric Design, Roadway Drainage, Roadway Geotechnical Engineering, and Pavement Design. Course offering: As needed. Prerequisites: MA161A, CE211, CE213

**Student Learning Outcomes (SLOs):**

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

1. Describe current state of the art and science of Highway Engineering.
2. Apply the concept of Level of Service in highways and intersections.
3. Solve problems of Signal Timing.
4. Solve problems relating to basic roadway design.
5. Solve problems involving pavement design.

**CE225 CONSTRUCTION PLANNING & ESTIMATING (3)**

This course covers methods of estimating construction costs including excavation, highway, structures, piling and foundations; methods to determine qualities of materials, equipment, labor, and money required for construction projects; characteristics and capabilities of work equipment; methods of obtaining unit cost of in place construction; and field reporting practices and responsibilities of field inspection. Formerly CE252. Course offering: As needed. Prerequisites: AE121, CE215, MA161A

**Student Learning Outcomes (SLOs):**

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

1. Determine costs needed for various construction projects.
2. Estimate the amount of time required to complete a given construction project.
3. Apply critical thinking to determine labor hours versus equipment costs versus material costs.

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<b>CH</b>	<b>CHAMORRO LANGUAGE</b>
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**CH110 CHAMORRO I (4)**

This course provides basic Chamorro language rules, simple conversation skills, and vocabulary for students with little to no knowledge of the language. Students will learn to use Chamorro to initiate basic conversations, communicate about themselves, and negotiate basic exchanges in various social settings. Students will gain knowledge of Chamorro history and culture to better understand the language. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate basic conversation skills in Chamorro
2. Comprehend basic written Chamorro
3. Compose short paragraphs
4. Memorize at least 300 vocabulary words
5. Demonstrate basic awareness of Chamorro language, culture, customs, familial names, and culturally relevant events

**CH111 CHAMORRO II (4)**

This course is a continuation of CH110 Chamorro I. Students will increase their ability to perform a range of language functions in self-expression and social exchanges by reviewing and building upon basic language rules, conversation skills and vocabulary. Students will continue to develop an appreciation for Chamorro language and culture. Course Offering: As needed. Prerequisite: CH110

**Student Learning Outcomes (SLOs):**

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

1. Compose sentences orally and in written form in Chamorro.
2. Apply knowledge and skills learned in CH110 with a focus on increasing basic proficiency in self-expression and social interactions.
3. Express themselves in a range of real-life tasks.

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<b>CHLS</b>	<b>INTELLIGENCE ANALYSIS</b>
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**CHLS102 INTELLIGENCE ANALYSIS AND SECURITY MANAGEMENT (3)**

This course examines intelligence analysis and its indispensable relationship to the security management of terrorist attacks, man-made disasters and natural disasters. It also explores vulnerabilities of our national defense and private sectors, as well as the threats posed to these institutions by terrorists, man-made disasters, and natural disasters. Students will discuss substantive issues regarding intelligence support of homeland security measures implemented by the United States and explore how the intelligence community operates.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate operational knowledge of intelligence gathering and analysis pertinent to homeland security and other threats facing government and private sectors.
2. Outline basic intelligence policies and functions of the United States Government.
3. Articulate the meaning and purpose for the Intelligence Reform & Terrorism Prevention Act of 2004.

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<b>CI</b>	<b>CHINESE LANGUAGE</b>
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**CI110 BEGINNING MANDARIN CHINESE I (4)**

This course is a beginning course in conversational Mandarin Chinese. Students will learn correct pronunciation, basic grammar, and sufficient vocabulary to be able to engage in basic conversation in Mandarin Chinese. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate basic knowledge of grammatical structures and vocabulary.
2. Comprehend simple sentences and answer oral questions appropriately, given contexts.

3. Engage in simple conversations in Mandarin about familiar topics using culturally acceptable expressions.
4. Respond to non-verbal communication by being familiar with the Chinese culture.

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<b>CJ</b>	<b>CRIMINAL JUSTICE</b>
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**CJ100 INTRODUCTION TO CRIMINAL JUSTICE (3)**

This course offers an overview of the criminal justice system from its early historical development to its evolution within the United States. It also identifies the various agencies of justice-law enforcement, courts, corrections, and the juvenile justice system, their functions, expectations and interrelationships. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Describe the history and development of the Criminal Justice System.
2. Identify the role of the Criminal Justice System in contemporary society.
3. Describe the functions of law enforcement, courts and corrections.
4. Describe the functions of probation, parole and the Juvenile Justice System.

**CJ101 JUVENILE JUSTICE PROCESS (3)**

This course is designed to provide students with a fundamental understanding of the history, philosophy, and practical application of the American Juvenile Justice System. Students will examine the juvenile justice responsibilities of police, courts, and juvenile corrections with additional emphasis on current practices of Juvenile Justice agencies in Guam. Course offering: As needed. Prerequisites: CJ100, EN100R, EN100W

**Student Learning Outcomes (SLOs):**

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

1. Describe the history, philosophy, and development of the Juvenile Justice System.
2. Identify and distinguish the various components of the Juvenile Justice System.
3. Apply Title 19 Guam Code Annotated, Chapter 5, The Family Court Act, to hypothetical situations.

**CJ102 FIRST RESPONDER (3)**

The First Responder course shall be at least 48 hours of classroom training. It aims to provide training in emergency medical care for those who are apt to be the first person responding to an accident. When the course is completed, the student will possess the same knowledge of patient care as the EMT, but not the same equipment skills. Can be repeated for credit. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Diagnose emergency situations and provide appropriate emergency treatment.
2. Explain and discuss the role of a First Responder.
3. Demonstrate the First Responder skill set at an acceptable level as required by local regulations.
4. Demonstrate proficiency in BLS and CPR by passing the final skills practical exams and written exam required by the DOT to become a certified First Responder.

**CJ104 DYNAMICS OF SUBSTANCE ABUSE (3)**

This course is designed to introduce students to the problems of substance abuse in our society. Students will examine the history of dangerous drug use, basic pharmacology and classification, the social impact of drug abuse, physical and psychological consequences of drug use and dependence, various treatment modalities, legal implications of illicit drug use, and current law enforcement efforts. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Articulate the medical, social and/or psychological aspects of addiction.
2. Demonstrate understanding of the different schedules under the Controlled Substances Act.
3. Identify and apply the detection, suppression, apprehension and prosecution procedures of substance abuse violations.

**CJ107 INTRODUCTION TO CORRECTIONS (3)**

An introduction and overview of fundamental processes, trends, and practices of juvenile and adult probation, institutional treatment, parole, and contemporary community-based correctional programs, both public and private will be covered in this course. Included is a review of the history and philosophy of corrections, with emphasis on the constitutional rights of offenders. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Explain and analyze the correctional process, the correctional system, and the role of corrections in contemporary

- society.
- 2. Evaluate the history and evolution of the correctional process.
- 3. Identify the various correctional systems.
- 4. Examine the administration and trends in corrections.

#### **CJ122/SI122 INTRODUCTION TO FORENSIC SCIENCE (4)**

This course introduces students to the field of forensic science. Students will be able to identify the various principles, methods and procedures used in the preservation, collection, processing, and investigation of the crime scene as well as identify the various scientific techniques used to evaluate and analyze the evidence to resolve criminal matters. Students will also be familiar with some of the legal and ethical issues in forensic science. Course offering: As needed. Prerequisite: CJ100

##### **Student Learning Outcomes (SLOs):**

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

- 1. Describe the history and development of forensic science.
- 2. Identify the role of forensic science within the criminal justice system.
- 3. Identify the various analytical tools used to evaluate, process, investigate and adjudicate criminal cases.
- 4. Describe the various scientific techniques used to preserve, collect and analyze evidence.
- 5. Identify some of the legal and ethical issues in forensic science.

#### **CJ126 OFFICER SURVIVAL (3)**

This course provides law enforcement academy recruits with the knowledge and skills necessary to perform a variety of police tasks safely and effectively. This course is designed for career public safety officers and recruits. Instructor permission is required. Course offering: As needed

##### **Student Learning Outcomes (SLOs):**

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

- 1. Identify the safety techniques to use when approaching a potentially dangerous or life threatening situation.
- 2. List street survival skills an officer should acquire while on duty.
- 3. Demonstrate the ability to apply officer safety and street survival skills at an acceptable level in mock situations.

#### **CJ126L OFFICER SURVIVAL LABORATORY (1)**

This course provides students with the opportunity to practice and demonstrate “hands on” application of survival skills learned in CJ126. The laboratory may be conducted by interested law enforcement agencies at the conclusion of the Basic Law Enforcement Academy. This course is designed for career public safety officers and recruits. Instructor permission is required. Course offering: As needed. Prerequisite: CJ126

##### **Student Learning Outcomes (SLOs):**

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

- 1. Practice the various officer safety and street survival skills in mock situations.
- 2. Demonstrate proficiency in the use of the various officer safety and street survival skills at acceptable levels.

#### **CJ132 EMERGENCY VEHICLE OPERATOR COURSE (EVOC) (3)**

This course prepares police and fire recruits to safely operate emergency vehicles used by their respective agencies. Enrollment is limited to students registered in the Criminal Justice Academy or Fire Science Academy. Prerequisite: Permission by Criminal Justice Department. Course offering: As needed

##### **Student Learning Outcomes (SLOs):**

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

- 1. Identify safety skills during an emergency response.
- 2. Explain the proper operation of emergency vehicles.
- 3. Identify and properly deal with hazards involved with operating emergency vehicles.
- 4. Review the basics of defensive driving.
- 5. Understand the laws governing emergency vehicle operation.

#### **CJ135 FIREARMS USE/SAFETY/CARE (3)**

This course is designed to teach law enforcement and corrections students’ proper use and care of firearms and chemical weapons. Emphasis is placed on safety, use of deadly force, marksmanship, judgmental shooting, and the care and cleaning of weapons. Prerequisites: Permission of CJ advisor. Firearms Identification Card required to take this course. Course offering: As needed

##### **Student Learning Outcomes (SLOs):**

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

- 1. Understand the physical attributes and mechanics of a firearm.
- 2. Apply knowledge of firearm safety.
- 3. Demonstrate knowledge of firearm related laws.

4. Practice safe use of firearms within a controlled environment.
5. Demonstrate use of firearms at prevailing acceptable and passing levels.

#### **CJ140 DEFENSIVE TACTICS (3)**

Stressing control through verbal persuasion is strongly preferred to physical force. This course is especially designed to control prisoners and maximize protection of the public, corrections officers, and inmates. Physical fitness is emphasized. This course is designed for career public safety officers and recruits. Instructor permission is required. Course offering: As needed

##### **Student Learning Outcomes (SLOs):**

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

1. Perform control and self-defense tactics.
2. Demonstrate understanding of prevention, intervention and resolution techniques.
3. Demonstrate how to apply the use of force and the continuum of force.
4. Explain the legal issues involved in handling persons in custody, detainees, prisoners and inmates.

#### **CJ145 PHYSICAL DEVELOPMENT (3)**

This course is designed to develop a positive attitude toward physical fitness and to understand the relationship between physical fitness, productivity, health, and safety. This course is designed for career public safety officers and recruits. Instructor permission is required. Course offering: As needed

##### **Student Learning Outcomes (SLOs):**

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

1. Develop a positive attitude toward physical fitness.
2. Demonstrate understanding of the relationship between physical fitness, productivity, health, and safety.
3. Participate in physical development exercises.
4. Demonstrate the use of the various physical development exercises.

#### **CJ148 TRAFFIC LAW ENFORCEMENT (3)**

This course provides students with the knowledge and skills necessary in the identification and enforcement of Guam's traffic law enforcement duties. Students will be acquainted with the terminology, facts and concepts of pedestrian, bicycle and motor vehicle violations to include an understanding of Title 16 Guam Code Annotated, the Vehicle Code of Guam. Additionally, students will be able to recognize what immediate steps are required at a traffic related scene necessary to protect life and property, how to give traffic citations, how to deal with DDUI offender cases, how to operate radar and laser devices, and how to conduct traffic direction and accident investigation. Course offering: As needed. Prerequisites: CJ100, CJ150

##### **Student Learning Outcomes (SLOs):**

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

1. Explain the various traffic statutes and offenses.
2. Demonstrate knowledge and application of Title 16, Guam Code Annotated (Vehicle Code) to hypothetical situations.
3. Author a traffic accident report using the local traffic enforcement forms.

#### **CJ150 CRIMINAL PROCEDURE (3)**

This course provides an overview of the criminal justice process, the court system, and the U.S. Constitution with emphasis on the method of case interpretation of the U.S. Supreme Court and the Criminal Procedure Code of Guam. Course offering: As needed. Prerequisites: CJ100, EN100W, EN100R

##### **Student Learning Outcomes (SLOs):**

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

1. Identify the various legal sources that establish the basic rights of individuals accused or convicted of crimes in the United States.
2. Describe the various stages and established procedures of the American Criminal Justice System.
3. Identify landmark US Supreme Court and other appellate court decisions that impact the criminal justice process.
4. Apply and demonstrate the use of the Guam Law and case law to hypothetical situations.

#### **CJ155 SELF DEFENSE (3)**

This course is a study of the basic principle and control techniques of weapons defense. This course is designed for career public safety officers and recruits. Instructor permission is required. Course offering: As needed

##### **Student Learning Outcomes (SLOs):**

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

1. Apply the basic self-defense techniques through practical hands-on training.
2. Demonstrate evasive measures, personal security, and escape tactics.
3. Demonstrate proper use of defense techniques upon weapon attacks and defend against multiple assailants.



**CJ160 MOTORCYCLE TRAINING (3)**

This course is designed to provide police officers and police recruits with the skills and confidence necessary to operate police motorcycles on public streets and highways. Enrollment is limited to persons currently employed by Guam law enforcement agencies. This course is designed for career public safety officers and recruits. Instructor permission is required. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Understand the basic motorcycle operation skills.
2. Demonstrate and differentiate between fundamental riding skills and street riding skills.
3. Determine the proper operation of a motorcycle under normal, special, adverse, hazardous and emergency riding conditions.

**CJ200 CRIMINAL LAW (3)**

This course is designed to introduce students to the history, philosophy, and application of U.S. Federal and Guam criminal laws. It provides students with an understanding of crime classifications, matters affecting criminal responsibility, criminal statutes including those of Guam, and the role of criminal law in contemporary society. Course offering: As needed. Prerequisites: CJ100, EN100R, EN100W

**Student Learning Outcomes (SLOs):**

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

1. Describe the origin and evolution of U.S. Criminal Laws and the U.S. Federal and Guam/State Court Systems and their relationship to each other.
2. Identify the basic principles of Criminal Law.
3. Distinguish the elements of various common law and statutory crimes.
4. Apply Guam's substantive criminal laws under the Guam Code Annotated (GCA) to hypothetical situations.

**CJ204 INTRODUCTION TO CRIMINOLOGY (3)**

This course provides a fundamental understanding of criminal behavior, crime topologies, and the various theories of crime causation. Students will also explore the efforts of society to remedy, correct, and prevent crime and delinquency. Course offering: Fall and Spring. Prerequisites: CJ100, EN100R, EN100W, and SO130 or PY120

**Student Learning Outcomes (SLOs):**

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

1. Describe the role of the criminal justice system in criminology.
2. Relate the history and evolution of criminology.
3. Compare and contrast major theories of crime causation and typologies.

**CJ205 Report Writing For Law Enforcement (3)**

This course is designed to emphasize the key principles and techniques in the development of various types of report writing for law enforcement professionals. Report writing proficiency will focus upon evidence gathering, report organization, sentence and content development. Formerly CJ205 Police Report Writing. Course Offering: As needed. Prerequisite(s): Permission from advisor and/or instructor is required. EN 100R, EN 100W.

**Student Learning Outcomes (SLOs):**

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

1. Organize relevant information to write an effective report.
2. Differentiate amongst the various types of evidence required for different law enforcement report forms.
3. Demonstrate writing techniques for effective report writing.

**CJ206 SOCIAL VALUES & THE CRIMINAL JUSTICE PROCESS (3)**

This course is designed to provide an in-depth exploration consistent with the philosophy that social value and ethics are basic principles of a sound criminal justice process, and the roles of the administration of justice practitioners in relation to the public they serve. Through interaction and study, the student will become aware of the interrelations and role expectations of the human dimension required by practitioners in developing empathy, sensitivity and acceptable behavior. Instruction on the importance of open communication and accountability to those within and without the justice process is explored. Permission from instructor and/or advisor is required. Course offering: As needed. Prerequisite: SO130

**Student Learning Outcomes (SLOs):**

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

1. Explain and analyze community-based philosophy of policing.
2. Demonstrate understanding of the role of police and professionalism
3. Identify the various ethical issues of policing.
4. Identify how political, social, and economic issues relate to law enforcement.

**CJ209 CONCEPT OF POLICE OPERATIONS (3)**

This course provides students with operational knowledge needed to function successfully in a modern police agency. Concepts are particularly useful for first-line supervisors and managers. Topics include effective supervision, communication skills, problem solving, time management, motivation and morale, effective discipline, interpersonal conflict, stress management, productivity issues, and performance appraisals. Course offering: As needed. Prerequisites: CJ100, EN100R, EN100W

**Student Learning Outcomes (SLOs):**

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

1. Explain and evaluate the structure, organization, and management of police or other law enforcement agency.
2. Explain and analyze the various types of police operations and the methods and strategies used to implement policies and other executive decisions.
3. Demonstrate understanding of the interrelations, role, conflict and trends of police and law enforcement in modern society.

**CJ225 CRIMINAL INVESTIGATION (3)**

This course provides students with the knowledge and technical skills necessary to successfully investigate crime scenes, identify suspects, and successfully present evidence in court. Skills learned and practiced include processing crime scenes, preserving and evaluating evidence collected, interviewing witnesses and suspects, case preparation, and presenting evidence in court. Course offering: As needed. Prerequisites: CJ100, CJ205, EN100R, EN100W

**Student Learning Outcomes (SLOs):**

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

1. Apply the various methods used in investigating criminal cases to hypothetical situations.
2. Explain and evaluate the investigation, processing, and preservation of a crime scene.
3. Identify and analyze the various methods used to obtain information.

**CJ250 POLICE ORGANIZATIONAL THEORY (3)**

This course examines and analyzes the traditional concepts, techniques, policies and operating systems in the police component of the criminal justice system. Basic knowledge of the police organizational function, structure, processes, and behavior is emphasized. Theories related to the practice applied to the administration of justice process and the comprehension of administrative phenomena is explored. Course offering: As needed. Prerequisites: CJ100, EN100R, EN100W, Permission from CJ instructor and/or advisor is required.

**Student Learning Outcomes (SLOs):**

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

1. Apply the various management theories and styles.
2. Explain and evaluate the structure and organization of police and other law enforcement agencies.
3. Identify and analyze the concepts of leadership, decision making, accountability, responsibility, and liability.

**CJ260 FORENSIC COMPUTER EXAMINER (4)**

This course is designed to address training requirements for students seeking employment as forensic computer examiners in the public safety field. Specifically, this course is a requirement for the Forensic Computer Examiner concentration in the AS in Criminal Justice program. Course offering: As needed. Prerequisites: CJ122, CJ225

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate knowledge required to successfully pass the Certified Forensic Computer Examiner test.
2. Analyze electronic data including storage and retrieval.
3. Compile computer evidence.
4. Identify how to process the electronic crime scene.

**CJ292 CRIMINAL JUSTICE PRACTICUM (3)**

This course is capstone for the Associate of Science Degree in Criminal Justice and a required course for the Certificate in Criminal Justice. In addition, this course allows students first hand, practical experience in observing and participating in the daily operations of an agency in a criminal justice related field. The principles, theories and methodologies acquired in the Criminal Justice courses will be applied to actual situations. The experience will create an awareness for specific problems encountered in a particular criminal justice related agency to further acquaint the student with terminology, facts and conceptions relating to that agency and to develop within the student an understanding of the importance of that agency's roles in the criminal justice process. Supervised work experience affords students the opportunity to develop skills necessary to succeed in the Criminal Justice field. Course offering: As needed. Prerequisites: CJ 100, CJ 150, CJ 209, and instructor permission required.

**Student Learning Outcomes (SLOs):**

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

1. Integrate classroom knowledge and theories with outside work experience.

2. Develop practical work related skills.
3. Explain the operations of a criminal justice related agency.
4. Practice the daily operations policy of a criminal justice related agency.

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<b>CM</b>	<b>COSMETOLOGY</b>
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**CM101 COSMETOLOGY I (10)**

The primary purpose of this course is for students to acquire basic manipulative skills in shampooing, haircutting, nail care, and skin care with compliance to infection control and all safety operations in order to obtain licensure and competency in entry-level positions required in the field of cosmetology. Work habits and desirable attitudes are necessary to obtain minimum competence needed for entry level positions in the field of cosmetology. Students are to complete a total of 450 hours in class and salon practices under the supervision of a licensed cosmetologist. Dress code required (black sleeved-shirt , black pants, and closed-toed shoes). Formerly CM105 and CM110. Course Offering: Fall semester

**Student Learning Outcomes (SLOs):**

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

1. Perform basic analytical skills to determine the desired look for a client's haircuts, facials, manicures, and pedicures.
2. Deliver effective communication skills, visual poise, and proper sanitation during basic haircuts, facials, and manicure services.
3. Adhere to The Guam Board of Cosmetology's Rules and Regulations while performing services.

**CM102 COSMETOLOGY II (10)**

This lecture/lab course is offered in the second semester of the program. It includes instruction in haircutting, hair coloring, chemical texture services, principles of hair design, hairstyling, and pedicure services. Successful completion of this course will help students reach the goal of obtaining licensure and competency in entry-level positions required in the field of cosmetology. Completion of this course in addition to CM101 also satisfies the Guam Board of Cosmetology eligibility requirement of 350 contact hours for a Manicurist License. Students are to complete a total of 450 clock hours in class and salon practices under the supervision of a licensed cosmetologist. Course Offering: Spring semester. Prerequisite: CM101.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate procedures to perform various haircutting, styling, chemical texture, and hair coloring services to a customer's satisfaction.
2. Model basic nail services in a class and/or shop setting.
3. Apply critical thinking and problem solving skills following the Guam Board of Cosmetology's Rules and Regulations while performing cosmetology services.

**CM104A COSMETOLOGY III (5)**

This course emphasizes skills introduced and practiced in CM101 Cosmetology I and CM102 Cosmetology II, to develop a mastery skill level in a salon/lab environment. This lab opened to the public, is designed to give the students the opportunity to perfect their cosmetology skills. The level of performance rendered, is at minimum needed for an entry-level skilled position in the field of cosmetology (450 clock hours). Formerly CM 104 Course Offering: As needed. Prerequisite: CM102

**Student Learning Outcomes (SLOs):**

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

1. Respond to customers appropriately when performing hair cutting services.
2. Successfully apply the necessary skills and knowledge for hair-color services.
3. Demonstrate the ability to perform chemical texture services.

**CM104B COSMETOLOGY IV (5)**

This course continues to emphasize skills introduced and practiced in CM101 Cosmetology I and CM102 Cosmetology II, to develop a mastery skill level in a salon/lab environment. This lab opened to the public, is designed to give the students the opportunity to perfect their cosmetology skills. The level of performance rendered, is at minimum needed for an entry-level skilled position in the field of cosmetology (450 clock hours). Formerly CM 104 Course Offering: As needed. Prerequisite: CM102 and CM104A.

**Student Learning Outcomes (SLOs):**

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

1. Respond to customers appropriately when performing hair cutting services.
2. Successfully apply the necessary skills and knowledge for hair-color services.

- Demonstrate the ability to perform chemical texture services.

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<b>CS</b>	<b>COMPUTER SCIENCE</b>
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**CS101 INTRODUCTION TO COMPUTER SYSTEMS & INFORMATION TECHNOLOGY (3)**

This course provides students with an overview of computer technology, computer hardware and software, data communications, the Internet, social and ethical impacts on society, and an exploration of career opportunities. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

- Demonstrate knowledge of computer hardware and software concepts.
- Apply computer skills to navigate around a computer, choose the proper application software to produce a desired result and access information on the World Wide Web.
- State the social and ethical implications of computers in business and society.

**CS102 COMPUTER OPERATIONS (3)**

This course features hands-on experience in multiprogramming computer systems with various I/O devices. Operation procedures are given on the data entry stations, workstations, diskette drives, and system printers. Students learn control commands of display and console stations, control command statements, supplied procedures, utility programs, and program products. They are also introduced to the organization of a data processing center and its operations procedures. Course offering: As needed.

**Student Learning Outcomes (SLOs):**

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

- Operate single user and multi-user operating systems.
- Use system utilities at the basic level on AS/400.
- Create a simple menu system using Command Language (CL) program and Screen Design Aid (SDA).

**CS103 Report Program Generator (RPG) (3)**

This course provides the student with the programming concepts and techniques necessary to solve business type problems. Students will learn program logic. They are also taught how to code, compile, test, debug, and execute programs. RPG (Report Program Generator) is the programming language used in this course. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

- Comprehend basic syntax and command structure of RPG.
- Properly use commands to create programs to solve problems.
- Debug programs to find syntax and logical errors.

**CS104 VISUAL BASIC PROGRAMMING (3)**

This course covers the introductory fundamentals of the Visual Basic programming language. Students will learn object oriented and event-driven programming concepts and develop applications using Visual Basic. Permission from instructor and/or from a computer science advisor is required. Course offering: As needed. Prerequisite: CS101, CS103, CS202, MA108.

**Student Learning Outcomes (SLOs):**

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

- Describe basic syntax and command structure of Visual Basic Programming.
- Properly use commands to create programs to solve problems.
- Debug programs to find syntax and logical errors.

**CS110 INTRODUCTION TO THE INTERNET (3)**

This course introduces the student to the basic concepts of the Internet and explores the latest online tools and technologies. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

- Use a variety of Internet tools to connect, communicate, and interact online.
- Evaluate information obtained online for reliability.
- Explain positive and negative social issues when using the Internet.

**CS112 INTRODUCTION TO LINUX (3)**

Introduction to Linux course presents students with an open source alternative to Windows operating system. This course discusses installation, simple administrations, and usage of Linux systems as both workstation and server. Questions about where to find, how to install and configure, and how to use open source software will be covered. Course offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Identify practical differences between Windows and Linux operating systems.
2. Install a Linux workstation and perform a simple configuration.
3. Use Linux system for everyday purposes.

**CS151 WINDOWS APPLICATIONS (3)**

The students will learn fundamental nature of microcomputers: the hardware devices that make up the physical machine, the operating systems, and the major types of application software. Students are exposed to the concepts and applications of word processing, graphics, desktop publishing, spreadsheet, database, and communications software. They are shown the far reaching effects of computers and technology, and the applications that computers have to their own lives. Finally, the course provides students hands-on experience with real world applications using the Windows environment and the application software for Windows: Word Processing, Spreadsheet, Database and Presentation. Formerly CS150. Course offering: Every semester. Prerequisite: OA101 or permission

**Student Learning Outcomes (SLOs):**

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

1. Create, edit, format and print documents using Microsoft Word.
2. Create spreadsheets and charts to solve problems that involve numeric data using Microsoft Excel.
3. Create databases to store, retrieve, analyze and print information using Microsoft Access.
4. Create, edit, and format professional presentations using Microsoft PowerPoint.

**CS152 MACINTOSH APPLICATIONS (3)**

This course provides students with beginning skills of using a Mac computer and becoming familiar with the functions of the OS X operating system. Students will explore the collection of built-in apps for the things they do daily and office productivity apps to make them work more efficiently. Course offering: As needed. Prerequisite: OA101

**Student Learning Outcomes (SLOs):**

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

1. Create, edit, format, and produce documents and presentations.
2. Create, edit, format, and produce worksheets and databases.
3. Integrate two or more software applications.

**CS202 COBOL (3)**

The purpose of the course is to teach computer programming in COBOL (Common Business Oriented Language). A number of practical programs are written. Program problems deal with processing small volume of data using workstation keyboard and large volume of data using the printer and disk/diskette drives. Printer output includes titles, headings, vertical and horizontal spacing, etc. Statements of input/output, data manipulation, arithmetic, conditional, and procedure branching are covered. Arrays and subscripts, tables, subroutines, files, and other COBOL features are also discussed. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Comprehend basic syntax and command structure of COBOL.
2. Properly use commands to create programs to solve problems.
3. Debug programs to find syntax and logical errors.

**CS203 SYSTEMS ANALYSIS & DESIGN (3)**

This course will emphasize systems analysis and stress information flow as the best approaches to understanding business data processing requirements. Computer hardware/software, systems design, and systems management will be described. Organizational aspects will be explained and examples of various systems will be presented. Course offering: Fall only. Prerequisites: CS101 and CS103 or CS104 or CS202.

**Student Learning Outcomes (SLOs):**

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

1. Investigate the initial system request.
2. Analyze various aspects of the system request, and produce system requirement documents.
3. Design the solution to meet the system requirement documents (virtual solution).
4. Develop program codes to meet the system requirement (actual solution).
5. Implement the actual solution into the system and fine tune it to best meet the needs of the users.

**CS204 C++ PROGRAMMING (3)**

The purpose of the course is to teach students how to use the C++ programming language. The C++ language concepts and methods to be covered include program development, algorithms, data types, operators, expressions, input/output and files, program control, pointers, functions and macros, variable storage and memory models, arrays, data structures, unions, graphics,

and BIOS services. Structured program design will be emphasized. It is not recommended to be the students' first programming course. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Use basic syntax and command structure of C++ Language.
2. Properly use commands to create programs to solve problems.
3. Debug programs to find syntax and logical errors.

**CS205 NETWORK COMMUNICATIONS (4)**

Networking has become the foundation of the modern world. The interconnection of computers, individuals, and society as a whole has become interdependent. The students will obtain the basic knowledge on Local Area Networks (LANs), Wide Area Networks (WANs), the Internet and the Cloud. They will be able to design a simple network such as a local area network. They will also learn how to keep up with the changing hardware and software and how to maintain networks and expand them as needed. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate an understanding of how the Internet progresses from how we know it today, and how it will continue to evolve.
2. Describe the Open Systems Interconnection model (OSI) and how it characterizes and standardizes the internal functions of a networking communication system by partitioning it into 7 abstraction layers.
3. Design a basic network, make network connections using various access methods and troubleshoot network problems

**CS206 JAVA I (3)**

Students who take this course need not have a previous programming background. This course introduces problem-solving methods and algorithm development using the high-level programming language Java. Students will learn to design, code, debug, and document programs using modern engineering techniques in a PC or Linux based environment. By creating and executing Java applications that leverage the object-oriented features of the Java language, such as encapsulation, inheritance, and polymorphism, students will increase their understanding of how data, classes, objects and methods interact in an object-oriented environment. Students will also implement error-handling techniques using exception handling. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Identify basic syntax and command structure.
2. Properly use commands to create programs to solve problems.
3. Debug programs to find syntax and logical errors.

**CS210A CONFIGURING WINDOWS SYSTEMS (3)**

This course is intended for IT professionals who are interested in expanding their knowledge base and technical skills about Windows 7 client. In this course, students learn how to install, upgrade, and migrate to Windows 7 client. Students then configure Windows 7 client for network connectivity, security, maintenance, and mobile computing. This course helps students prepare for the Microsoft Certification Exam 70-680: Windows 7 Configuring. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Perform a clean installation of Windows 7, upgrade to Windows 7, and migrate user-related data and settings from an earlier version of Windows.
2. Secure Windows 7 client computers.
3. Optimize and maintain the performance and reliability of a Windows 7 client computer.

**CS252 ADVANCED RPG (3)**

This course provides the students with advanced application techniques in computer programming in the RPG/ILE (Report Language Generator/Integrated Language Environment). The concepts of structured programming and top down design, RPG/ILE advanced statements, and utility programs are taught. The students learn how to apply the above concepts to program planning, program design, coding, presentation, and documentation. Course offering: Spring only. Prerequisites: CS101, CS103

**Student Learning Outcomes (SLOs):**

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

1. Describe basic syntax and command structure.
2. Properly use commands to create programs to solve problems.
3. Debug programs to find syntax and logical errors.
4. Integrate the previously covered material into a larger complex system using RPG/ILE, CL (Command Language), SEU (Source Entry Utility), SDA (Screen Design Aid), and IDDU (Interactive Data Definition Utility).

**CS266      ADVANCED JAVA (3)**

This course builds on Java course CS206 or its equivalent and covers advanced programming topics. Designed for the more experienced Java developer, the students are expected to have a good working knowledge of the Java programming language before taking this course. This course introduces students to advanced features and concepts of the Java programming language. Students will learn how to use inheritance, interfaces, exception handling, file input and output, and generic types, and how to incorporate graphical user interfaces (GUIs) into their programming applications. Students will also learn how to apply object-oriented design and programming principles to their programs. Course Offering: Fall or Spring Prerequisites: CS206

**Student Learning Outcomes (SLOs):**

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

1. Describe and apply advanced Java programming language concepts.
2. Apply advanced object-oriented design techniques and programming skills.
3. Use Java advanced features to create full-featured, easy-to-use Java programs and Java applets.

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<b>CT</b>	<b>CONSTRUCTION TRADES</b>
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**CT100      INTRODUCTION TO CONSTRUCTION TRADES (5)**

This course introduces students to core principles in the construction trades, providing them with the foundational knowledge necessary for study and experiential development of skills in each of GCC's construction trades areas. This course focuses on basic construction safety, construction mathematics, hand tools, power tools, reading of blueprints, basic rigging, communication skills and employability skills. It also focuses on the development of an appropriate attitude as related to professional work, and the acquisition of knowledge and information essential for success in initial pursuit of a career in the construction trades. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Describe basic knowledge and skills needed in various construction trades areas.
2. Identify the proper names of tools and equipment used in the construction technology field.
3. Develop an appropriate work ethic and attitude necessary to succeed in the construction field.

**CT140      INDUSTRIAL SAFETY (3)**

This course develops safe working concepts and habits for the prevention of accidents resulting in personnel injury and damage to building facilities and equipment. Students also learn about requirements of federal and local legislation for personnel and equipment safety. Formerly SP153. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Identify accident prevention practices within the construction trades industry.
2. Demonstrate proficiency in recognizing safety hazards and corrective measures on a job site.
3. List national (international) and local agencies that provide safety standards and be familiar with available resources.

**CT152      FUNDAMENTALS OF PLUMBING (4)**

This course introduces the student to the use, safety, care and maintenance of special tools and equipment for basic cold water supply (pipes, fittings, valves, safety devices, appliances), and drainage systems (sewers, drains, vents, traps, test, and maintenance). Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate understanding of the basic science concepts and core principles related to plumbing and piping.
2. Explain the correct use of tools, supplies, and equipment needed in the plumbing industry.
3. Discuss the various local and global career opportunities for professional plumber/pipe-fitters.
4. Demonstrate basic knowledge of cold water supply and drainage system concepts.
5. Identify and explain the correct use of tools, supplies, and equipment needed in the plumbing field.
6. Discuss industry related safety standards.

**CT152A      PLUMBING LEVEL I (4)**

This course builds on content from CT152, and introduces students to core principles in plumbing, providing them with the foundational knowledge necessary for more advanced study and experiential development of skills in this trade area. This course focuses on the use, care, safe operations and maintenance of hand and power tools; the use, care and safe handling of supplies and materials; the development of an appropriate attitude as related to professional plumbing work, and the acquisition of knowledge and information essential for success in initial pursuit of a career in plumbing. Specific emphasis is placed on cast-iron pipe and fittings, carbon steel pipe and fittings, corrugated stainless steel tubing, fixtures and faucets, drain, waste and vent systems, and water distribution systems. Course offering: As needed. Prerequisites: CT100, (or permission of the instructor)

## CT152

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate the correct use of tools, supplies, and equipment needed in the plumbing field adhering to all industry safety standards.
2. Develop and exhibit professionalism and work ethic as related to the plumbing and pipefitting career.
3. Demonstrate understanding of cast-iron pipe and fittings, carbon steel pipe and fittings, corrugated stainless steel tubing, fixtures and faucets, drain, waste and vent systems, and water distribution systems.

**CT153 INTRODUCTION TO CARPENTRY (3)**

This introductory course is designed to familiarize students with the use, care, safe operations and maintenance of hand and power tools; to develop their skills in the use, care, and safe handling of supplies and materials; and to provide them with occupational information about carpentry. Formerly CT053. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Identify commonly used tools, supplies, and equipment in the carpentry profession.
2. Explain the safe use and care of various carpentry tools, supplies and equipment.
3. Identify common terminology in the carpentry field.
4. Discuss the various local and global career opportunities for professional carpenters.

**CT154A MASONRY LEVEL I (4)**

This course focuses on the skills and academic competencies necessary for safe, professional, as well as effective practice of basic masonry in entry-level masonry-related occupations. Safety, proper use, care and maintenance of masonry tools and equipment will be emphasized. Mastery of selected construction-related competencies will be demonstrated through the completion of projects. Students will be oriented to the process of securing entry-level masonry positions. Course offering: As needed. Prerequisite: CT100 (or permission of the instructor)

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate the knowledge and skills needed to properly construct a concrete structure.
2. Properly complete the laying of blocks for walls and columns.
3. Demonstrate the correct use of tools, supplies, and equipment needed in the construction of a masonry project.

**CT154B MASONRY LEVEL II (4)**

This course builds on content addressed in CT154A, and introduces students to core principles in masonry, providing them with the foundational knowledge necessary for more advanced study and experiential development of skills in Construction Trades. This course focuses on masonry design, layout and project planning, on laying blocks, walls and columns, and on construction procedures. It also reviews students' knowledge of, and ability to safely use supplies, equipment, hand tools, and power tools. Course offering: As needed. Prerequisites: CT100, CT154A

**Student Learning Outcomes (SLOs):**

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

1. Design the layout of a masonry project.
2. Demonstrate understanding of core principles in masonry.
3. Demonstrate the correct use of tools, supplies, and equipment needed in the construction of a masonry project adhering to all industry safety standards.

**CT158 HEAVY EQUIPMENT OPERATION (3)**

This course offers training in the maintenance and operations of selected power construction equipment ranging from air compressors to dozers. Can be repeated for credit. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Identify all heavy equipment components and their functions.
2. Demonstrate how to properly operate any given heavy equipment.
3. Demonstrate how to properly service any given heavy equipment.

**CT165A ELECTRICITY LEVEL I (5)**

This course introduces students to core principles in electricity, providing them with the foundational knowledge necessary for more advanced study and experiential development of skills in Construction Trades. This course focuses on the use, care, safe operations and maintenance of electrical tools and equipment, supplies and materials; the development of an appropriate attitude as related to professional electrical work, and the acquisition of knowledge and information essential for success in initial pursuit of a career as an electrician. Specific emphasis will be placed on students' development of knowledge and skills related to



introductory electrical concepts, safety procedures, hand bending, hand and power tools, fasteners and anchors, electrical mathematics, electrical concepts and theories and electrical test equipment. Course offering: As needed. Prerequisite: CT100

**Student Learning Outcomes (SLOs):**

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

1. Explain skills needed by a licensed electrician.
2. Demonstrate understanding of safe operation and maintenance of electrical tools.
3. Develop an appropriate attitude related to professional electrical work.
4. Discuss the variety of electrical career paths.

**CT165B ELECTRICITY LEVEL II (5)**

This course introduces students to core principles in electricity, providing them with the foundational knowledge necessary for more advanced study and experiential development of skills in Construction Trades. This course focuses on the use, care, safe operations and maintenance of electrical tools and equipment, supplies and materials; the development of an appropriate attitude as related to professional electrical work, and the acquisition of knowledge and information essential for success in initial pursuit of a career as an electrician. Specific emphasis will be placed on students' development of knowledge and skills related to National Electric Code (NEC), raceways, boxes and fittings, conductors, electrical blueprints, and commercial, industrial and residential electrical wiring. Course offering: As needed. Prerequisites: CT100, CT165A

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate appropriate use and care of various hand and power tools used by professional electricians.
2. Develop the knowledge and skills related to National Electric Code (NEC), raceways, boxes and fittings, conductors, and electrical blueprints.
3. Demonstrate knowledge and skills needed in the electrical wiring of commercial, industrial, and residential areas.

**CT165C ELECTRICITY LEVEL III (5)**

This course introduces students to core principles in electricity, providing them with the foundational knowledge necessary for more advanced study and experiential development of skills in Construction Trades. This course focuses on the use, care, safe operations and maintenance of electrical tools and equipment, supplies and materials; the development of an appropriate attitude as related to professional electrical work, and the acquisition of knowledge and information essential for success in initial pursuit of a career as an electrician. Specific emphasis will be placed on students' development of knowledge and skills related to alternating current, motors, grounding, conduit bending, boxes and fittings. Course offering: As needed. Prerequisites: CT100, CT165A, CT165B

**Student Learning Outcomes (SLOs):**

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

1. Acquire entry-level skills that are essential for success in the initial pursuit of a career as an electrician.
2. Demonstrate knowledge and skills related to alternating current, motors, grounding, conduit bending, boxes and fittings.
3. Demonstrate knowledge of basic physics concepts related to electricity and identify common terminology.

**CT165D ELECTRICITY LEVEL IV (5)**

This course introduces students to core principles in electricity, providing them with the foundational knowledge necessary for more advanced study and experiential development of skills in Construction Trades. This course focuses on the use, care, safe operations and maintenance of electrical tools and equipment, supplies and materials; the development of an appropriate attitude as related to professional electrical work, and the acquisition of knowledge and information essential for success in initial pursuit of a career as an electrician. Specific emphasis will be placed on students' development of knowledge and skills related to conductor installations, cable trays, conductor terminations and splices, installation of electrical services, circuit breakers and fuses, contactors and relays, and electric lighting. Course offering: As needed. Prerequisites: CT100, CT165A, CT165B, CT165C

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate use and care of various hand and power tools used by professional electricians adhering to all industry safety standards.
2. Demonstrate the knowledge and skills related to conductor installations, cable trays, conductor terminations and splices, installation of electrical services, circuit breakers and fuses, contactors and relays, and electric lighting.
3. Demonstrate professionalism and an appropriate work ethic needed to succeed as an entry-level electrician.

**CT172 PLUMBING INSTALLATION AND DESIGN (3)**

This course provides the student with the application of methods and theory in installation and design of residential and commercial plumbing systems of cold water supply, hot water supply and drainage systems. Course offering: As needed. Prerequisite: AE103

**Student Learning Outcomes (SLOs):**

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

1. Determine correct elevations required in setting up wastewater lines.
2. Properly install water pipes as detailed by given blueprints.
3. Test all plumbing systems using a pressurized method.

**CT173 ROUGH FRAMING AND EXTERIOR FINISHING (3)**

This course concentrates on basic structure construction, which includes footing and foundation, sill, floor, wall partition, roof framing, and door and window framing. Course offering: As needed. Prerequisites: AE103, CT153

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate the knowledge and skills needed to properly construct a structure.
2. Demonstrate basic skills needed to complete the framing of a given project.
3. Demonstrate the correct use of tools, supplies, and equipment needed in the framing and finishing of a project.

**CT182 UNIFORM PLUMBING CODE (3)**

This course concentrates on achieving familiarity with and understanding of the Uniform Plumbing Code. Students will be expected to use the Uniform Plumbing Code manual as a resource to determine specifications during design, construction and installation of plumbing systems. This course does not require any previous knowledge or skill in plumbing. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate knowledge of laws and ordinances governing plumbing systems.
2. Explain the dynamics of the installation of residential and commercial plumbing systems.
3. Efficiently use the Uniform Plumbing Code manual.

**CT183 FINISHING (3)**

This course is designed to help students know and understand the use, methods, and materials needed in finishing a residential house. The course covers the installation of wall and ceiling panels, hanging windows and doors, construction of cabinets and closets, application of molds and trims, bathroom materials and finishing hardware. Course offering: As needed. Prerequisite: CT153

**Student Learning Outcomes (SLOs):**

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

1. Dial in angles and make accurate cuts with a slide compound saw.
2. Demonstrate skills needed to center windows, cabinets, and doors using wedges and levels.
3. Install a variety of trims as specified in given blueprints.

**CT185A REFRIGERATION AND AIR CONDITIONING LEVEL I (5)**

This course introduces students to core principles in air conditioning and refrigeration, providing them with the foundational knowledge necessary for more advanced study and experiential development of skills in Construction Trades. Specific instructional emphasis is placed on refrigeration and air conditioning safety, blueprint reading, copper and plastic piping, soldering and brazing, ferrous metal piping, basic electricity, and introduction to cooling. This course focuses on the use, care, safe operation and maintenance of equipment; the use, care and safe handling of supplies and materials; the development of an appropriate attitude as related to professional refrigeration and air conditioning work, and the acquisition of knowledge and information essential for success in initial pursuit of a career in the air conditioning and refrigeration trade. Course offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate understanding of the core principles and terminology related to air conditioning and refrigeration.
2. Identify the safe use of equipment, supplies, and materials used in Heating, Ventilation, and Air-Conditioning (HVAC).
3. Explain the various careers associated with the HVAC industry, both locally and globally.

**CT185B REFRIGERATION AND AIR CONDITIONING LEVEL II (5)**

This course introduces students to core principles in air conditioning and refrigeration, providing them with basic knowledge necessary for more advanced study and experiential development of skills in Construction Trades. Specific instructional emphasis is placed on introductory HVAC, trade mathematics, tools, air distribution systems, chimneys, vents and flues, and maintenance skills for the service technician. This course focuses on the use, care, safe operations and maintenance of equipment; the use, care and safe handling of supplies and materials; the development of an appropriate attitude as related to professional refrigeration and air conditioning work, and the acquisition of knowledge and information essential for success in initial pursuit of a career in the air conditioning and refrigeration trade. Course offering: As needed. Prerequisites: CT100, CT185A

**Student Learning Outcomes (SLOs):**

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

1. Explain the basic knowledge and skills necessary for more advanced study in the Heating, Ventilation, and Air-Conditioning (HVAC) industry.
2. Demonstrate basic mathematical skills needed in the HVAC industry.
3. Acquire skills needed for the HVAC service technician.

**CT185C REFRIGERATION AND AIR CONDITIONING LEVEL III (5)**

This course introduces students to core principles in air conditioning and refrigeration, providing them with basic knowledge necessary for more advanced study and experiential development of skills in Construction Trades. Specific instructional emphasis is placed on alternating current, introduction to control circuit troubleshooting, metering devices, and leak detection, evacuation, recovery and charging. This course focuses on the use, care, safe operations and maintenance of equipment; the use, care and safe handling of supplies and materials; the development of an appropriate attitude as related to professional refrigeration and air conditioning work, and the acquisition of knowledge and information essential for success in initial pursuit of a career in the air conditioning and refrigeration trade. Course offering: As needed Prerequisites: CT100, CT185B

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate the proper use, care, and safe operation and maintenance of equipment, supplies and materials used in the Heating, Ventilation, and Air-Conditioning (HVAC) industry.
2. Exhibit professionalism and work ethic deemed necessary to succeed as an entry-level refrigeration and air-conditioning technician.

**CT196A FUNDAMENTALS OF OXYACETYLENE WELDING I (5)**

This course introduces students to core principles in oxyacetylene welding, providing them with the foundational knowledge necessary for more advanced study and experiential development of skills in Construction Trades. This course focuses on the identification, use, care, safe operation, maintenance, assembling and disassembling of welding equipment and tools; the use, care and safe handling of supplies and materials; the development of an appropriate attitude as related to professional work, and the acquisition of knowledge and information essential for success in initial pursuit of a career in the field of welding. Course offering: As needed. Prerequisite: CT100

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate the foundational knowledge necessary for a professional welding career.
2. Discuss the various local and global career opportunities for professional welders.
3. Identify commonly used tools, supplies, and equipment in the welding profession.
4. Explain the safe use and care of various welding tools, supplies and equipment.
5. Identify and explain codes governing welding.

**CT196B FUNDAMENTALS OF OXYACETYLENE WELDING II (5)**

This course builds upon content of CT196A, introducing students to core principles in oxyacetylene welding, providing them with the foundational knowledge necessary for more advanced study and experiential development of skills in Construction Trades. This course reviews students' knowledge and skills as related to careers and occupations using oxyacetylene welding, safety procedures, identification of supplies, equipment and tools, setting up and disassembling equipment and working with the torch flame. The course then focuses in-depth on performing cutting procedures and on portable oxyfuel cutting machine operation. Course offering: As needed. Prerequisites: CT100, CT196A

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate the knowledge and skills required for basic oxyacetylene welding.
2. Demonstrate the correct use of supplies, tools, and equipment adhering to all industry safety standards.
3. Correctly set up, assemble, and disassemble equipment such as a torch flame and oxyfuel cutting machine.

**CT197 NON-FERROUS WELDING LEVEL I (5)**

This course focuses on the skills and academic competencies necessary for safe, professional, and effective practice in non-ferrous welding. This course also introduces and emphasizes basic non-ferrous welding skills, including gas metal arc welding, gas tungsten arc welding, flux cored arc welding, submerged arc welding, and plasma arc cutting. Mastery of competencies is demonstrated through completion of projects. Course offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate skills needed to weld select non-ferrous material using oxyfuel, shielded metal arc welding (SMAW), gas tungsten arc welding (GTAW), and metal to inert gas (MIG) processes.
2. Cut select non-ferrous materials using a plasma cutter.

3. Identify select non-ferrous material and explain its properties.

### **CT197A SHIELDED METAL ARC WELDING I (5)**

This course focuses on the skills and academic competencies necessary for safe, professional and effective practice in basic shielded metal arc welding. Emphasis will be placed on core principles in shielded metal arc welding, including use, care, safe operations and maintenance of welding tools; the use, care and safe handling of supplies and materials; the development of an appropriate attitude as related to professional work, and the acquisition of knowledge and information essential for success in initial pursuit of a career in the field of welding. Course offering: As needed. Prerequisite: CT100

#### **Student Learning Outcomes (SLOs):**

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

1. Demonstrate the knowledge and skills required for basic shielded metal arc welding including selection of metals and electrodes, the making of beads, fillet welds, and groove welds.
2. Demonstrate the professionalism and an appropriate attitude necessary in the welding field.
3. Acquire skills needed for an entry-level position in the welding field.

### **CT197B SHIELDED METAL ARC WELDING II (5)**

This course builds on the content addressed in CT197A, focusing on the skills and academic competencies necessary for safe, professional and effective practice in intermediate shielded metal arc welding. This course concentrates on knowledge and skills necessary for completion of Shielded Metal Arc Welding (SMAW) open V-butt welds in all positions. Emphasis will be placed on core principles in shielded metal arc welding, including use, care, safe operations and maintenance of welding tools; the use, care and safe handling of supplies and materials; the development of an appropriate attitude as related to professional work, and the acquisition of knowledge and information essential for success in initial pursuit of a career in the field of welding. Course offering: As needed. Prerequisite: CT100

#### **Student Learning Outcomes (SLOs):**

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

1. Demonstrate skills needed in intermediate level shielded metal arc welding.
2. Perform shielded metal arc welding (SMAW) open V-butt welds in all positions.
3. Demonstrate the use, care, and proper maintenance of welding tools, equipment, and supplies following industry safety standards.

### **CT292 CONSTRUCTION PRACTICUM (3)**

This course covers the application of field work related to the skills acquired in one of the seven concentration areas: carpentry, electricity, HVAC, masonry, plumbing, reinforcing metal worker, and welder. Students will experience a real work environment under the supervision of an industry qualified manager. Through on-the-job experience, students will gain a greater vision of what it means to be employed in the construction industry. Course offering: As needed. Prerequisite: Must complete all required CT courses under concentration area or with department chair approval.

#### **Student Learning Outcomes (SLOs):**

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

1. Demonstrate proficiency in the operations of equipment and instruments needed for concentration area.
2. Demonstrate professional and ethical conduct as required by specific trade.
3. Apply employment skills in resume writing, job portfolio preparation, networking, and interviewing.
4. Troubleshoot problems within discipline area and make appropriate corrections.

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## **CUL**

## **CULINARY ARTS**

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### **CUL120 FOODSERVICE SAFETY AND SANITATION (2)**

Using the NRA ServSafe training module, this course is designed to develop an understanding of the basic principles of sanitation and safety and to be able to apply them in foodservice operations. Course Offering: As needed

#### **Student Learning Outcomes (SLOs):**

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

1. Identify the factors that affect the growth of food borne bacteria in food.
2. Demonstrate proper hygienic procedures or processes that foodservice employees use to prevent the spread of food borne illness and cross contamination of food.
3. Discuss and demonstrate personal hygiene habits and food handling practices that protects the health of the consumer.

### **CUL140 CULINARY FOUNDATIONS I (4)**

This course is designed to introduce the student to the basic principles of food preparation, including: understanding of food and kitchen safety and sanitation practices, chemistry of foods and cooking processes, food identification, basic culinary terminology and techniques, proper use of kitchen tools and equipment. Food labs and demonstrations play a significant role in the course.

Conforms to ACF Knowledge Area: Food Preparation; Sustainability. Course Offering: As needed. Prerequisites: CUL120

**Student Learning Outcomes (SLOs):**

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

1. Develop knife skills, properly handle culinary tools, and safely operate kitchen equipment.
2. Apply principles of food preparation to produce a variety of food products.
3. Explain the importance of employability and entrepreneurship skills.
4. Demonstrate how to read, follow, and prepare recipes.

**CUL145 CULINARY MATH (3)**

This course provides the student with the understanding of the mathematical concepts required of being a successful professional in the foodservice industry. This course is reserved exclusively for declared Associate of Arts in Culinary Arts students, Cooks Apprentices and Associate of Food & Beverage Management students and meets the General Education Math requirement for the degree. Course Offering: As needed. Prerequisite(s): MA095

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate comprehension of key theories and concepts in culinary mathematics to include conversions of units of measure of volume & weight and calculations of yields for recipes.
2. Perform mathematical calculations relevant to the kitchen and restaurant operation.
3. Calculate food and beverage labor costs and selling price of menu items.
4. Apply critical thinking skills in calculating various kitchen costs.

**CUL160 CULINARY FOUNDATIONS II (4)**

This course is the second part of Culinary Foundations where student are taught the basic principles of food preparation. This course introduces students to the principles European cuisines. Foundations II focuses on applying the various food production techniques introduced in Foundations I through cooking labs. Food labs and demonstrations and evaluation of foods produced play a considerable part in this course. Conforms to ACFEF Knowledge Area: Food Preparation; Sustainability. Course Offering: As needed. Prerequisites: CUL140

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate understanding in the basic principles of European and Mediterranean Cuisine, both contemporary and the traditional methods.
2. To further develop skills in knife, tool and equipment handling.
3. Apply principles of food preparation to produce a variety of food products.
4. Apply the fundamentals of Europe and the Mediterranean of cookery by preparing and presenting foods from the region.
5. Evaluate quality of a variety of prepared foods.

**CUL180 GARDE MANGER (4)**

This course enables the student to prepare a variety of cold entrees such as hors d'oeuvres, pates, terrine, roulades, and canapés. The student will learn preservation techniques including curing, smoking, and aging for meat, seafood, and poultry items. The student will be able to describe a variety of cheese categories and their uses. Course Offering: As needed. Prerequisites: CUL160

**Student Learning Outcomes (SLOs):**

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

1. Define, describe, and evaluate the quality of various appetizers and canapés.
2. Prepare items appropriate for buffet presentation, including decorative pieces.
3. Prepare foods for preservation and prepare preserved foods.
4. Prepare and present a variety of forcemeat products.
5. Discuss how various cheeses are made and their uses.

**CUL200 BASIC BAKING I: BREADS AND BAKING (4)**

This course is a study of the fundamentals of baking including, dough, quick breads and basic items made in a bakery. It focuses on the basic principles behind formulas – ratios, sequence, time and temperature-and how these factors impact all quality – baked products. Students will learn each step in the process of bread making including the science of bread production, the measuring of ingredients, and the proper evaluation of recipes. Techniques on the preparation of breads commonly produced in bakeries will also be introduced. Course Offering: As needed. Prerequisites: CUL 160

**Student Learning Outcomes (SLOs):**

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

1. To apply the fundamentals of baking science to the preparation of a variety of products.
2. To use and care for equipment normally found in the bakeshop or baking area.

3. Demonstrate knowledge and apply the twelve (12) step baking process.
4. Discuss the importance of starters, structure builders, tenderizers, moisteners and driers in bread making.
5. Prepare and evaluate different types of breads using various baking methods.

**CUL220 BAKING II: PATISSERIE (4)**

Building on the basic principles learned in "Baking I: Breads and Baking", this course will emphasize pastry production techniques. This course conforms to ACFEF Knowledge Area: Basic Baking. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. To apply the fundamentals of baking science to the preparation of a variety of products.
2. To use and care for equipment normally found in the bakeshop or baking area.
3. Demonstrate knowledge and skills in production of cakes, puff pastries, creams, and soufflés.
4. Demonstrate knowledge of the fundamentals of Patisserie in food service; emphasis is placed on the preparation and presentation of the different varieties of pastries.
5. Apply proper techniques associated with the demands in a professional pastry production kitchen.

**CUL240 PACIFIC AND ASIAN CUISINE (4)**

This class is offered to introduce culinary students to the myriad of foods from the different cultures and styles of cookery of the Pacific region and Asia. The course introduces iconic cuisines from the various islands and countries most familiar to the island. Course Offering: As needed. Prerequisites: CUL140, CUL180

**Student Learning Outcomes (SLOs):**

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

1. Define, describe, and evaluate the quality of various appetizers and canapés.
2. Prepare items appropriate for buffet presentation, including decorative pieces.
3. Prepare foods for preservation and prepare preserved foods.
4. Prepare and present a variety of forcemeat products.

**CUL280 - CULINARY CAPSTONE (4)**

This class is offered to the culinary students to prepare for an ACFEF Certified Culinarian (CC) certification. A CC is an entry level culinarian within a commercial foodservice operation responsible for preparing and cooking sauces, cold food, fish, soups and stocks, meats, vegetables, eggs and other food items.

Course Offering: As needed. Prerequisites: CUL120, CUL140, CUL160, CUL180, CUL200, CUL220, CUL240

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate a thorough working knowledge of safety and sanitation skills.
2. Evaluate organization skills, organization, work flow, and proper utilization of all ingredients.
3. Demonstrate craftsmanship skills through creativity, classical knife cuts, and proper cooking techniques, utilizing correct methods of preparation, serving, and portion size.
4. Demonstrate finished product skill, serving methods and presentation, portion size and nutritional balance, ingredient compatibility, flavor, taste, texture, and doneness.

**CUL293 CULINARY PRACTICUM (3)**

This course provides students a structured work-base involving practical application and the opportunity to hone their skills and competencies learned through coursework and labs. Practicum students are placed in the food production department of a hotel or restaurant property. Course Offering: As needed. Prerequisites: CUL180, CUL220, CUL240

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate professionalism and positive work ethic through teamwork at the assigned worksite.
2. In a work environment, apply knowledge and skills and competencies and techniques gained from the program coursework and lab experiences.
3. Perform duties as assigned by the supervisor in charge relevant to the competency requirements adhering to all safety regulations.

**EC****ECONOMICS****EC110 PRINCIPLES OF ECONOMICS (3)**

This course is designed to help students understand the economic challenges and opportunities found in the United States mainland and Guam. This introductory course focuses on describing economic events, explaining why they occur, predicting

similar future events, and recommending solutions. Financial responsibilities always impact people's lives and their dependents. Understanding the relationship between financial decisions and outcomes is extremely important for all citizens. Course offering: As needed. Prerequisites: EN100R, EN100W

**Student Learning Outcomes (SLOs):**

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

4. Discuss with understanding the basic principles and theories of economics.
5. Apply economic principles and theories to decisions societies make (Micro).
6. Demonstrate understanding of the relationships between various global markets and the impact those relationships have on the entire world economy (Macro).

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**ED**

**EDUCATION**

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**ED150 INTRODUCTION TO TEACHING (3)**

This course presents a unique and realistic approach to the fundamentals of teaching as a career. Not only are the rewards of teaching established and explored, but also the challenges educators face in the classroom. The course also introduces students to the larger topics of education, including discipline, history, philosophy, learning theories, teaching techniques, assessment, classroom management and diversity. Course offering: Fall/Spring only

**Student Learning Outcomes (SLOs):**

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

1. Develop a philosophy of education that includes self-efficacy.
2. Formulate a comprehensive academic plan to include goals and objectives related to a profession in education.
3. Demonstrate diverse teaching strategies and integration of curricula standards on a chosen subject area.

**ED180 EDUCATIONAL METHODS (3)**

This course provides the knowledge and skills necessary to plan, prepare, and implement educational activities and teaching strategies in a school system. It is designed for individuals interested in pursuing a career in an educational setting. Course content includes communication skills, instructional delivery, planning and preparing activities, record keeping, tracking student progress, and basic health and safety practices. Formerly ED190. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate basic knowledge of educational methods.
2. Plan and implement lesson plans, including the preparation of instructional materials that incorporate different methodologies and strategies.
3. Plan and implement educational games and activities.

**ED220 HUMAN GROWTH & DEVELOPMENT (3)**

This course covers the study of human growth and development from birth to death with a special emphasis on the formative and school years. An overview of the interrelationship between physical, emotional, intellectual, and social growth will be presented. The role of the family, culture, community and society and the impact on development is also explored. Course offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Describe the social, physical, and cognitive development of school-age learners.
2. Explain the social, physical, and cognitive development of adolescent and young adult learners.
3. Illustrate the impact of family, culture, community and society on development.

**ED231 INTRODUCTION TO EXCEPTIONAL CHILDREN (3)**

This course provides students with an introduction to exceptionalities, including gifted children and children with disabilities. An overview of all aspects of exceptionality including etiology, legal aspects, observations, and service delivery will be provided. Formerly CD231. Course offering: Spring only. Prerequisites: CD221 or ED220 or permission

**Student Learning Outcomes (SLOs):**

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

1. Describe ways to modify curriculum and provide accommodations for students with disabilities.
2. Demonstrate an understanding and respect for families who have children with disabilities, and develop strategies to empower families.
3. Demonstrate an understanding of the process of referral, screening, and assessment, including knowledge of the roles and responsibilities of primary members.

**ED270 BEHAVIOR MANAGEMENT (3)**

This course provides students with basic knowledge and skills in the area of behavior management including specific techniques which promote and encourage positive behavior while working with children in a variety of settings and situations. Course offering: Fall & Spring only

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate knowledge and skills in the area of behavior management.
2. Demonstrate teaching strategies to promote and encourage positive classroom behaviors.
3. Develop various modification plans given different scenarios.

**ED281 BILINGUAL/BICULTURAL EDUCATION (3)**

This course deals with all aspects of bilingualism and biculturalism. It also prepares students to work with children and families who speak languages other than English and/or who come from different cultural backgrounds. Students will gain knowledge on existing program models for multicultural education and develop awareness and skills in working with young children and their families. Emphasis will be placed in serving children and families from cultural groups found on Guam. Formerly CD281. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate ways of creating a multicultural environment.
2. Demonstrate an understanding of involving parents and families in creating and maintaining a multicultural classroom.
3. Demonstrate the ability to use multicultural learning materials and techniques with students in the classroom.

**ED292 EDUCATION PRACTICUM (3)**

This course provides students with the opportunity to demonstrate professional behaviors and implement their knowledge and skills while working with students in a variety of school settings under the supervision of a credentialed educator. A minimum of 135 hours of work is required, which may include observations, meetings with parents and professionals, and professional development activities. Course offering: As needed. Prerequisite: Permission from advisor or Education Department Chairperson.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate appropriate and ethical practices for students and model professionalism.
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 Kindergarten to twelfth grade.

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**EE ELECTRONICS**


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**EE103 DIRECT CURRENT CIRCUITS (4)**

This beginning course in electricity provides a thorough, comprehensive, and practical coverage of direct current circuit's concept and application. It covers electrical safety, scientific notation, electricity, resistors, ohm's law, series circuits, parallel circuits, series-parallel circuits, conductors and insulators, analog and digital multi-meter, batteries, magnetism, and electromagnetic induction. Formerly EE103A & EE103B. Course offering: Fall and Spring.

**Student Learning Outcomes (SLOs):**

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

1. Follow national, state, and local industry established electrical safety.
2. Explain and illustrate the elements and properties of electrical circuits.
3. Design, analyze, and calculate electrical quantities of series, parallel, and series-parallel circuits.

**EE104 ALTERNATING CURRENT CIRCUITS (4)**

This second course in electricity provides a thorough, comprehensive, and practical coverage of alternating current circuit's concept and application. It includes basic of trigonometry, alternating current and voltage, capacitance, capacitive reactance, capacitive circuits, inductance, inductive reactance, inductive circuits, RC and RL time constant, alternating current circuits, resonance, and filters. Formerly EE104A and EE104B. Course offering: Fall and Spring. Prerequisites: EE103

**Student Learning Outcomes (SLOs):**

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

1. Follow national, state, and local industry established electrical safety procedures.
2. Illustrate and describe AC voltage and the characteristics of AC voltage source.
3. Design, experiment, and troubleshoot alternating current circuits.



**EE107 INTRODUCTION TO INSTRUMENTATION (3)**

This is an introductory course in instrumentation that covers typical metered electronic measuring devices used in a wide range of technical and scientific fields. The student will receive a thorough grounding in meter theory, design, and application. Prerequisite: EE112

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate and explain the purpose and use of voltmeters, ammeters, and ohmmeters in measuring voltages, currents and resistances.
2. Illustrate and calculate the meter shunt, resistance multiplier, and the current limiting resistances of a voltmeter, ammeter and ohmmeter.
3. Explain and illustrate the advantages of digital meters over an analog type of meter.
4. List four integrating techniques as applied to digital meters and explain the operation of each.
5. Identify the various oscilloscope controls and illustrate how they are being used to measure average value, RMS or effective value, peak value, peak to peak value, frequency, period, pulse time, pulse repetition frequency, and phase shift of an AC circuit.

**EE112 ELECTRONIC DEVICES (4)**

This is a preparatory course covering the fundamentals of semiconductor devices as applied to electronic circuits. Through lecture and lab work, students will become familiar with basic and advanced semiconductor devices and electronic circuits with an emphasis on electronic troubleshooting. Formerly EE105 & EE106. Course offering: As needed. Prerequisite: EE104

**Student Learning Outcomes (SLOs):**

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

1. Design a power supply circuit.
2. Identify each part of a power supply system.
3. Calculate the voltage gain for a transistor amplifier circuit.

**EE116 DIGITAL TECHNOLOGY (4)**

This course provides an introduction to digital techniques, semiconductor devices for digital integrated circuits, Boolean Algebra, flip-flop registers, sequential logic circuits, counters, clocks, shift registers, combination logic circuits, digital design and applications. Course offering: As needed. Prerequisites: EE104, EE112

**Student Learning Outcomes (SLOs):**

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

1. Design a simple counter circuit.
2. Simplify logic circuits using k-map.
3. Identify different types of logic circuits.

**EE211 IT ESSENTIALS I (4)**

IT Essentials I (ITE) emphasizes practical knowledge and experience to help students develop fundamental computer and career skills. ITE helps students prepare for entry-level career opportunities in IT and for the CompTIA A+ certification exam. The course also provides a learning pathway to Cisco CCNA Routing and Switching, Linux Essentials, and Introduction to the Internet of Everything (IoE). Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

- 1) Describe the internal components of a computer.
- 2) Assemble a computer system meeting all required standards.
- 3) Install and understand operating systems on computers and mobile devices.

**EE215 IT ESSENTIALS II (3)**

IT Essentials II helps students prepare for the CompTIA A+ Practical Application exam, which builds on the CompTIA A+ Essentials knowledge and skills, with more of a hands-on orientation and scenarios in which troubleshooting and tools must be applied to resolve problems. Course offering: As needed. Prerequisite: EE211

**Student Learning Outcomes (SLOs):**

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

1. Upgrade laptop components based on customer needs.
2. Perform preventive maintenance and troubleshooting on components of a printer/scanner.
3. Install a network; upgrade components based on customer needs and perform preventive maintenance and advanced trouble shooting.

**EE242 PRINCIPLES OF VOICE AND DATA CABLING (2)**

This course is designed for students interested in the physical aspects of voice and data network cabling and installation. This course stresses documentation, design, installation, laboratory safety, as well as working effectively in group environments. Students will become familiar with cabling issues related to data and voice connectivity, media and transmission practices, and cabling customer support. This course provides an overview of cabling and networking industry standards as well as emerging cabling technologies. Course offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Design basic network infrastructure systems.
2. Install, terminate, and test network cabling systems.
3. Define standards and codes pertaining to the IT field.
4. Pass the National Certification Exam (Data Cabling Installer Certification), sponsored by Electronics Technicians Association (ETA).

**EE243 FIBER OPTICS INSTALLATION (3)**

This course is designed for personnel who work with fiber optic cables or individuals who want a working knowledge of fiber optics. Students in this course will learn how to splice, terminate, and test fiber optics cables/systems. Course offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Install, terminate, and splice fiber optic cables.
2. Troubleshoot and repair fiber optic cables.
3. Use test equipment for troubleshooting (light source & power meter, optical time domain, reflectometer, & visible light source).

**EE265 COMPUTER NETWORKING I (4)**

This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Define and describe the importance of addressing and naming schemes at various layers of data networks in IPv4 and IPv6 environments
2. Design, calculate, and apply subnet masks and addresses to fulfill given requirements in IPv4 and IPv6 networks
3. Build a simple Ethernet network using routers and switches

**EE266 COMPUTER NETWORKING II (4)**

This course describes the architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPv2, single-area and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks. Course Offering: As needed. Prerequisite: EE265

**Student Learning Outcomes (SLOs):**

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

1. Define and describe basic switching concepts and the operation of Cisco switches.
2. Define and describe the purpose, nature, and operations of a router, routing tables, and the route lookup process.
3. Configure and troubleshoot an Open Shortest Path First (OSPF) network.

**EE267 COMPUTER NETWORKING III (4)**

This course describes the architecture, components, and operations of routers and switches in larger and more complex networks. Students learn how to configure routers and switches for advanced functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with OSPF, EIGRP, and STP in both IPv4 and IPv6 networks. Students will also develop the knowledge and skills needed to implement a WLAN in a small-to-medium network. Course offering: As needed. Prerequisite: EE266

**Student Learning Outcomes (SLOs):**

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

1. Understand, configure and troubleshoot enhanced switching technologies such as VLANs, Rapid Spanning Tree Protocol (RSTP), Per VLAN Spanning Tree Plus Protocol (PVST+), and EtherChannel.
2. Understand, configure, and troubleshoot wireless routers and wireless clients.

3. Configure and troubleshoot routers in a complex routed IPv4 or IPv6 network using single-area OSPF, multiarea OSPF, and Enhanced Interior Gateway Routing Protocol (EIGRP).

#### **EE268 COMPUTER NETWORKING IV (4)**

This course discusses the WAN technologies and network services required by converged applications in a complex network. The course enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements. Students learn how to configure and troubleshoot network devices and resolve common issues with data link protocols. Students will also develop the knowledge and skills needed to implement virtual private network (VPN) operations in a complex network.

Course offering: As needed. Prerequisite: EE267

##### **Student Learning Outcomes (SLOs):**

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

1. Understand, configure, and troubleshoot Network Address Translation (NAT) operation.
2. Understand and describe different WAN technologies and their benefits.
3. Understand, configure, and troubleshoot serial connections.

#### **EE271 ADVANCED COMPUTER NETWORKING I (4)**

This course is the first course in the Cisco Certified Networking Professional (CCNP) curriculum. This course will cover the configuration of Cisco routers for operation in large or growing multiprotocol Internet works. This course includes lectures and labs that focus primarily on scalable technologies and the Cisco IOS software features that are most useful in building large or growing Internet works. These features that are most useful in building large or growing Internet works. These features include scalable routing protocols such as Open Shortest Path First (OSPF), Enhanced Interior Gateway Routing Protocol (EIGRP), Intermediate System to Intermediate System (IS-IS), Border Gateway Protocol (BGP), Variable Length Subnet Mask (VLSM), Classless Inter Domain Routing (CIDR), route redistribution, and route summarization. Course offering: Fall only. Prerequisite: EE268 or CCNA Certification

##### **Student Learning Outcomes (SLOs):**

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

1. Implement EIGRP and OSPF in an enterprise network.
2. Implement BGP to allow an enterprise network to connect to an ISP.
3. Implement IPv6 in an enterprise network.

#### **EE275 ADVANCED COMPUTER NETWORKING III (4)**

CCNP 3: Multilayer Switching is the third of four courses leading to the Cisco Certified Network Professional (CCNP) designation. CCNP 3 introduces students on the deployment of the state-of-the-art campus LANs. The course focuses on the selection and implementation of the appropriate Cisco IOS services to build reliable scalable multilayer-switched LANs. Students will develop skills with VLANs, VTP, STP, inter-VLAN routing, multiplayer switching, redundancy, Cisco AVVID solutions, QoS issues, campus LAN security, and emerging transparent LAN services. This hands-on, lab oriented course stresses the design, implementation, operation, and troubleshooting of switched and routed environments. Course offering: As needed. Prerequisites: EE268 or CCNA certification

##### **Student Learning Outcomes (SLOs):**

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

1. Implement, monitor, and maintain switching in an enterprise campus network.
2. Implement VLANs in campus networks.
3. Configure and optimize the Hot Standby Routing Protocol (HSRP) on switches.

#### **EE283 NETWORK SECURITY (3)**

This course is targeted toward an Information Technology (IT) professional with the recommendation that he/she has networking and administrative skills in Windows-based TCP/IP networks and familiarity with other operating systems, such as NetWare, Macintosh, UNIX/Linux, and OS/2, who wants to: further a career in IT by acquiring a foundational knowledge of security topics; prepare for the CompTIA Security+ Certification examination; or use Security+ as the foundation for advanced security certifications or career roles. Course offering: As needed

##### **Student Learning Outcomes (SLOs):**

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

1. Identify fundamental concepts of computer security.
2. Identify security threats.
3. Secure network communications.
4. Monitor the security infrastructure.

<b>EM</b>	<b>ELECTRO MECHANICAL</b>
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**EM112 NATIONAL ELECTRICAL CODE (3)**

This course provides knowledge and understanding of the National Electrical Code governing the installation of residential and commercial electrical systems. Formerly EM092. Course offering: As needed. Prerequisite: EM111

**Student Learning Outcomes (SLOs):**

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

1. Correctly reference information using the National Electric Code in various electrical appliances.
2. Identify faulty installations based on the National Electric Code.
3. Select the proper codes to apply to residential or commercial applications.

<b>EMS</b>	<b>EMERGENCY MEDICAL SERVICE</b>
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**EMS103 EMERGENCY MEDICAL TECHNICIAN (EMT) - BASIC (7-8)**

This course is designed for ambulance service members and others who need to be trained to the level of EMT. Students will learn how to provide emergency care to victims of accidents and illness, recognize the nature and seriousness of the patient's condition, assess the patient's requirements for emergency care, and administer appropriate pre-hospital care to stabilize the patient's condition. Upon completion of this course students will be eligible to test for the National Registry of EMT (NREMT), national certifying examination. Formerly CJ103. Course offering: As needed. Prerequisites: HL 131 & EN 100R. Minimum age 18 years old. Police, Court & Drug clearance will be needed 30 days prior to clinicals. Physical Exam (no older than 6 months prior to clinicals). Drivers License.

**Student Learning Outcomes (SLOs):**

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

1. Describe all types of emergencies.
2. Demonstrate skills needed to provide emergency care to victims.
3. Determine the extent of a patient's condition and assess requirements for care.

**EMS109 EMERGENCY MEDICAL TECHNICIAN - REFRESHER (3)**

This course is a refresher for qualified EMTs who must update their training and must re-certify every two (2) years. The course involves review and updating of the materials presented in EMS103. Formerly CJ109. Course offering: As needed. Prerequisites: 18 years old, EMS103

**Student Learning Outcomes (SLOs):**

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

1. Explain various types of emergencies.
2. Demonstrate knowledge and skills needed to care for victims in emergencies.
3. Demonstrate most current practices of Emergency Medical Technicians.

**EMS170 EMERGENCY MEDICAL TECHNICIAN - INTERMEDIATE I (7)**

This course is the first of two modules of EMT-Intermediate for EMT's who wish to increase their knowledge and deliver a more sophisticated level of emergency medical care in the Advanced Life Support (ALS) area. The course is designed for ambulance service members and others who wish to be trained in this advanced level of EMT. Can be repeated for credit. Formerly CJ170. Course offering: CJ Academy only. Prerequisites: 18 years old, Valid EMT-Basic Certification from Guam or the NREMT

**Student Learning Outcomes (SLOs):**

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

1. Explain the roles and responsibilities of an Intermediate Emergency Medical Technician.
2. Deliver an advanced level of emergency care in the ALS area.
3. Demonstrate knowledge and skills needed of an EMT at an intermediate level.

**EMS175 EMERGENCY MEDICAL TECHNICIAN INTERMEDIATE II (7)**

This course is the second of two modules of EMT Intermediate for EMTs who wish to increase their knowledge and deliver a more sophisticated level of emergency medical care in the Advanced Life Support (ALS) area. The course is designed for ambulance service members and others who wish to be trained to this advanced level of EMT. Formerly CJ175. Course offering: As needed. Prerequisite: 18 years old

**Student Learning Outcomes (SLOs):**

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

1. Explain various types of emergencies and care needed at an advanced level.
2. Deliver an advanced level of emergency care in the ALS area.
3. Demonstrate knowledge and skills needed of an EMT at an advanced level.

**EMS176 EMERGENCY MEDICAL TECHNICIAN - INTERMEDIATE REVIEW (3)**

This course is designed to maintain EMT-Intermediate's proficiency and certification. Students will review essential components of the National Standard Curriculum for EMT Intermediates and will also be presented with additional EMT-Intermediate knowledge and skills pertaining specifically to Guam's EMS system. Course offering: As needed. Prerequisites: 18 years old, Valid EMT-Intermediate certification from either Guam or the NREMT, EMS175

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate an understanding of the National Standard Curriculum for EMT Intermediates.
2. Demonstrate knowledge and skills needed for the local EMS system.
3. Acquire nationally recognized EMT certification.

EN	ENGLISH
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**EN066 READING WORKSHOP (3)**

This course is designed to develop and improve the student's current reading skill level as determined by the Comprehensive Adult Student Assessment System (CASAS) pre-test reading scale score for Adult Basic Education. This course provides adult students with an opportunity to develop and improve their reading skills. Relevant individualized instruction provides reading activities to enable students to become empowered, competent, critical, and reflective in their reading. At the end of each semester, students enrolled in this course are required to complete the post-test component of the CASAS for Adult Basic Education. Student scoring 246 or above in the CASAS Reading scale assessment will be considered to have achieved the Student Learning Outcomes (SLOs) for the course and can be awarded a CR grade for the course. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate an increase in reading skills.
2. Demonstrate an understanding of reading as a process.
3. Apply reading skills in a lifelong-learning context.

**EN067 WRITING WORKSHOP (3)**

EN067-Writing Workshop will introduce students to the writing process. This process included a series of ongoing, interconnected writing skills and activities involving pre-writing, writing, conferences, revision, editing, and finalization of writing pieces. Mini-lessons, individualized guided writing, instructor-student conferencing, student-student conferencing, and group sharing will facilitate a better understanding and application of the writing process. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate that writing is a progressive activity.
2. Utilize the components of the writing process to improve individualized skill levels.
3. Apply basic writing skills in organizing an effective message in a variety of individual, group, organizational, and related social settings.

**EN068 LANGUAGE ARTS LITERACY (3)**

This course is designed to develop and improve the students' current reading skill level as determined by the Comprehensive Adult Student Assessment System (CASAS) and writing skills. The course incorporates the College and Career Readiness Standards (CCRS) for adult education; the standards will enhance students' reading and writing skills which will prepare them for postsecondary education and the workforce. Relevant individualized instruction provides reading and writing activities to enable students to become empowered, competent, critical, and reflective in their reading and writing.

At the end of each semester, students enrolled in this course are required to complete the post-test component of CASAS; students scoring a 245 or above in the CASAS reading assessment will be considered to have achieved the Student Learning Outcomes (SLOs) for the course and can be awarded a CR grade for the course.

Formerly Integration of EN066 and EN067 (Reading and Writing Workshop). Course Offering: As needed. Prerequisite: Placement via CASAS assessment (236).

**Student Learning Outcomes (SLOs):**

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

1. Read closely to determine what the text says explicitly and to make logical inferences.
2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.
3. Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone.

4. Write arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
5. Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach.
6. Use technology, including the Internet, to produce and publish and to interact and collaborate with others.

#### **EN081 LITERATURE SURVEY (3)**

This course is designed to familiarize the student with a selection of writings by noted authors of the shorter genre of Literature: the short story, poetry, the essay, and short dramatic selections. Areas of instruction include the structure of and literary elements contained in these genre, reading comprehension, vocabulary development, and Literature-based composition. Course offering: As needed.

##### **Student Learning Outcomes (SLOs):**

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

1. Determine a theme or central idea of a text. (RL.9-10.2, L.9-10.1, L11-12.6)
2. Conduct literary analysis (short story, poetry, etc.). (RI.11-12.3)
3. Write informative/explanatory texts to examine and convey complex ideas, concepts, and information. (W.9-10.2b-c, W.11-12.9a)
4. Develop writing by planning, revising, editing, rewriting, or trying a new approach. (W.910.2a-f, W.11-12.5, W.11-12.9a, L.9-10.1-3, L.11-12.4a-d)

#### **EN091 FUNDAMENTALS OF COMMUNICATION (3)**

This course is a study of communication and speech, and introduces students to the ongoing, everchanging process of communication. This course will focus on the basic channels of communication, the principles of interpersonal communication, communication within groups, and the process of preparing and delivering speech presentations. Course offering: As needed

##### **Student Learning Outcomes (SLOs):**

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

1. Prepare for and participate effectively in a range of conversations and collaborations with diverse partners, building on others' ideas and expressing their own clearly and persuasively.
2. Present information, findings, and supporting evidence such that listeners can follow the line of reasoning and the organization, development, and style are appropriate to task, purpose, and audience.
3. Make strategic use of digital media and visual displays of data to express information and enhance understanding of presentations.
4. Acquire and use accurately a range of general academic and domain-specific words and phrases sufficient for speaking and listening at the college and career readiness level.
5. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.

#### **EN100B FUNDAMENTALS OF ENGLISH-BASIC (4)**

This course is designed to meet the needs of those students scoring between 22-26 on the reading section of the placement test who need developmental work in basic English skills. ( main emphasis is on reading) prior to entry into Fundamentals of English/Reading (EN100R). Student will work on an individualized basis with the assistance of instructor to increase and improve reading ability. Course offering: As needed. Prerequisite: Score between 22-26 on the currently utilized ACCUPLACER.

##### **Student Learning Outcomes (SLOs):**

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

1. Demonstrate growth in vocabulary level.
2. Improve in comprehension level.
3. Show a more positive attitude toward reading.
4. Understand the basics of the "reading process."

#### **EN100R FUNDAMENTALS OF ENGLISH/READING (3)**

This course is designed to meet the needs of those students requiring additional reading skill development. Students scoring 27-51 on the ACCUPLACER placement test are required to enroll in this course, EN100R. If student scores between 27-51, student is required to enroll in this course only. If student scores between 52-74 on the ACCUPLACER placement test, student may choose to enroll in both this course and EN100W. It is the recommendation of the English Department that student first completes the reading requirement. Course offering: As needed. Prerequisite: EN100B

##### **Student Learning Outcomes (SLOs):**

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

1. Demonstrate growth in vocabulary and comprehension levels.
2. Demonstrate an improved attitude toward reading.
3. Demonstrate a clear understanding and extensive practice of the "reading process".

**EN100W FUNDAMENTALS OF ENGLISH-WRITING (3)**

Students work toward improving their writing skills. Instruction is individualized to meet each student's level of ability. EN100W focuses on writing as a process, conferencing with peers and the instructor, and using critical thinking skills to improve written work. Students with a composition score below 4 from a prior EN100W course are required to retake EN100W until the required composition score of "Pass" is achieved. Students may enroll in both EN100R and EN100W if they earn a score of 52-74 on the reading component of the ACCUPLACER placement test. Students are placed into EN100W if they received a grade of "P" in EN100R-Fund. Of English/Reading, or are reading at the 9.0 or above grade level based on the Nelson-Denny reading test and currently enrolled in EN100R, or earn a score of 68-100 on the reading component, 0-100 on the writing component, and 0-5 on the essay component of the ACCUPLACER placement test. Course offering: As needed.

Prerequisites: Students with a composition score below 4 from a prior EN100W course are required to retake EN100W until the required composition score of "Pass" is achieved. Students may enroll in both EN100R and EN100W if they earn a score of 52-74 on the reading component of the ACCUPLACER placement test. Students are placed into EN100W if they received a grade of "P" in EN100R-Fund. Of English/Reading, or are reading at the 9.0 or above grade level based on the Nelson-Denny reading test and currently enrolled in EN100R, or earn a score of 75 or higher on the reading component, 0-74 on the writing component, and 0-5 on the essay component of the ACCUPLACER placement test.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate an improvement in their overall writing abilities.
2. Submit prewriting drafts, outlines, rough drafts, revisions, and final drafts as evidence of using the writing process.
3. Utilize a word processing program to facilitate writing.

**EN110 FRESHMAN COMPOSITION (3)**

Emphasizing critical reading, writing, and thinking, this course focuses on communicating clearly and effectively using standard written English in an academic setting, as well as in other communities. Students will practice exploring ideas, conveying information, and developing their writing process. They will demonstrate logical reasoning, clarity, organization, and appropriate language choices in their writing. Course offering: As needed. Prerequisite: Placement into EN110 or successful passing of EN100R, EN100W

**Student Learning Outcomes (SLOs):**

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

1. Employ the writing process (prewriting, organizing, drafting, revising) and writing strategies.
2. Demonstrate understanding of the connection between reading and writing.
3. Identify and apply the connection between an author's purpose, audience and strategies.
4. Compose three to four essays using different prose patterns.
5. Identify and apply critical thinking skills.

**EN111 WRITING FOR RESEARCH (3)**

This course is a continuation of EN 110. Emphasis is placed on academic research processes and writing. Students will develop information literacy skills to access both primary and secondary sources. Students will also engage in critical analyses of print, electronic, and observational data. Prerequisite: Student must complete EN 110 with a "C" or better. Course Offering: Fall & Spring semester every year.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate competency in locating and evaluating credible primary and secondary sources.
2. Compose essays that summarize, paraphrase, quote, and synthesize information gathered from research.
3. Apply appropriate documentation style.
4. Develop an argumentative essay supported by research.

**EN125 INTRODUCTION TO HUMAN COMMUNICATION AND SPEECH (3)**

This course surveys speech communication theories, concepts and skills existing in interpersonal, intercultural, small group, and organizational interactions, as well as oral public presentations. This course offers a combination of humanistic and pragmatic approaches to understanding and evaluating communication. A significant portion of the course covers the preparation and presentation of oral assignments (speeches). Course offering: As needed. Prerequisite: Placement into EN110 or successful passing of EN100R/W.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate listening and information gathering skills.
2. Explain the differences in cultural communication patterns.
3. Apply oral communication skills through actual applications.
4. Develop and deliver speeches for a variety of purposes.

**EN194 TECHNICAL COMMUNICATION (3)**

This course prepares students to communicate effectively for business, industry, and professions. Students will engage in the writing process and develop examples of technical communication as well as deliver professional, oral presentations. Formerly EN194 Technical Report Writing Course Offering: Spring only.

**Student Learning Outcomes (SLOs):**

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

1. Define technical communication and its major traits.
2. Create audience profiles and employ the technical communication writing process to produce correctly written and formatted technical communication.
3. Create various types of properly formatted technical communication.
4. Deliver professional, oral presentations for technical communication purposes.

**EN210 INTRODUCTION TO LITERATURE (3)**

This course is designed to familiarize students with the major division of literature: fiction, poetry, and drama. Students will develop an understanding of and appreciation for literary elements. Course Offering: Fall & Spring semester.

**Student Learning Outcomes (SLOs):**

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

1. Recognize the differences between literary genres, including but not limited to poetry, fiction, and drama.
2. Demonstrate basic familiarity and comprehension of vocabulary for discussing literary texts.
3. Write analytically about literature..

**FA****FAMILY SERVICES****FA192 Family Services Practicum (3)**

Students will have the opportunity to implement their knowledge and skills while working under the mentorship of a qualified social services professional and faculty member. A minimum of 135 hours of work is required, which may include observations, meetings with clients and professionals, and professional development activities. Course offering: As needed. Prerequisite: permission from advisor or Education department chairperson

**Student learning Outcomes (SLOs)**

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

1. Demonstrate effective communication skills with clients and co-workers.
2. Demonstrate appropriate competency needed in the effective delivery of human services.
3. Demonstrate professionalism and ethical conduct within the field.

**FS****FIRE SCIENCE TECHNOLOGY****FS100 INTRODUCTION TO FIRE PROTECTION (3)**

This course covers the philosophy and history of fire protection; history of loss of life and property by fire; review of municipal fire defenses; study of the organization and function of federal, state, county and private fire protection agencies, survey of professional fire protection career opportunities. This course is designed for career public safety officers and recruits. Course offering: Fire Academy only. Prerequisite: Instructor permission is required

**Student Learning Outcomes (SLOs):**

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

1. Identify career opportunities in the fire science field.
2. Research and examine local, state and federal fire protection agencies.
3. Discuss the philosophy and history of fire protection.

**FS101 INTRODUCTION TO FIRE SUPPRESSION (3)**

This course is a study of techniques of effective fire prevention to include fire hazards and causes; judging fire load, building construction, inspection techniques; storage of flammable and combustible liquids and hazardous materials security. This course is designed for career public safety officers and recruits. Course offering: Fire Academy only. Prerequisite: Instructor permission is required.

**Student Learning Outcomes (SLOs):**

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

1. Explain strategies for effective fire protection.



2. Identify inspection techniques used in fire protection careers.
3. Identify various types of building structures and explain the importance of basic fire resistance requirements.

**FS102 FIRE SERVICE ON GUAM (3)**

A study of the topographical layout of Guam and the techniques and methods used in grassland fire fighting will be explored. This course is designed for career public safety officers and recruits. Course offering: Fire Academy only. Prerequisite: Instructor permission is required

**Student Learning Outcomes (SLOs):**

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

1. Recognize and identify key features of the topographical layout of Guam.
2. Integrate knowledge of the topographical layout of Guam to gain maximum advantage when firefighting.
3. Properly apply the techniques and methods used for grassland firefighting.

**FS103 FIRE FIGHTER I (8)**

This course is based on National Fire Protection Association (NFPA) 1001, Standard for Fire Fighter professional Qualifications. This course is designed for the person who seeks the knowledge and skills to function as an integral member of a firefighting team under direct or general supervision in hazardous conditions. Enrollment is limited to students currently in the Fire Science Academy. Course offering: As needed. Prerequisites: Permission by the Criminal Justice Department. Co-requisite: Hazardous Materials Awareness for (NPQS Firefighter I certification)

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate the knowledge and skills to perform basic firefighting emergency and rescue operations and duties.
2. Demonstrate the knowledge and skills to operate basic firefighting rescue tools and equipment.
3. Demonstrate the knowledge and skills to pass the National Professional Qualifications System (NPQS) certification test for Firefighter I level.

**FS104 FIRE FIGHTER II (3)**

This course is based on the National Fire Protection Association (NFPA) 1001, Standard for Fire Fighter Professional Qualifications. The course is designed for the person who seeks the knowledge and skills to function as an integral member of a firefighting team under direct or general supervision in hazardous conditions. Enrollment is limited to students currently in the Fire Academy. Course offering: As needed. Prerequisites: Permission by the Criminal Justice Department Chair. Co-requisite: Hazardous Materials Awareness for (NPQS Firefighter I certification)

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate the knowledge and skills to perform basic firefighting emergency and rescue operations and duties.
2. Demonstrate the knowledge and skills to operate basic firefighting rescue tools and equipment.
3. Demonstrate the knowledge and skills to pass the National Professional Qualifications System (NPQS) certification test for Firefighter II level.

**FS105 FIRE PREVENTION (3)**

A study of techniques of effective fire prevention to include fire hazards and causes; judging fire load, building construction; inspection techniques; storage of flammable and combustible liquids and hazardous materials security. This course is designed for career public safety officers and recruits. Course offering: Fire Academy only. Prerequisite: Instructor permission is required

**Student Learning Outcomes (SLOs):**

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

1. Explain the authority to inspect, responsibilities of the fire inspector, the types of organizational structures that may affect inspection activities and public education.
2. List the steps involved to prepare for inspection and inspection procedures and the purpose of follow up inspections.
3. List and explain the different types of occupancy classifications and the different components of the means of egress.
4. List and describe the different types of fire protection systems, and list the components of an effective water distribution system.

**FS107 REPORT WRITING FOR THE FIRE SERVICE (3)**

Emphasis on principle and techniques of report writing; methods of writing the basic who, what, when, where, why and how; and procedures of gathering information and developing various types of reports. Study is designed to produce proficiency in report writing and to reinforce and expand skills previously acquired. Course offering: Fire Academy only. Prerequisite: Instructor permission is required

**Student Learning Outcomes (SLOs):**

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

1. Understand the importance of accurate report writing and record keeping.
2. Understand the standards and formats of basic fire service report forms.
3. Properly complete required reports relative to fire and other emergency incidents.
4. Develop administrative reports, memorandums, and correspondence related to the fire service organization.

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<b>HFB</b>	<b>HOSPITALITY FOOD &amp; BEVERAGE</b>
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**HFB215 PURCHASING AND RECEIVING (2)**

This course is an introduction to basic concepts and issues in purchasing and receiving. To support the purchasing role in identifying high - value sources of goods and services, strengthen relationships with supply chain partners, and ensure timely delivery of goods. Course offering: Fall or as needed.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate an understanding of the principles of purchasing and receiving from a theoretical approach to practical applications using industry standards and measures.
2. Understand contract negotiation principles and employ contract negotiation techniques and identify supplier adoption procedures utilizing industry standards and measures.
3. Describe the value of creating effective supplier relationships.
4. Identify the diverse rules and regulations and ethical conduct essential to purchasing and receiving.

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<b>HI</b>	<b>HISTORY</b>
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**HI121 HISTORY OF WORLD CIVILIZATION I (3)**

Students will explore the most important aspects of world civilizations from pre-historic time to 1500 A.D. from the Fertile Crescent to the medieval feudal states. Students will study the birth of ancient peoples and societies. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Develop an understanding of the basic principles and theories involved with world civilizations.
2. Explain the development and evolution of ancient people and societies.
3. Develop an appreciation of world civilizations from pre-historic to 1500 A.D. from the Fertile Crescent to the medieval feudal states.

**HI122 HISTORY OF WORLD CIVILIZATION II (3)**

The course plots civilizations from the 1500's to the modern era. Students will examine a variety of historic experiences, discoveries, and inventions as well as the cultural, political, and economic forces that have shaped modern society. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Develop an understanding of the basic principles and theories involved with world civilizations.
2. Apply principles and theories to major events related to world civilizations.
3. Develop an appreciation of world civilizations from the 1500's to modern day period.

**HI176 GUAM HISTORY (3)**

Guam History covers the ancient settlement period prior to Ferdinand Magellan's arrival in 1521 up to the modern United States military buildup on Guam. The Spanish, Japanese and United States administration periods and development of self-rule will be discussed and analyzed. This course is designed to inform those interested about the diverse influences that have contributed to the culture and history of Guam. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate knowledge of Guam history.
2. Respect Chamorro culture and values.
3. Appreciate the qualities that make Guam unique.

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<b>HL</b>	<b>ALLIED HEALTH</b>
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**HL120 MEDICAL TERMINOLOGY (2)**

This course provides students with the elements of medical terminology. The study includes origins of medical terminology, the

basic structure of medical words, word element combinations, medical terminology for specialties, and medical abbreviations.  
Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Define 350 medical words and elements.
2. Build and dissect medical terms from roots/suffixes to understand the word element combinations that create medical terminology
3. Define abbreviations and symbols.

**HL130 FIRST AID & SAFETY (1)**

This course provides students with the basic knowledge and skills necessary in an emergency to call for assistance and provide standard first aid care, including CPR. This course also includes information on the prevention of injury and illness with a focus on personal safety. Course offering: Fall & Spring only

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate knowledge and skills of first aid and safety including cardiopulmonary resuscitation (CPR).
2. Explain the Chain of Survival according to the American Red Cross.

**HL131 BASIC LIFE SUPPORT FOR HEALTH CARE PROVIDERS (1)**

This course provides students with the knowledge and skills necessary in an emergency such as rescue breathing and cardiopulmonary resuscitation (CPR). This course is a related technical requirement for the Certificate and Associate of Science in Medical Assisting. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate one- and two-person resuscitation of a simulated adult in cardiac arrest.
2. Evaluate the effective use of ventilation when using a barrier device.
3. Apply concepts to use an Automated External Defibrillator (AED) correctly.

**HL135 HEARTSAVER FIRST AID CPR AED (3)**

This course will provide students with the knowledge and skills to provide Basic First Aid and Cardiopulmonary Resuscitation (CPR) with an automated external defibrillator (AED). Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate how to perform Cardiopulmonary Resuscitation (CPR) on an adult manikin.
2. Practice effective use of an Automated External Defibrillator (AED) on an adult victim.
3. Administer basic first aid techniques.

**HL140 INTRODUCTION TO CLINICAL LABORATORY (2)**

This course provides an introduction to the field of laboratory science, including the development of basic and moderate complexity laboratory skills and phlebotomy technique. Course offering: Spring only. Prerequisites: HL120, HL130, MS101, and SI130A or SI130B

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate use of basic to moderate lab equipment.
2. Demonstrate competence in obtaining specimens of blood and other body fluids.
3. Demonstrate ability to interact with patients, hospital, and physicians and lab personnel.
4. Describe quality control in the clinical lab.

**HL150 STUDY OF DISEASES (3)**

This course provides the basic concepts and characteristics of disease processes, which include disease description, etiology, signs and symptoms, diagnosis, treatment, prognosis, and prevention and terminology pertaining to injuries and disease process. Formerly HL152. Course offering: As needed. Prerequisites: EN110, HL120, and SI130A or SI130B

**Student Learning Outcomes (SLOs):**

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

1. Identify the etiology of the more commonly encountered diseases and identify their methods of prevention, control and treatment.
2. Identify signs and symptoms of common diseases.
3. Demonstrate proficiency in defining medical terminology as related to diseases.

**HL160 INTRODUCTION TO PHARMACOLOGY (1)**

This course provides students with the scope of pharmacology including definitions, classifications, common drugs within each classification, drugs, commonly used in prevention, diagnosis, and treatment of disease (action, side effects, related responsibilities), major factors which affect drug action, abbreviations, and symbols related to drug administration, drug standards and legislation, and references for drug information. Course offering: Summer only. Prerequisites: SI130A or SI130B, HL150. Co-requisites: HL161, HL162

**Student Learning Outcomes (SLOs):**

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

1. Identify major drug classifications and common drugs within the group.
2. Identify drugs commonly used in the prevention, diagnosis and treatment of diseases.
3. Recognize major factors affecting drug actions.
4. Identify standards of legislations as they apply to drugs and their administration.

**HL161 PHARMACOLOGICAL TREATMENT OF DISEASE (1)**

This course is a survey of medications commonly used in the prevention, diagnosis, and treatment of diseases, with discussion of pharmacological action, side effects and related responsibilities. Course offering: Summer only. Prerequisites: HL150, and SI130A or SI130B

**Student Learning Outcomes (SLOs):**

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

1. Identify specification, side effects, and responsibilities related to use of all pharmaceuticals studied.
2. Demonstrate proficiency in using the Physician's Desk Reference (PDR).

**HL162 ADMINISTRATION OF MEDICATIONS (1)**

This course is an application of basic concepts required for medication administration: choice of equipment, proper technique, hazards and complications, patient care, satisfactory performance of intramuscular, subcutaneous, and intradermal injections, preparation and administration of oral medication, immunizations. Course offering: Summer only. Prerequisites: HL150, and SI130A or SI130B. Co-requisites: HL160, HL161

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate ability to solve conversion problems within the household, apothecary and metric system.
2. Demonstrate ability to interpret abbreviations and symbols accurately as they relate to drug administration.
3. Apply the "Rights of Medication Administration".
4. Demonstrate correct administration enteral, parenteral and cutaneous drugs in simulated lab situations.

**HL190 INTRODUCTION TO ANATOMY AND PHYSIOLOGY FOR ALLIED HEALTH PROFESSIONAL (4)**

This course is designed to serve students in the Career Technical Programs. This course will be part of the Medical Assistant Program core curriculum. Material covered includes the structure and function of the human body. Basic chemistry and cell structures are covered, as well as the organization of tissues, organs, and organ systems. Correlations can then be made between this material and disease states commonly encountered in the practice of these fields. Course Offering: As needed. Prerequisite: EN100R and EN100W or EN110 placement or equivalent

**Student Learning Outcomes (SLOs):**

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

1. Describe the effects on cells placed in an isotonic solution, hypertonic solution, or a hypotonic solution.
2. Differentiate between the effects of the sympathetic system and parasympathetic system on system organs.
3. List the cellular components of blood and their functions.

**HL202 NUTRITION (3)**

This course provides students with the basic knowledge of nutrition. The knowledge from this course will allow students to understand the relationship between health and nutrition and how to make wise choices that contribute to a healthy lifestyle. The course further discusses methods in optimizing the use of different food choices in reducing or avoiding health-related implications and/or illnesses. Formerly HS202. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Identify the six functions of nutrients.
2. Apply the food pyramid to effectively maintain a healthy lifestyle.
3. Recommend a dietary meal plan that provides a corrective treatment to common illnesses.

**HL252 PATHOPHYSIOLOGY (3)**

The objective of this course is for the students to gain an understanding of underlying principles, manifestations and clinical

implications of disease processes and alterations of function in body systems in all age groups through clinical case study. Course offering: Spring only. Prerequisites: HL120, and SI130A or SI130B

**Student Learning Outcomes (SLOs):**

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

1. Describe type II hypersensitivity reaction, and how it induces hemolytic anemia. (Immunopathology)
2. Describe the distribution of fluid between the intracellular and extracellular compartments. (Fluid and hemodynamics)
3. List common causes and discuss the pathogenesis of pneumonia. (Respiratory pathology)

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<b>HM</b>	<b>HUMAN SERVICES</b>
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**HM110 Introduction to Community Services (3)**

Students will become familiar with services available in the community to meet human needs and to help with social problems. Emphasis is on the development of knowledge from the perspective of a consumer and of skills necessary to locate, gain access to, and effectively utilize such services. Formerly: FA110. Course offering: As needed

**Student Learning Outcomes (SLOs)**

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

1. Recognize different ways of thinking about community.
2. Explain basic concepts of individual and collective human needs.
3. Define concepts and typologies of community services, particularly those on Guam.

**HM150 HUMAN DEVELOPMENT DIVERSITY (3)**

The course examines concepts and principles concerning human diversity. It sensitizes students to the complex social-economic-political issues diverging from human equality, conflict resolution, as well as examining the effects of social injustice toward persons of race, gender, sexual orientation and disability. Additionally, students are provided awareness of social change affecting the professional commitment to ensure nondiscriminatory treatment and equal access for clients at all levels of practice interventions. Course offering: As needed. Prerequisites: SO130

**Student Learning Outcomes (SLOs):**

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

1. Examine human development diversity as it relates to race, gender, sexual orientation and disability.
2. Relate how issues of social change and advocacy promote human development diversity.
3. Assess social progress and challenges in promoting fair and equitable treatment.

**HM180 HUMAN SERVICES PRACTICUM ORIENTATION (3)**

The course is designed as a “bridge course” to foster a learning environment that enables students to explore their career pathway in human services. Students gain the knowledge of what to expect from a practicum experience and build awareness about the various human service practicum sites, services provided to its clients, as well as meeting with practicum instructors. By the end of the course, students select the practicum site to conduct field practicum hours. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Describe the practicum integrative processing model.
2. Employ student values with career options when selecting a field practicum.
3. Explain the relationship between student learner and field practicum agency.

**HM201 SOCIAL WELFARE & DEVELOPMENT: GLOBAL CHALLENGES (3)**

Students will critically examine social welfare from an international and cross-cultural perspective with a focus on the importance of cultural and value systems on a society's allocation of resources, on the development of informal and formal systems of care, and on the evolving mission, roles, and functions of social work. Formerly FA201 Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate knowledge of basic concepts of the structure and functions of social welfare.
2. Demonstrate knowledge of social work pertaining to human behavior and the social environment within a bio-psycho-social-spiritual framework.
3. Demonstrate ways that global trends shape the future of social work and social work education.

**HM205 FOUNDATIONS OF CASE MANAGEMENT (3)**

The course examines strengths based case management practice models, interpersonal skills to foster a client-driven culturally sensitive partnering approach to care, communication/interviewing skills, service delivery, service coordination planning and proper documentation in case management. Students will further recognize the role of case managers within human service agencies and informal support systems. Course Offering: As needed. Prerequisite(s): HM201

**Student Learning Outcomes (SLOs):**

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

1. Identify case management principles, models and strategies for effective delivery of human services.
2. Apply the basic skills of case management functions in service coordination.
3. Contrast the different phases of the case management process with one another.

**HM225 SUBSTANCE ABUSE PREVENTION (3)**

The course critically examines the field and practice of substance abuse prevention in human services. Students will gain knowledge into the evidence-based, prevention research and programming, as well as facts about drugs and other prevention work such as community awareness, prevention education and evaluation. Students will gain first hand experience in learning about various community-based programs aimed at substance abuse prevention. Course Offering: As needed. Prerequisite(s): HM110 & PY120.

**Student Learning Outcomes (SLOs):**

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

1. Describe the three dominant theoretical orientations in substance abuse prevention.
2. Articulate the science base prevention steps of substance abuse prevention programming.
3. Compare the role of cultural competency, advocacy and ethics with science based community prevention programming and education.

**HM250 ETHICS AND VALUES IN HUMAN SERVICES (3)**

The course is designed to help students integrate values and ethics into all aspects of human services and ultimately the practice in the field of human services and its related services. Course Offering: As needed. Prerequisite(s): HM150 and HM201

**Student Learning Outcomes (SLOs):**

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

1. Recognize historically important traditions in ethics.
2. Articulate the credibility of information sources.
3. Distinguish the relationship between values and ethics in human services.

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**HS****HOSPITALITY**

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**HS130 PROFESSIONAL BAR AND BEVERAGE MANAGEMENT (4)**

The Professional Bar and Alcohol Management is a two-part course that introduces students to the concepts of beverage management and alcohol service. In part I, course topics include bar management, controlling beverage costs, legal aspects of professional alcohol service, and marketing of alcohol beverage products. In part two, students will use the ServSafe Alcohol training modules to learn best practices for providing responsible alcohol service. Students will acquire an understanding of the criminal and civil liability relating to sale and service of alcohol. Through role play simulation, students will learn how to assess signs of intoxication, prevent guest intoxication, and deal with difficult situations while maintaining effective guest relations. Students knowledge will be assessed using the National Restaurant Association ServSafe® Alcohol Certification Exam. Course Offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Explain the importance of providing responsible alcohol service.
2. Demonstrate proper procedures for dealing with non-compliant customers and intoxicated guests.
3. Explain legal statutes associated with serving alcohol.

**HS140 MENU PLANNING (3)**

This course is designed to provide students with an understanding of menu planning; its qualities and importance in a foodservice operation. Students will learn how to plan, write, and adjust menus for individuals with different needs and plan menus for a variety of foodservice operation. Course offering: As needed. Prerequisites: MA095 or higher OR CUL145.

**Student Learning Outcomes (SLOs):**

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

1. Explain terms and styles associated with menu planning.
2. Develop and plan menus considering the influence of location, customers, goals, and limitations of a foodservice establishment
3. Write menus following the descriptive terminology, truth-in-menu guidelines and layout.
4. Discuss menu cost and menu price and evaluate menus for profitability.

**HS145 CULINARY MATH (3)**

This course provides the student with the understanding of the basic math concepts required of being a successful professional in the food service industry. This course is reserved exclusively for declared Associate of Arts in Culinary Arts students and Apprentices and meets the General Education Math requirement for the degree. Formerly MA145. Course offering: As needed. Prerequisite: MA095

**Student Learning Outcomes (SLOs):**

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

1. Convert units of measure of volume or weight.
2. Calculate yield percentages for food recipes.
3. Calculate kitchen ratios.
4. Calculate various costs including, As Purchased Cost Vs. Edible Portion Cost.

**HS150 WELCOME TO HOSPITALITY (3)**

This course provides an overview of the hospitality and tourism industry. This course emphasizes the importance of professionalism, guest relations, and developing positive work habits, values, attitudes expected of hospitality employees, and also career exploration. Course offering: Fall and Spring only.

**Student Learning Outcomes (SLOs):**

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

1. Describe the main components of the hospitality, tourism, and travel industry.
2. Demonstrate guest relation skills and explain the need for a hospitality attitude.
3. Discuss the history, organizational structures and contemporary issues in the hospitality and travel industry.
4. Identify career opportunities in the hospitality and tourism industry.

**HS152 CUSTOMER SERVICE (3)**

This course is designed to examine, challenge, and refine the principles of guest service management in various service organizations. Students will gain an understanding of "service products" and apply the tools to deliver these services and use these concepts in their own work experiences. Included is the American Hotel and Lodging Association Educational Institute's Guest Service Gold® program designed to train employees to be guest service-oriented to provide memorable service. A Certified Guest Service Professional (CGSP) examination is offered to those seeking a CGSP designation. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate the accepted protocol for resolving guest complaints and apply the steps to take a negative customer encounter and turn it into a positive customer service.
2. Assess the customer's wants and needs through the use of demographics and other database information.
3. Design a customer service campaign that appeals to the wants and needs of a visitor.

**HS154 NUTRITION FOR FOODSERVICE PROFESSIONALS (3)**

This course is an introduction to nutrition related to the foodservice industry covering fundamentals of nutrition and foods; developing and marketing healthy recipes and menus; and nutrition's relationship to health life span. This course covers the study of nutrients and nutrition deficiencies, digestion and metabolism, dietary guidelines and restrictions, diet and diseases, and basic principles for health conscious cooking. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. List the current USDA Food Guide and recommend daily servings and guidelines.
2. Describe and identify major nutrients and their sources.
3. Evaluate and prepare diets and menus in accordance with dietary guidelines and restrictions.
4. Explain healthy cooking techniques; be able to analyze and modify recipes for healthier food production.

**HS155 BASIC HOTEL & RESTAURANT ACCOUNTING (3)**

This course is designed to prepare students to utilize the financial reporting procedures of Hotel and Restaurant Accounting. Students who successfully complete this course will be able to prepare financial reports and follow the bookkeeping practices of the hospitality industry. Course offering: Spring only

**Student Learning Outcomes (SLOs):**

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

1. Describe the accounting process.
2. Define major classifications of accounts and the general ledger.
3. Read and analyze financial statements.
4. Distinguish the differences in accounting procedures of the various activities within the hospitality industry.

**HS157 TOURISM PLANNING AND DEVELOPMENT (3)**

This course provides an overview of the tourism industry and how its components-destination, marketing, demand, and travel, interact with each other in order to create a successful tourism product. Students will learn principles of destination planning, development, and marketing and apply these principles in the study of Guam's tourism industry. Formerly HS153 Course Offering: As needed. Prerequisite: HS150 or DC approval.

**Student Learning Outcomes (SLOs):**

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

1. Explain the importance of tourism in the economy.
2. Discuss the components of a tourism system.
3. Create a tourism marketing program for Guam.

**HS158 INTRO TO MEETINGS, EXPOSITIONS, EVENTS AND CONVENTIONS (MEEC) (3)**

This course provides students with knowledge and abilities that prepares them to assist with or manage the implementation and monitoring of meeting, exposition, event, or convention (MEEC). Students will learn tasks, activities, and issues involved in producing a meeting or event. Course competencies are aligned to Meeting and Business Event Competency Standards (MBECS) - a global, industry-endorsed descriptions of the knowledge and abilities that meeting professionals need in order to be successful. Course Offering: As needed. Prerequisite: HS150 or Approval from DC

**Student Learning Outcomes (SLOs):**

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

1. Discuss the role and function of a meeting planner.
2. Identify the legal and ethical responsibilities of a meeting planner.
3. Create a project management plan for meeting, exhibition, event, and convention (MEEC).

**HS160 HOSPITALITY SUPERVISION (3)**

This course provides hospitality students with proven ways to get maximum results by directing and leading. They will be prepared to juggle the expectations of management, guests, employees, and governmental agencies. In addition, students will be able to develop creative strategies for effectively managing change and resolve conflicts. Course offering: As needed. Prerequisite: HS150.

**Student Learning Outcomes (SLOs):**

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

1. Identify fundamental supervisory responsibilities.
2. Describe how supervisors work with the human resources department to recruit new employees.
3. Distinguish coaching from counseling and disciplining.
4. Describe issues supervisors should be aware of as they assume the role of team leader.
5. Explain why it is important for supervisors to take control of their personal development, and describe how to execute a career development plan.

**HS203 FOODSERVICE SAFETY AND SANITATION (3)**

This course provides students with the knowledge and skills, through "hands-on" experience to develop and implement a Sanitation Risk Management (SRM) program with the Hazard Analysis Critical Control Point (HACCP) method. The National Restaurant Association Education Foundation ServSafe® Certificate will be given to students successfully passing the National Certification examination with a score of 70% or better. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Identify the factors that affect the growth of food borne bacteria in food requiring Time and Temperature Control for Safety (TCS).
2. Demonstrate proper hygienic procedures or processes that foodservice employees use to prevent the spread of food borne illness and cross contamination of food.
3. Identify and cite the seven HACCP Principles and ten Control Points.
4. Develop a SRM Plan using the HACCP Method.

**HS208 MANAGING FOOD & BEVERAGE SERVICE (3)**

This course will give students a basic understanding of managing service in food and beverage operations. The emphasis of this course is to explore aspects of food and beverage services common to restaurants, cafeterias, hotels, and conference centers and clubs. Course offering: As needed.

**Student Learning Outcomes (SLOs):**

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



1. Demonstrate knowledge and skills in providing various styles and specialized forms of service, and identify when these styles and forms of service can be applied, and develop an appropriate sequence of service for various food and beverage establishments.
2. Describe a typical food and beverage establishment's standard operating procedure.
3. Identify causes, assess potential solutions, and formulate a plan of action to address all negative "moments of truth".

### **HS211 MANAGING FRONT OFFICE OPERATIONS (3)**

Managing Front Office Operations provides an in-depth look at management of the front office and how this department interacts with other hotel departments to create a memorable guest experience. This course presents a systematic approach to front office procedures by detailing the flow of business through a hotel, from the reservations process to check-out and account settlement. It also examines the various elements of effective front office management, paying particular attention to the planning and evaluation of front office operations and to human resources management. Course offering: As needed. Prerequisite: HS150

#### **Student Learning Outcomes (SLOs):**

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

1. Describe the importance of operating an efficient front office in view of overall hotel performance.
2. Apply various front office skills in the four stages of the guest cycle.
3. Demonstrate knowledge of front office terminology and guest relations strategies when presented with various work situations.

### **HS215 MANAGING HOUSEKEEPING OPERATIONS (3)**

Housekeeping is critical to the success of today's hospitality operations. This course exemplifies what it takes to direct day-to-day operations of this department, from big-picture management issues to technical details for cleaning each area. This course provides students with an understanding of managing housekeeping operations and provides strategies and tools to achieve housekeeping standards that meet guest expectations. Course Offering: Fall and Spring. Prerequisites: HS 150

#### **Student Learning Outcomes (SLOs):**

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

1. Identify responsibilities and plan the work of housekeeping in a hotel operation.
2. Discuss housekeeping operation's concepts of environmental and energy management.
3. Summarize the routine of guestroom cleaning from room assignments, through inspections, and turndown service.

### **HS216 HUMAN RESORCE MANAGEMENT (3)**

This course is an introduction on managing the important human resources who provide services within a hospitality operation. Students will learn the latest strategies for attracting employees, minimizing turnover, and maximizing productivity. Topics include organizational culture and social responsibility issues, including what companies are doing (and not doing) right. Course Offering: As needed. Prerequisites: HS150

#### **Student Learning Outcomes (SLOs):**

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

1. Describe and list major areas of equal employment opportunity laws and its implication for hospitality human resources.
2. Discuss planning and recruitment for human resources needs and assess the strengths and weaknesses of different types of interview approaches.
3. Describe the steps and identify options for establishing pay structures.
4. Explain the proper use of discipline in a hospitality organization.

### **HS217 HOTEL SECURITY MANAGEMENT (3)**

This course explains the issues surrounding the need for individualized hotel security programs, examines a wide variety of security and safety equipment and procedures, discusses guest protection and internal security for asset protection, explores risk management and loss prevention issues, and outlines OSHA regulations that apply to lodging properties. Course Offering: As needed. Prerequisite: HS150, EN110 or Department Chair approval.

#### **Student Learning Outcomes (SLOs):**

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

1. Discuss the security and safety responsibilities of hotels.
2. Explain the key issues in developing and setting up a hotel security program.
3. Identify strategies for managing employee safety and demonstrate how a hotel can establish a safety committee.

### **HS218 FACILITIES MANAGEMENT (3)**

Hospitality Facilities Management details how to keep every area of a hotel property running smoothly. The course takes a systems approach to hospitality facilities issues, while also providing a summary based on functional spaces within a property. Learn how technology can streamline operations procedures, how to balance environmental concerns with guest satisfaction, and how to communicate effectively with hotel property facilities and maintenance personnel. Course Offering: As needed.

Prerequisites: HS 150

**Student Learning Outcomes (SLOs):**

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

1. Describe the role of property operations, maintenance, and energy conservation in hotel operations.
2. List all major facility systems in a property.
3. Discuss building designs and renovation plans and their impact on hotel operations.

**HS219 TRAINING & DEVELOPMENT IN THE HOSPITALITY INDUSTRY (3)**

This course provides a comprehensive overview of hospitality training and development by addressing how to assess and analyze training needs, design, implement, and evaluate training programs. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Identify and describe required techniques and knowledge to manage hospitality industry human resource efficiently and effectively.
2. Design and evaluate various training programs

**HS222 PLANNING AND CONTROL FOR FOOD & BEVERAGE OPERATIONS (3)**

This course emphasizes the control processes used to reduce costs in the food and beverage operations. It explores how planning and control functions can help operations work more efficiently, compete for market share and provide value to guests. Course offering: Fall only. Prerequisite: HS155, HS140

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate how to use standard purchase specifications, standard recipes and determine standard yields.
2. Calculate a base selling price for menu items using different pricing methods.
3. Describe revenue control procedures of a typical food and beverage operation.

**HS254 HOSPITALITY & TRAVEL MARKETING (3)**

This course examines the hospitality and travel marketing system. Students will learn the different types and roles of hospitality and travel industry organizations, how marketing applies to different travel components and various departments of a hospitality organization. Topics such as core principles of marketing, marketing approaches, strategic and tactical marketing, marketing research and analysis, marketing strategy, and marketing plan development, and methods to effectively implement and control as well as evaluate the marketing plan will be covered. Course Offering: As needed. Prerequisite: HS150 or DC approval.

**Student Learning Outcomes (SLOs):**

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

1. Explain the core principles of marketing and their application to the Hospitality and Travel components of the tourism industry.
2. Conduct marketing research by developing a survey relevant to the chosen topic.
3. Create and present a Marketing Plan of their choice.

**HS255 AIRLINE MANAGEMENT (3)**

This course provides an understanding of the underlying marketing, operational and financial priorities that influence airline viability. Through project-based learning, students will analyze marketing and operation strategies employed by airline companies and how these strategies impact passenger service. Course Offering: As Needed. Prerequisite: HS150 or DC approval.

**Student Learning Outcomes (SLOs):**

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

1. Explain business and marketing strategies used by airline companies.
2. Compare and contrast customers in the business air travel and leisure travel market.
3. Analyze operation strategies employed by airline companies.

**HS238 GARDE MANGER/COLD FOOD PANTRY (4)**

An introduction into the preparation of cold entrees, salads, pates, aspics, and terrines. Carving of fruits and vegetables and the techniques of platter design and prepare the student for buffet presentations and culinary competitions. Course offering: As needed. Prerequisites: HS245 and HS237

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate positive work ethics required of them using practical recipes in garde manger for the production of cold food preparations, salads, dressings, appetizers and hors d'oeuvres for impressive plate presentations that incorporate techniques that utilize the tools that are needed in garde manger.

2. Perform skills and tasks associated in garde manger through skill development and application of techniques under pressures associated with the demands in a professional garde manger kitchen after completion of this course.
3. Interpret the fundamentals of garde manger, as emphasis will be placed on the preparation and presentation of the different varieties of cold food preparations, salads, dressings, appetizers and hors d'oeuvres, and application of the importance of mise en place and culinary terms used in garde manger.

#### **HS254 HOSPITALITY & TRAVEL MARKETING (4)**

This course examines the hospitality and travel marketing system. Students will learn the different types and roles of hospitality and travel industry organizations, how marketing applies to different travel components and various departments of a hospitality organization. Topics such as core principles of marketing, marketing approaches, strategic and tactical marketing, marketing research and analysis, marketing strategy, and marketing plan development, and methods to effectively implement and control as well as evaluate the marketing plan will be covered. Course offering: As needed. Prerequisite: HS150 or DC approval.

##### **Student Learning Outcomes (SLOs):**

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

1. Explain the core principles of marketing and their application to the Hospitality and Travel components of the tourism industry.
2. Conduct marketing research by developing a survey relevant to the chosen topic.
3. Create and present a Marketing Plan of their choice.

#### **HS255 AIRLINE MANAGEMENT (3)**

This course provides an understanding of the underlying marketing, operational and financial priorities that influence airline viability. Through project-based learning, students will analyze marketing and operation strategies employed by airline companies and how these strategies impact passenger service. Course Offering: As needed. Prerequisite: HS150 or DC approval.

##### **Student Learning Outcomes (SLOs):**

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

1. Explain business and marketing strategies used by airline companies.
2. Compare and contrast customers in the business air travel and leisure travel market.
3. Analyze operation strategies employed by airline companies.

#### **HS257 PRINCIPLES OF TOUR GUIDING (3)**

This course prepares students to become professional tour guides. Students will learn the principles of tour guiding and knowledge about Guam's history and culture. Students will visit Guam's historic and scenic sites and perform the role of tour guides. Course Offering: Fall and Spring semester.

##### **Student Learning Outcomes (SLOs):**

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

1. Manage tour groups and keep them safe.
2. Explain the importance of customer service.
3. Apply public speaking techniques to describe historic and scenic sites.

#### **HS260 THE TRAVEL PROFESSIONAL (3)**

This course will be a guide to becoming a "Travel Professional." The training will include career opportunities, domestic & international travel, marketing and selling of other travel products, niche markets, types of travelers, and the role of the travel professional in the world of the new century. Course offering: Spring only. Prerequisite: HS251A

##### **Student Learning Outcomes (SLOs):**

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

1. Demonstrate knowledge of the similarities and differences of domestic and international travel and its impact on the traveler.
2. Plan and execute an itinerary to include necessary documentation to fit the needs of the travelers and their destination.
3. Demonstrate the proper attitude and commitment to excellence in marketing, selling and customer service through the use of a variety of technologies.

#### **HS270 RESTAURANT HUMAN RESOURCES MANAGEMENT (3)**

This course introduces students to key functions of human resource management: recruitment, selection, retention, performance appraisal, compensation, and labor relations. Human resource management concepts and practices are learned through case studies, application exercises, and field project exercises. Successful course completers will obtain the National Restaurant Association ManageFirst® course certificate, which signify student achievement of competencies. Students must pass ManageFirst® course exam administered at the end of the course to earn the ManageFirst® course certificate. Course Offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Create a handbook of human resources management and supervision information.
2. Explain the importance of good human resources management practices.
3. Summarize activities involved in managing and evaluating employee performance.

**HS265 ECO TOURISM (3)**

This course will describe eco-tourism, as a form of tourism that fosters learning experiences and appreciation of the natural environment within a region or a culture. It will offer the student an insight to eco-tourism and how it supports a socio-cultural industry that is sustainable, enhances a destination and promotes businesses of an ecotourism nature. Course offering: Spring only

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate eco-tourism as an environmentally focused, responsible and sustainable type of tourism.
2. Match the type of eco-tourism: nature based, cultural, adventure and/or alternative to the eco-traveler.
3. Explain career opportunities in the eco-tourism field and how best to use this training to become a travel professional of the new century.

**HS266 INTERNATIONAL HOTELS: DEVELOPMENT AND MANAGEMENT (3)**

This course prepares students for leadership roles in tomorrow's worldwide lodging industry. Future international hotel managers will need a fuller understanding and deeper appreciation of management and marketing applications within a globalized context. Course offering: As needed. Prerequisites: HS150

**Student Learning Outcomes (SLOs):**

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

1. Describe the phases of hotel development and the criteria for selecting a location for an international hotel.
2. Explain the qualities required for a manager in an international hotel and the importance of understanding cultural diversity.
3. Cite the future growth of international hotels in the era of globalization.

**HS267 LEADERSHIP & MANAGEMENT IN HOSPITALITY (3)**

This course introduces students to leadership and management issues in the hospitality industry. Students will explore how motivation works and focus on how leaders can better create a motivating environment for everyone in the organization. Course offering: Fall or Spring. Prerequisites: HS150

**Student Learning Outcomes (SLOs):**

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

1. Describe how a hospitality manager is a change agent for the organization.
2. Create a personal vision statement after analyzing skills, interests, values, and personality types.
3. Discuss the importance of high-performance teams in the hospitality industry.
4. Describe the four fundamental steps of a continuous-improvement process.

**HS270 RESTAURANT HUMAN RESOURCES MANAGEMENT (3)**

This course introduces students to key functions of human resource management: recruitment, selection, retention, performance appraisal, compensation, and labor relations. Human resource management concepts and practices are learned through case studies, application exercises, and field project exercises. Successful course completers will obtain the National Restaurant Association ManageFirst® course certificate, which signify student achievement of competencies. Students must pass ManageFirst® course exam administered at the end of the course to earn the ManageFirst® course certificate. Course Offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Create a handbook of human resources management and supervision information.
2. Explain the importance of good human resources management practices.
3. Summarize activities involved in managing and evaluating employee performance.

**HS278 FUNDAMENTALS OF DESTINATION MANAGEMENT AND MARKETING (3)**

Destination management is a rapidly developing field with many opportunities for students to learn about the destination and its integral role in the tourism and travel industry network. All aspects of destination marketing organization operations are covered, including service, research, product development, human resources, and financial management. This course also develops awareness of how local and regional destination organizations function from a governmental and private sector perspective. Course offering: Fall or Spring. Prerequisites: HS150

**Student Learning Outcomes (SLOs):**

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

1. Explain the relationship between a destination management organization and the private sector.
2. Develop a familiarization tour that promotes the travel products of a destination.
3. Develop a Marketing Plan for a destination.

**HS292 HOSPITALITY INDUSTRY MANAGEMENT PRACTICUM (3)**

This course provides students with the opportunity to apply their knowledge and skills while working in the Hospitality Industry. Course offering: As needed. Prerequisite: Completion of all technical requirements and area of concentration requirements or by permission

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate their knowledge, skills, and attitudes by analyzing, solving, evaluating and completing the requirements set by their Practicum experience.
2. Demonstrate knowledge of the similarities and differences of domestic and international travel and its impact on the traveler.
3. Plan and execute an itinerary to include necessary documentation to fit the needs of the travelers and their destination.
4. Demonstrate the proper attitude and commitment to excellence in marketing, selling and customer service through the use of a variety of technologies.

**HS292A HOTEL OPERATIONS AND MANAGEMENT PRACTICUM (6)**

This course provides students with the opportunity to apply their knowledge and skills in a 600 hour practicum in the Hospitality and Lodging industry. This course is divided into two, 300 hour, practicum sessions. The practicum will consist of practicum experience at the hotel's front of the house departments as well as experience the back of the house departments as an overview in hotel management. Course offering: Fall, Spring, & Summer. Prerequisite: Completion of all core and technical requirements in area of concentration or by permission. This is a capstone course.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate knowledge, skills, and attitudes by applying the system approach method to analyze, evaluate, solve, and complete the requirements set by their Practicum experience.
2. Demonstrate the ability to complete a hotel standard operating procedure manual for a selected department approved by the Practicum instructor and Program advisor.
3. Apply the knowledge gained and skills achieved through Practicum experience.

**HS292B FOOD & BEVERAGE MANAGEMENT PRACTICUM (6)**

This course provides students with the opportunity to apply their knowledge and skills in a 600 hour practicum in the Food & Beverage industry. The Practicum is divided into four, 150 hour, work-site practicums. The practicum site may include, but is not limited to, assignment in Fast Food, Fine Dining, Buffet and Banquet to experience and have actual hands-on experience in a variety of F&B operations. Course offering: As needed. Prerequisite: Completion of F&B Core and Technical Courses.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate knowledge, skills, and professionalism by applying the system approach method to analyze, evaluate, solve, and complete the requirements set by their Practicum experience.
2. Distinguish the role and importance of good management and supervision in the food & beverage worksite.
3. Demonstrate the aptitude to develop a comprehensive restaurant operating procedure manual.

**HS293 CULINARY PRACTICUM (6)**

This course provides students with the opportunity to implement their knowledge and skills through "hands-on" experiences. Allowing for experimentation and creative expression, the students will be placed for a minimum of 600 clock hours of work in a variety of culinary environments. Course offering: As needed. Prerequisite: Completion of all technical requirements and area of concentration requirements

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate positive work ethic in an enthusiastic manner through team work in a professional kitchen, and to work at constant speed on tasks as time permits.
2. Perform skills and tasks with minimal supervision established through skill development and application of techniques under pressures associated with the demands in a professional kitchen.
3. Interpret the duties as assigned by the supervisor in charge relevant to the competency requirements adhering to all safety regulations. (Emphasis will be placed on the preparation and maintenance of a clean and neat work area at the end of the work schedule in a professional kitchen.)

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**HU** | **HUMANITIES**


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**HU120 PACIFIC CULTURES (3)**

Pacific Cultures takes a look at the exploration of the Pacific peoples and their diverse cultural and biological heritages. The course provides a comprehensive survey about Pacific Island cultures. The course further examines the first migrations of indigenous navigators through the age of European exploration and colonialism, as well as exploring the unique cultural configurations of ritual practice, cosmology, and society Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Describe the culture, economy, and politics of the island nations and territories.
2. Compare and contrast various Pacific Island cultures.
3. Explain relevant sociological concepts as it applies to decolonization efforts to transform Pacific Island regional development and modernization.

**HU220 GUAM CULTURES & LEGENDS (3)**

This course covers Guam's cultural development and conflicts. Cultural environments both past and present are explored. Emphasis is made on the study of Chamorro culture through folklore. Students will learn the effect, cultural interchange that will enable them to answer specific questions from visitors with a more accurate and deeper explanation. Formerly HU125. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Develop an understanding of the basic principles and theories of the origin of the Chamorro people and their culture.
2. Develop a deeper understanding and appreciation of the Chamorro people and their culture.

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**IN** | **INTERPRETING**


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**IN145 VOCABULARY DEVELOPMENT (3)**

This course provides students with information and instruction to develop skills aimed at increasing vocabulary and word choice repertoire for effective interpreting. This course will also include the study of how language is culturally based, the effects of culture on intercultural communication and possible cultural conflicts. Course Offering: As needed. Prerequisites: ASL 110

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate critical thinking and appropriate responses in any social context using local, national and global vocabulary skills.
2. Improve and expand vocabulary in ASL conversation to include the use of idioms, common expressions, and other figures of speech.
3. Develop strategies and word choice repertoire to facilitate effective interpreting.

**IN170 INTRODUCTION TO INTERPRETING (3)**

This course addresses basic theory and practice of interpretation in a variety of settings. Students will be introduced to the communication process as a whole and the way messages are constructed. Information on linguistic register, cultural characteristics, ethics and professional conduct, and the modes of interpreting will be explained and discussed. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate the different types of registry and modes of interpreting.
2. Identify settings for interpreting and demonstrate appropriate skills needed to facilitate communication.
3. Adhere to a set of values or code of ethics established for interpreting.

**IN180 ECOLOGY OF DEAFNESS (3)**

This course will expand the student's knowledge of the impact of deafness on language and cognitive development and the socialization of Deaf individuals in a hearing world. Students will also be acquainted with characteristics of Deaf culture. Course Offering: Fall semester only.

**Student Learning Outcomes (SLOs):**

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

1. Identify the parts and function of the ear and be able to decipher an audiogram.
2. Explain the difference between "DEAF" and "deaf" persons.
3. Explain cognitive development as it relates to typical language development.

**IN220 VOICE TO SIGN INTERPRETING (3)**

The course will acquaint students with a basic understanding of what interpreting entails. This course focuses on building expressive interpreting skills such as assisting students in developing voice to sign interpreting skills and strengthening processing skills. Theoretical components and principles are also covered, including strategies for effective receptive listening. Course offering: As needed. Prerequisites: ASL100, IN170

**Student Learning Outcomes (SLOs):**

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

1. Interpret spoken English into American Sign Language.
2. Demonstrate skills necessary for both consecutive and simultaneous interpretation.
3. Explain the dynamics of voice to sign language interpreting.
4. Demonstrate beginning proficiency skills as a sign language interpreter of the Deaf Community.

**IN230 SIGN TO VOICE INTERPRETING (3)**

The course will acquaint students with a basic understanding of what interpreting entails. This course focuses on building expressive interpreting skills such as assisting students in developing voice to sign interpreting skills and strengthening processing skills. Theoretical components and principles are also covered, including strategies for effective receptive listening. Course offering: Fall only. Prerequisites: IN170

**Student Learning Outcomes (SLOs):**

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

1. Fluently interpret American Sign Language into spoken English.
2. Demonstrate skills necessary for both consecutive and simultaneous interpretation.
3. Explain the dynamics of sign to voice language interpreting.
4. Demonstrate beginning proficiency skills as a sign language interpreter of the Deaf Community.

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**JA JAPANESE LANGUAGE**


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**JA108 SPEAK JAPANESE FOR TOURISM (4)**

This course provides basic Japanese conversational skills especially for individuals with direct contact with Japanese nationals. Emphasis of the course is on listening and speaking skills including phrases for retail and hotel and restaurant environments. This course is ideal for anyone interested in basic Japanese conversation. Course offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Synthesize and comprehend simple spoken conversations.
2. Orally communicate simple Japanese information necessary for everyday life situations.
3. Demonstrate Japanese etiquette through simple language and non-verbal behavior.

**JA110 BEGINNING JAPANESE I (4)**

This course gives students basic Japanese language skills needed in real-life situations for varying communicative purposes. Language activities provide practice in listening, speaking, reading and writing, and reinforce vocabulary, grammar and language functions. Students learn to read and write Hiragana, and to identify Katakana and select Kanji characters. Cultural aspects of Japan are also discussed to better understand the target language. Course offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Comprehend simple spoken conversations.
2. Communicate orally in a limited variety of everyday situations using basic Japanese.
3. Comprehend short, simple sentences written in Japanese.
4. Identify and write Hiragana, and identify Katakana and 24 Kanji characters.

**JA111 BEGINNING JAPANESE II (4)**

A continuation of Beginning Japanese I, this course provides learners with language necessary for meaningful communicative interaction. Language functions and structures are practiced and applied to real-life situations through role-play, and pair/group tasks, and with a variety of audio, visual and computer activities. Listening and speaking skills are emphasized, with further practice in the reading of Hiragana, Katakana and Kanji. Cultural aspects of Japan are also discussed to better understand the target language. Course offering: As needed. Prerequisite: JA110 or permission from instructor.

**Student Learning Outcomes (SLOs):**

Upon completion of this course, students will be able to:

1. Comprehend additional simple spoken conversations.
2. Communicate orally in a variety of everyday situations using basic Japanese.
3. Comprehend additional short, simple sentences written in Japanese.
4. Identify and write Hiragana and Katakana, and identify an additional 75 Kanji characters.

### **JA210 INTERMEDIATE JAPANESE I (3)**

This second year Japanese language course teaches intermediate language skills needed for real life situations, through meaningful, communicative, interactive activities. It expands on the language base created in Beginning Japanese I and II with complex language structures and additional functions. Learners experience the language and culture in a variety of activities as role-play and games, video-viewing and discussions, and through computer and internet projects. Course Offering: As needed. Course offering: As needed. Prerequisite: JA111

#### **Student Learning Outcomes (SLOs):**

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

1. Comprehend oral and written narrations and conversations in low-intermediate Japanese.
2. Communicate orally in everyday situations using low- intermediate Japanese.
3. Write short narrations and conversations using limited complex structures.
4. Identify approximately 50 Kanji characters.

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## **KE KOREAN LANGUAGE**

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### **KE110 BEGINNING KOREAN I (3)**

This course is an introductory course in the Korean language. Students will develop language skills in pronunciation, basic grammar, reading, and writing. The course covers grammatical structures and vocabulary that is necessary for basic conversation geared to developing a solid foundation in the Korean language and insights in the culture. Course offering: As needed

#### **Student Learning Outcomes (SLOs)**

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

1. Demonstrate basic understanding of Korean culture and social norms.
2. Read and comprehend simple Korean language sentences and be able to answer appropriately in the correct contexts.
3. Demonstrate ability to have simple conversations in Korean using culturally acceptable expressions.

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## **MA MATHEMATICS**

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### **AEMA050 Algebra I (3)**

This course is the first of two general mathematics courses designed to prepare students for college level mathematics courses or to have basic mathematical skills to succeed in the workplace. The Adult High School mathematics courses follow the College and Career Readiness Standards (CCRS) for Adult Education. The three shifts by CCRS (focus, coherence, and rigor) ensure that students understand and apply mathematical ideas. Course Offering: As needed

#### **Student Learning Outcomes (SLOs):**

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

1. Interpret the structure of expressions. (A.SSE.1)
2. Write expressions in equivalent forms to solve problems. (A.SSE.3)
3. Perform arithmetic operations on polynomials. (A.APR.1)
4. Create equations that describe numbers or relationships. (A.CED.1)
5. Solve equations as a process of reasoning. (A.REI.1)

### **AEMA060 Geometry (3)**

As one of the three mathematics courses, AEMA60 Geometry is designed to prepare students for college level mathematics courses or to have basic mathematical skills to succeed in the workplace. Topics include Expressing Geometric Properties with Equations, Congruence, Similarity, Right Triangles, Geometric Measurement and Dimension and Circles. The Adult High School mathematics courses follow the College and Career Readiness Standards (CCRS) for Adult Education. The three shifts by CCRS (focus, coherence, and rigor) ensures that students understand and apply mathematical ideas. Course Offering: As needed. Prerequisite: AEMA050

#### **Student Learning Outcomes (SLOs):**

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

1. Experiment with transformations in the plane and develop definitions of rotations, reflections, and translations in terms of angles, circles, perpendicular lines, parallel lines, and line segments. (G.CO.1)



2. Make formal geometric constructions such as copying and bisecting a segment, copying and bisecting an angle, constructing perpendicular lines, including the perpendicular bisector of a line segment with a variety of tools and methods. (G.SRT.5)
3. Prove geometric theorems, theorems involving similarity and applying these theorems to solve problems. (G.MG.2)

**AEMA070 Algebra II (3)**

This is a continuation of the AEMA 50 Algebra 1. Topics include: Linear Equations, Linear Functions and Their Graphs, Quadratic Functions, Exponential and Logarithmic Functions, Polynomials and Polynomial Functions, Radicals and Radical Functions, Rational Functions, Systems of Linear Equations, and Arithmetic and Geometric Sequences. Course offering: Fall and Spring.

This course is the third of three general mathematics courses designed to prepare students for college level mathematics courses or to have basic mathematical skills to succeed in the workplace. The Adult High School mathematics courses follow the College and Career Readiness Standards (CCRS) for Adult Education. The three shifts by CCRS (focus, coherence, and rigor) ensure that students understand and apply mathematical ideas. Course Offering: As needed. Prerequisite: A grade of C or higher in AEMA050 Algebra 1, placement test, or approval of Department Chair.

**Student Learning Outcomes (SLOs):**

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

1. Create equations that describe numbers or relationships. (A.CED.1)
2. Solve equations as a process of reasoning. (A.REI.1)
3. Interpret functions. (F.IF.1)
4. Build functions. (F.BF.1)
5. Interpret categorical and quantitative data. (S.ID.1)

**MA052 GENERAL MATHEMATICS (3)**

This course is designed to be an overview of basic mathematical operations and concepts, measurements and converting units of measurement, ratios and proportions, basics of statistical graphs, and basic algebraic concepts. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Perform basic operations involving whole numbers, fractions, decimals, and percents.
2. Solve ratios and proportion problems.
3. Perform basic operations involving measurements, including converting units of measurement.
4. Summarize basic statistical tables, graphs, and charts.
5. Apply basic algebraic concepts.

**MA057 APPLIED MATHEMATICS (3)**

Applied Mathematics is a set of modular learning materials prepared to help the Adult High School student develop and refine job-related math skills. The course includes material that focuses on arithmetic operations, problem solving techniques, estimation of answers, measurement skills, geometry, data handling, simple statistics, and the use of algebraic formulas to solve problems. The emphasis is on the ability to understand and apply functional mathematics to solve problems, with the help of technology, in the world of work. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Use technology to find solutions to given mathematical problems.
2. Apply ratios and proportions in problem solving.
3. Solve problems involving measurement.
4. Solve basic perimeter, area, and volume problems.

**MA065 ADULT MATHEMATICS (3)**

This course is designed to be an overview of several basic mathematical operations and concepts involving Real Numbers, Order of Operation, Basic Algebra, Measurement, Word Problems, Basic Statistics, Geometry, and Graphing. This course prepares students for General Education Development Testing Program (G.E.D) and the further learning of Algebra. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Perform basic operation involving whole numbers, fractions, decimals, and percents.
2. Solve ratios, rates, and proportion problems.
3. Perform conversions among Units of Measure.
4. Understand basic statistical terms, tables, and charts.
5. Learn and apply basic algebraic concepts.

**MA070 ALGEBRA I (3)**

This course is designed as a first course in Algebra. Emphasis on the following basic algebraic topics: working with real numbers, variable expression, general equations, polynomials, factoring, rational expressions, rectangular coordinates, linear equations and inequalities in two variables and graphs of linear equations and inequalities. The use of technology in the study of various topics is also emphasized. Course offering: As needed. Prerequisite: Pass with a B or better in MA052 or equivalent high school course.

**Student Learning Outcomes (SLOs):**

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

1. Perform basic operations involving integers, rational numbers, exponents and variable expressions.
2. Translate or solve literal equations and word problems.
3. Perform basic operations involving polynomial expressions including factoring
4. Simplify or solve expressions and equations involving rationals or radicals.
5. Understand and apply the concepts related to equations of lines and their graphs.

**MA085 FUNDAMENTALS OF MATHEMATICS (3)**

This course is designed to provide students with basic mathematical skills needed in the career and technical fields. This course will integrate computer technology with classroom instruction. Classroom instruction will comprise of traditional and active-learning strategies. Topics for this course include operations with whole numbers, fractions, decimals, ratios, proportions, and percents. Formerly MA100. Course offering: As needed. Prerequisite: Placement test.

**Student Learning Outcomes (SLOs):**

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

1. Compute whole numbers, fractions, decimals, and percentages.
2. Identify and set up a ratio or proportion.
3. Solve proportions, equations, and word problems.
4. Evaluate and simplify expressions.
5. Develop the prerequisite skills for post-secondary math courses.

**MA095 PRE-COLLEGE MATHEMATICS (4)**

This course is a continuation of MA085 and is designed to provide students with basic mathematical skills needed in the trade and technical fields. Topics include operations with fractions, percentage, units of measurement, basic geometry, basic statistics, real numbers, order of operations, simple algebraic expressions, solving equations, and inequalities in one variable, plotting points on the Cartesian coordinate system, and problem solving. Course offering: As needed. Prerequisite: Placement test or satisfactory completion of MA085

**Student Learning Outcomes (SLOs):**

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

1. Work with operations involving real numbers both rational and irrational, even with units of measurement.
2. Simplify or solve elementary algebraic expressions, proportions, equations, and word-problems.
3. Identify and apply basic geometric properties and concepts.
4. Summarize a set of data by finding the mean, median, mode, and range.
5. Graph points and lines.

**MA107 MATHEMATICS FOR THE TRADES (4)**

This course is especially designed for students seeking a Certificate in Automotive, Allied Health, and Construction Trades programs, as well as other technical and occupational areas. This course focuses on fundamental concepts of Arithmetic, Algebra, Geometry, and Trigonometry supported with practical applications in a variety of technical and career vocations, including but not limited to Automotive, Allied Health, and Construction Trades. It is especially designed for students who find math challenging and for adults who have been out of school for a time. The course helps students to master the needed on-the-job math skills by a wide variety of real problems and situations. Course offering: As needed

**Student Learning Outcomes (SLOS)**

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

1. Identify numbers and perform arithmetic operations accurately.
2. Perform mathematical computations with ratios and percentages.
3. Apply measurements with both US and Metric Systems.
4. Read and interpret information from basic statistical graphs.
5. Solve application problems with basic algebraic skills and equations.

**MA108 INTRODUCTION TO COLLEGE ALGEBRA (3)**

This course is a continuation of MA095 and is designed to provide students with basic Algebraic skills needed in the career and

technical fields and the background necessary for advancement in mathematics. Topics include Real Number system and operation, fundamental operations and factorization of polynomials, introduction to equations and inequalities, rational expressions including exponents, radicals, quadratic equations and quadratic formula, and applications. Formerly MA110. Course offering: Fall and Spring. Prerequisite: Placement test or successful completion of MA095

**Student Learning Outcomes (SLOs):**

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

1. Solve and graph linear equations and inequalities.
2. Simplify and solve rational expressions and equations.
3. Solve quadratic equations using the following methods: factoring, completing the square, and the quadratic formula.

**MA110A FINITE MATHEMATICS (3)**

This is a continuation of the MA108. Topics include: Elementary Functions, Linear Equations, Polynomial Functions, Quadratic Functions, Exponential and Logarithmic functions, Systems of Linear Equations and Inequalities, including Matrix Equations, Matrices and Determinants, and Mathematics of Finance. Course offering: Fall and Spring. Prerequisites: Successful completion of MA108 with a "C" or better, placement into MA110A, or approval of Department Chair.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate understanding of key theories and concepts, applying them to solve questions selected from the following topics: functions and their graphs, linear and quadratic equations, matrices, linear programming, and financial mathematics.
2. Solve problems in Finite Mathematics by completing daily homework assignments in problem solving.
3. Solve problems using appropriate technology translating problem from one form to another, using various problem solving strategies.
4. Think critically about Finite Mathematics by applying key theories, concepts, and methods of inquiry in Finite Mathematics to novel problems, to other disciplines, and to situations that require understanding rather than rote memory.

**MA161A COLLEGE ALGEBRA & TRIGONOMETRY I (4)**

This course is the first of two courses designed to provide the mathematical tools needed by students enrolled in selected technical occupational programs. Topics included in this course are equations and inequalities, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, and systems of linear equations and inequalities with matrices. Formerly MA121. Course Offering: As needed. Prerequisites: Successful completion of MA110A with a grade of "C" or better, MA108 with a grade of "B" or better or placement.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate methods for solving basic linear and polynomial equations and inequalities.
2. Determine the graphical and algebraic characteristics of polynomial, rational, exponential, logarithmic, and other functions and their graphs.
3. Perform alternative methods in solving systems of linear equations and inequalities graphically and algebraically.

**MA161B COLLEGE ALGEBRA & TRIGONOMETRY II (4)**

This course is a continuation of MA161A and upon successful completion, a student will be calculus ready. Topics included in this course are trigonometric functions, trigonometric identities and equations, and applications of trigonometry and discrete algebra. Formerly MA122. Course Offering: As needed. Prerequisite: Successful completion of MA161A with a "C" or better.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate understanding of the trigonometric concepts to solve trigonometry exercises and equations.
2. Determine which definition, concept, and identity should be implemented to find solutions to application problems.
3. Apply basic mathematical concepts and methods involving the concept of sequences, counting processes, probability and mathematical induction.

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**ME AUTOMOTIVE**

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**ME161A INTRODUCTION TO AUTOBODY REPAIR (3)**

This is an introductory course covering the basic concepts and practices in repairing damage to automobile bodies. Hand tools, power tools, materials, welding and their applications are stressed. Emphasis is on small dent repair and rust patching. Course offering: Fall only

**Student Learning Outcomes (SLOs):**

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

1. Follow shop safety procedures.
2. Prepare auto body components for repair.
3. Inspect, remove, replace and repair outer body panels.
4. Weld and cut various metals using GMAW (mig) and Gas welding equipment.

**ME161B INTRODUCTION TO AUTOBODY PAINTING (3)**

This course is an introductory course covering the basic concepts and practices in partial and complete refinishing of auto body paint surfaces. Application and trouble shooting are stressed. Emphasis is placed on preparing the automobile for proper refinishing. Course offering: As Needed

**Student Learning Outcomes (SLOs):**

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

1. Perform corrosion protection restoration, sound deadening restoration and panel bonding.
2. Perform metal finishing and body filling procedures.
3. Inspect, remove, reinstall or replace, and align movable glass and hardware.
4. Perform repairs involving plastics and adhesives.

**ME171A AUTOBODY COLLISION REPAIR (3)**

This is an advanced auto body course that deals with repairing damage due to collision. Frame straightening and auto body repairs will be covered. Power equipment usage, glass replacement, shop operations, management and refinement of skills learned in prior courses will be stressed. Emphasis is on collision damage repair. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Follow painting and refinishing safety precautions.
2. Prepare surfaces for painting and refinishing.
3. Use a paint spray gun and related equipment.

**ME171B AUTOBODY REFINISHING (3)**

This is an advanced auto body course that deals with overall auto body painting. Refinement of skills learned in the prior course such as surface preparations and spot work will be stressed. Emphasis will be placed on complete paint jobs. Course offering: Fall only

**Student Learning Outcomes (SLOs):**

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

1. Mix, match, and apply paint.
2. Identify and correct paint defects.
3. Perform final detail procedures.

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**MHT****MEDIUM/HEAVY TRUCK**

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**MHT100A INTRO TO DIESEL TECHNOLOGY AND PREVENTIVE MAINTENANCE PART I (3)**

This is the first of a two part introductory course that prepares students for study within specific areas of Medium/Heavy Truck Diesel Technology. Topics covered include workshop safety practices, proper usage of hand tools, special tools and testing equipment, and preventive maintenance procedures on diesel engines, fuel systems, air induction and exhaust systems. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate proper workshop safety practices.
2. Identify, describe and demonstrate the proper usage of hand tools, special tools, and testing equipment.
3. Perform preventive maintenance procedures on diesel engines, fuel systems, air induction, and exhaust systems.

**MHT100B INTRO TO DIESEL TECHNOLOGY AND PREVENTIVE MAINTENANCE PART II (3)**

This is the second of a two part introductory course that prepares students for study within specific areas of Medium/Heavy Truck & Diesel Technology. The course focuses on preventive maintenance procedures involving the cooling system, lubrication systems, cab and hood, safety equipment, hardware, Heating Ventilation & Air Conditioning (HVAC), electrical/electronics, charging systems, lighting systems. frame and chassis, hydraulic brakes, drive trains, suspension & steering systems, tires & wheels, and frame with fifth wheel. Course offering: As needed. Prerequisite: MHT100A

**Student Learning Outcomes (SLOs):**

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

1. Execute preventive maintenance procedures on cooling systems, lubrication systems, cab and hood.
2. Carry out preventive maintenance procedures on safety equipment, hardware, heating ventilation & air conditioning (HVAC), electrical/electronics, charging systems, lighting systems, frame and chassis
3. Perform preventive maintenance procedures on hydraulic brakes, drive trains, suspension & steering systems, tires & wheels, and frame with fifth wheel.

**MHT110 DIESEL ENGINES PART I (3)**

This course introduces students to the theory and operation of diesel engines that includes general engine diagnostics, minor diagnosis and repair of cylinder head and valve train, engine block, lubrication system, and cooling system. Formerly ME196A. Course offering: As needed. Prerequisites: MHT100A & MHT100B

**Student Learning Outcomes (SLOs):**

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

1. Explain general diesel engine operation and perform basic engine troubleshooting and repair.
2. Demonstrate cylinder head and valve train diagnostics and repair.
3. Expound engine block diagnostics and repair
4. Identify lubrication system components and diagnose and repair minor problems.
5. Name the major parts and explain the functions of the cooling system and execute minor diagnostic and repair procedures.

**MHT120 MEDIUM/HEAVY TRUCK DRIVE TRAINS PART I (3)**

This is an introductory course covering the functionality of diesel transmissions, fundamentals of diesel clutches, troubleshooting, and repair of basic transmission drivability faults. Formerly ME193. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Describe clutch operation.
2. Discuss diesel transmission functionality.
3. Troubleshoot elemental transmission drivability problems and repair elemental faults.

**MHT130 BRAKE SYSTEMS PART I (3)**

This course provides instruction in Medium/Heavy Truck Brakes that includes basic diagnosis & repair of air supply and service systems, mechanical/foundation systems, and parking brakes. Course offering: As needed. Prerequisites: MHT100A & MHT100B

**Student Learning Outcomes (SLOs):**

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

1. Depict air supply and service systems operation.
2. Identify mechanical/foundation system components and perform minor repairs.
3. Explain parking brake operation.

**MHT140 SUSPENSION & STEERING PART I (3)**

This is a study of elements in Medium/Heavy Truck Suspension & Steering that include introductory level steering system functions, diagnostics, and repair; suspension system functions, diagnostics, and repair; and wheel alignment diagnosis, adjustment, and repair. Formerly ME192. Course offering: As needed. Prerequisites: MHT100A & MHT100B

**Student Learning Outcomes (SLOs):**

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

1. Differentiate between different steering system designs and explain their functions.
2. Identify suspension system components and discuss basic functionality.
3. Perform wheel alignment diagnosis, adjustment, and repair.

**MHT150 MEDIUM/HEAVY TRUCK HEATING, VENTILATION, & AIR CONDITIONING (3)**

This course gives students basic instruction in Medium/Heavy Truck Heating Ventilation & Air Conditioning (HVAC) that include HVAC systems diagnosis, service, and repair, general A/C system diagnosis, service, and repair, A/C compressor and clutch, diagnosis, service, and repair, and evaporator, condenser, and related components, diagnosis, service, and repair. Course offering: As needed. Prerequisites: MHT100A & MHT100B

**Student Learning Outcomes (SLOs):**

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

1. Depict basic HVAC system operation.
2. Troubleshoot general A/C system malfunctions.
3. Explain A/C compressor and clutch operation and perform basic repairs.

- Describe evaporator, condenser, and related components' functionality.

#### **MHT160 HYDRAULICS (3)**

This course provides students with fundamental instruction in Medium/Heavy Truck Hydraulic Systems that include entry level general hydraulic system diagnosis, service, and repair, hydraulic system pump diagnosis, service, and repair; and filtration/reservoirs (tanks) diagnosis, service, and repair. Course offering: As needed. Prerequisites: MHT100A & MHT100B

##### **Student Learning Outcomes (SLOs):**

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

- Recognize general hydraulic system components and carry out entry level diagnosis, service, and repair.
- Ascertain basic hydraulic system failures and perform preliminary pump diagnosis, service, and repair.
- Perform fundamental filtration/reservoirs (tanks) diagnosis, service, and repair.

#### **MHT170 MEDIUM/HEAVY TRUCK ELECTRICAL/ELECTRONIC SYSTEMS PART I (3)**

This course is designed to give students an elemental understanding of Medium/Heavy Truck Electrical/Electronic Systems that include general electrical systems diagnosis, battery diagnosis and repair, and starting system diagnosis and repair. Formerly ME194. Course offering: As needed

##### **Student Learning Outcomes (SLOs):**

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

- Perform general electrical systems diagnosis.
- Discuss battery construction and determine cause/s of battery failure.
- Demonstrate fundamental starting system diagnosis and repair.

#### **MHT210 DIESEL ENGINES PART II (3)**

This course builds on MHT110; the course of study includes air induction and exhaust systems diagnosis and repair, fuel supply system diagnosis and repair, mechanical fuel injection diagnosis and repair, electronic fuel management system diagnosis and repair, and engine brakes diagnosis and repair. Course offering: As needed. Prerequisite: MHT110

##### **Student Learning Outcomes (SLOs):**

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

- Troubleshoot intermediate level air induction and exhaust system failures and perform needed repairs.
- Diagnose, intermediate level fuel supply system failures and perform needed repairs.
- Ascertain intermediate level mechanical fuel injection faults and perform needed repairs.
- Determine intermediate level electronic fuel management system problems and perform needed repairs.
- Perform intermediate level engine brakes diagnosis and repair.

#### **MHT230 BRAKE SYSTEMS PART II (3)**

This course prepares students to perform complex diagnostics and repairs on hydraulic brakes, power assist units, and air and hydraulic Antilock Brake Systems (ABS) and Automatic Traction Control (ATC). Course offering: As needed. Prerequisite: MHT130

##### **Student Learning Outcomes (SLOs):**

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

- Ascertain hydraulic brake problem causes and rectify faults.
- Demonstrate power assist unit failure analysis and take proper steps to correct failure.
- Locate air and hydraulic Antilock Brake System (ABS) and Automatic Traction Control (ATC) faults and perform needed repairs.

#### **MHT270 MEDIUM/HEAVY TRUCK ELECTRICAL/ELECTRONIC SYSTEMS PART II (3)**

This course builds on MHT170; the course of study includes lighting systems diagnosis and repair, and the diagnosis and repair of warning devices, gauges, and related electrical systems. Course offering: As needed. Prerequisite: MHT170

##### **Student Learning Outcomes (SLOs):**

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

- Locate faults in the lighting system and correct problems.
- Pinpoint failure causes in gauges and warning devices and take proper action to correct situation.

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## **MK                      MARKETING**

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#### **MK123 PRINCIPLES OF MARKETING (3)**

This course is an overview of fundamental marketing concepts and applications in a technology-driven world. Students will learn the skills required to be successful marketers today. Formerly SM210. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Describe fundamental marketing concepts.
2. Demonstrate oral and written communication skills using technological tools in marketing.
3. Evaluate various marketing career opportunities.

**MK124 SELLING (3)**

This course includes a comprehensive range of techniques of professional selling and ethical behavior in business with both consumer and organizational sales and settings. Students will develop skills for successful selling and relationship marketing while incorporating technology into the sales process. Formerly MK220 & HS220. Course offering: As needed. Prerequisite: MK123 or permission from the Marketing Advisor. Student Learning Outcomes (SLOs):

**Student Learning Outcomes (SLOs):**

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

1. Prepare and execute a sales presentation with the use of technology.
2. Apply marketing knowledge by creating a promotional mix and pricing strategy for a product.
3. Identify and examine the components and functions of the sales management structures, process, and responsibilities..

**MK125 SOCIAL MEDIA MARKETING (3)**

Social media is not just for personal socializing anymore. It is one of the hottest trends in the marketing field right now, and is essential in today's marketing success for any business. Students will gain valuable skills in social media marketing. This course will focus on implementation of social media marketing strategies across multiple platforms, to develop a winning social media marketing plan. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Explain how the use of social media marketing can improve marketing efforts for businesses.
2. Develop a social media marketing plan, utilizing the various platforms.
3. Select the most effective social media platform for various marketing activities.

**MK205 ENTREPRENEURSHIP (3)**

This course is an overview of the role of entrepreneurial businesses and its impact on the global economy. Students will evaluate skills and commitment necessary to successfully start and maintain a business. Formerly MK221 & HS230. Course offering: As needed. Student Learning Outcomes (SLOs):

**Student Learning Outcomes (SLOs):**

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

1. Determine the characteristics and skills of a successful entrepreneur.
2. Design a business plan utilizing the latest technology.
3. Recognize the advantages and disadvantages of entrepreneurship as a career.

**MK206 RETAILING (3)**

This course covers the fundamental retailing principles, incorporating the latest trends and practices in today's fast-paced retail market. It emphasizes how retailing is constantly changing and adjusting to competitive, technological, society and consumer needs. The course includes retail planning, the retail environment, market selection and analysis, retail operation management, and retail administration among other vital elements of this constantly changing field. Formerly MK223 & HS242. Course offering: Spring semester only. Prerequisite: MK123 or Marketing Advisor's permission. Student Learning Outcomes (SLOs):

**Student Learning Outcomes (SLOs):**

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

1. Describe fundamental retailing concepts.
2. Develop a retail venture, incorporating retail planning, market selection and analysis, retail operation management, promotions, and visual merchandising strategies.
3. Respond to concepts and strategies to explore retailing career opportunities.

**MK208 INTERNATIONAL MARKETING (3)**

International Marketing is ideal for students wishing to work for multi-national corporations, particularly those operating in Asia, or students interested in taking advantage of import/export opportunities in the Pacific Region. Students will be able to analyze the global marketing environment, formulate multinational marketing strategies, and understand how goods and services move between countries. Course offering: As needed. Prerequisite: MK123 or permission from the Marketing Advisor

**Student Learning Outcomes (SLOs):**

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

1. Explain how the different market conditions, political, ethical, and legal environments impact the operations of international companies.
2. Describe import and export operations.
3. Develop promotional and distribution strategies for multinational companies.
4. Discuss the role of international agreements and organizations.

**MK224 ADVERTISING (3)**

This course takes a comprehensive view of the advertising industry. It provides an introduction to fundamentals of advertising with emphasis on the importance of Integrated Marketing Communications (IMC). Students will learn application of conceptual advertising principles and design. Formerly HS243. Course Offering: As needed. Prerequisite: MK123 or permission from the Marketing Advisor.

**Student Learning Outcomes (SLOs):**

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

1. Describe career opportunities available in advertising.
2. Develop a comprehensive and effective Advertising Plan.
3. Assess advertisements to ensure achievement of marketing communications goals/objectives.

**MK292 MARKETING PRACTICUM (3)**

This course provides students a supervised work experience where they develop skills necessary to be successful in a marketing career. In lieu of MK298, Co-op/Work-Learn, students may, with postsecondary departmental approval, choose any of the equivalent courses: a 200 level Supervision and Management course, [VC 211](#), InDesign®, [VC 141](#), Web Design, [VC 161](#), Video I, or Special Project. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Develop marketing skills in a dynamic environment.
2. Demonstrate appropriate work behavior with co-workers, clients, and supervisors.
3. Exhibit ethical behavior at work.
4. Communicate more effectively, follow directions, and handle business conflict.
5. Exhibit professionalism in the conduct of marketing.

**MS****MEDICAL ASSISTING****MS101 INTRODUCTION TO MEDICAL ASSISTING (3)**

This course provides an introduction to the Medical Assisting program. The roles of the Medical Assistant in the patient care facilities are defined as well as fundamental administrative and clinical concepts and skills. Introduction to ethical and legal considerations is also provided. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate basic knowledge of administration and clinical skills in the medical assisting field.
2. Discuss ethical legal considerations and theoretical concepts regarding patient care.
3. Classify patient coping mechanisms and communication methods.

**MS120 CLINICAL MEDICAL ASSISTING I (2)**

Students will acquire knowledge of basic ambulatory care concepts and principles necessary for the performance of back office duties. Students are provided with the knowledge of routine patient care and diagnostic procedures used to assess the health status of patients including vision testing, hearing testing, electrocardiography, and the knowledge to prepare the back office, equipment and supplies necessary to facilitate patient flow through the clinic and/or physician's office. Admission into Medical Assisting Program is required. Course offering: Fall only. Prerequisites: Admission into Medical Assisting Program, MS101 or concurrently, HL120 or concurrently. Co-requisites: MS121, MS125

**Student Learning Outcomes (SLOs):**

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

1. Assess a potentially infectious situation, and select the appropriate barrier/personal protective equipment (PPE).
2. Identify three common bone fractures and explain the common cause for each one.
3. Infer proper patient preparation using the patient's chief complaint.



**MS121 CLINICAL MEDICAL ASSISTANT LABORATORY (2)**

This course will provide the student with hands-on practice on basic ambulatory care concepts and principles necessary for the performance of back office duties. The student will practice and perform routine patient care and diagnostic procedures used to assess the health status of patients including vision testing, hearing testing, electrocardiography, and the knowledge to prepare the back office, equipment, and supplies necessary to facilitate patient flow through the clinic and/or physician's office.

Formerly MS121 Clinical Medical Assisting II Course Offering: Fall only. Prerequisites: Admission into the Medical Assisting program, MS 101 , HL 120 , HL 131 , MS 140 , MS 141 , MS 141 , MS 160 , MS 161 , MS 201 , and instructor approval. **(The Program will now require the completion of GE's required for the program and students will be put in to tracking cohorts as required by the Medical Assisting Program accreditation agencies.)** *Corequisite(s):* MS 120, MS 125.

**Student Learning Outcomes (SLOs):**

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

1. Generate a new patient record using the electronic medical record/practice management system (EMR/PM) system.
2. Analyze an electrocardiogram (EKG) tracing for common artifacts.
3. Compare patient vital signs with current normal values.

**MS125 CLINICAL OFFICE EXPERIENCE (1)**

This course provides students with the opportunity to apply in a physician's office or medical clinic the knowledge and skills gained in co-requisite courses, MS120 and MS121. Admission into the Medical Assisting Program or instructor's consent is required. Course offering: As needed. Prerequisites: Admission into the Medical Assisting Program, MS101 or concurrently, HL120 or concurrently. Co-requisites: MS120, MS121.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate in an office or clinical setting knowledge of basic medical assistant procedures.
2. Demonstrate use of interpersonal and communication skills in the clinical setting.

**MS140 ADMINISTRATIVE MEDICAL ASSISTING (2)**

This course provides the student with the theoretical concepts and principles of administrative medical office practices and procedures in the clinic and/or physician's office. The students are taught the basic skills necessary for "entry-level" proficiency in the performance of duties in the administrative or front office. Admission to the Medical Assisting Program or instructor's consent is required. Course offering: Spring only. Prerequisite: MS101 or concurrently. Co-requisites: MS141 or MS145

**Student Learning Outcomes (SLOs):**

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

1. Compose professional correspondence utilizing electronic technology.
2. Describe filing indexing rules.
3. Develop a current list of community resources.

**MS141 ADMINISTRATIVE MEDICAL ASSISTING LABORATORY (2)**

This course provides students with the laboratory setting to practice performing administrative office procedures that includes administrative planning functions for an ambulatory care facility, demonstration of various routine office reception and oral communication techniques. Role-playing to help create awareness of common administrative medical assistant and patient interactions, exercises in written communication, dictation and transcription, and completion of various forms related to patient records and office management of medical clinic or physician's office are also included in this course. Course Offering: Spring only. Prerequisites: Admission into the Medical Assisting program, and completion of general educational requirements (Please see Medical Assistants Director for more information), MS 101 or concurrently, HL 120 or concurrently, HL 131 or concurrently, and instructor approval. *Corequisite(s):* MS 141 and MS 145

**Student Learning Outcomes (SLOs):**

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

1. Identify different types of appointment scheduling methods.
2. Define medical necessity as it applies to diagnostic and procedural coding.
3. Describe the role of the medical assistant as a patient navigator.

**MS145 ADMINISTRATIVE MEDICAL ASSISTING CLINICAL (1)**

This course is an application of the knowledge and skills gained in MS140 Administrative Medical Assisting I and MS141 Administrative Medical Assisting II. It requires the student to integrate knowledge and skills gained in MS140 and MS141 Administrative Medical Assisting and apply them in the medical office or clinic setting. Course offering: Spring only. Prerequisites: Admission to the Medical Assisting Program or instructor's consent is required, MS101 or concurrently. Co-requisites: MS140, MS141

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate professional telephone techniques.
2. Perform diagnostic and procedural coding.
3. File patient medical records.

**MS160 INTRODUCTION TO PHARMACOLOGY (1)**

This course provides the students with the principles of pharmacology that includes identification and classifications of medications including the indications for use, desired effects, side effects, and adverse reactions. This course also includes interpretation of abbreviations and symbols, familiarization of local and federal standards and legislation as they relate to medications and their administration. The usage of appropriate references for obtaining drug information, and the demonstration of pharmacology related mathematics to include measurement conversions, and proper dosage calculations will also be key course content. Formerly HL160, HL161 Course Offering: Summer only. Prerequisites: Admission into the Medical Assisting program, MS 101 , HL 120 , HL 131 , MS 140 , MS 141 , MS 141 , MS 201 or concurrently, and instructor approval.

**Student Learning Outcomes (SLOs):**

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

1. Identify the classifications of medications.
2. Apply mathematical computations to solve equations related to medications using ratio and proportion method.
3. Calculate proper dosages of medication for administration.

**MS180 INTRODUCTION TO CLINICAL LABORATORY (2)**

This course introduces the field of clinical laboratory science to include basic laboratory skills and phlebotomy. The students will demonstrate knowledge of clinical and laboratory procedures identify roles of various laboratory personnel within the health care community. Perform CLIA waived to moderate laboratory tests, using basic to moderate laboratory instrumentation and equipment. Demonstrate competence in obtaining blood and other body fluid specimens, demonstrate the ability to effectively interact with patients, hospital personnel, reference laboratory, and describe quality control in the clinical laboratory. Formerly HL140. Course Offering: Spring only. Prerequisites: Admission into the Medical Assisting program, MS 101 , HL 120 , HL 131, MS 140 , MS 141 ,MS 145 MS 201 , MS 160 , MS 161 , MS 120 , MS 121, MS 125 , and instructor approval. Corequisite(s): MS 210 or successfully completed within the last two academic years, MS 292

**Student Learning Outcomes (SLOs):**

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

1. Interpret the results of a urine human chorionic gonadotropin (HCG) quantitative test.
2. Infer a patient's possible diagnosis after performing a differential smear.
3. Demonstrate proper technique when performing phlebotomy.

**MS201 MEDICAL LAW AND ETHICS (2)**

This course provides students with the basic knowledge of legal and ethical responsibilities in patient care and management, which includes laws that affect medical practice and the practice of medical assisting and the application of medical ethics in performance of duties. Course offering: Summer.

**Student Learning Outcomes (SLOs):**

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

1. List the current patients' rights according to the American Hospital Association (AHA).
2. Describe the difference between legal and ethical responsibilities in patient care and management.
3. Analyze the consequences of Medical Law and ethics as related to the Clinical Medical Office.

**MS210 MEDICAL ASSISTING CRITIQUE (1)**

This course is an analytical approach to correlate the basic patient care concepts and principles with the practical experience in the delivery of quality patient care. With the basic ambulatory patient care concepts and principles, students will analyze, synthesize and evaluate patient care management. Students will also review and prepare for examination as certified medical assistants. Course offering: Spring only. Prerequisites: MS120, MS121, MS125, MS140, MS141, MS145. Co-requisite: MS292

**Student Learning Outcomes (SLOs):**

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

1. Analyze, synthesize, and evaluate patient care management.
2. Review and prepare for examination as certified Medical Assistants.

**MS220 MEDICAL ASSISTING SPECIALTIES (2)**

This course provides students with the principles of advanced medical assisting techniques and procedures in an ambulatory care facility. Students will learn the principles of assisting the physician in the appraisal of the health status of patients with prescribed medical office diagnostic tests and follow-up care. Course offering: Fall only. Prerequisites: MS120, MS121, MS125, and SI130A or SI130B. Co-requisite: MS221, MS225

**Student Learning Outcomes (SLOs):**

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

1. Process patient for specialty examination to include pre-authorization.
2. Compare and contrast the room set up for specialty examination versus routine exams.
3. Create directory for specialty clinics.

**MS221 MEDICAL ASSISTING SPECIALTIES LABORATORY (1)**

This course provides students with a laboratory setting to practice advanced skills in clinical care procedures to assist the physician in an ambulatory care facility. Course Offering: Fall only. Prerequisites: MS120, MS121, MS125, and SI130A or SI130B. Co-requisites: MS220, MS225

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate the ability to practice advanced medical techniques in a lab setting.
2. Demonstrate the ability to act as liaison between the patient and physician.

**MS225 MEDICAL ASSISTING SPECIALTIES CLINICAL (1)**

This course is an application in an ambulatory care setting of knowledge and specialty procedures gained in MS220 and MS221, which includes demonstrating professional characteristics expected of a beginning practicing medical assistant. Course offering: Fall only. Prerequisites: MS120, MS121, MS125, and SI130A or SI130B. Co-requisites: MS220, MS221

**Student Learning Outcomes (SLOs):**

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

1. Process patient for specialty examination to include pre-authorization.
2. Set up room for specialty examinations.
3. Demonstrate use of interpersonal and communication skills in the clinical setting.

**MS292 MEDICAL ASSISTING PRACTICUM (5)**

This course provides settings for the application of knowledge and skills gained in the major courses of the Medical Assisting program. Students will apply basic ambulatory patient care concepts and principles with entry-level proficiency in the performance of their duties in the administrative and clinical areas. Course offering: Spring only. Prerequisites: Completion of all technical and related technical requirements in the Medical Assisting Program with a grade of "C" or better and advisor consent. Co-requisites: MS210

**Student Learning Outcomes (SLOs):**

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

1. Prepare patients for examination or procedures, and assist the physician with the examination or procedure.
2. Communicate effectively, both orally and in writing, with professional and non-professional individuals.
3. Perform medical assisting clinical procedures competently and safely within their state's scope of practice.

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**NU****NURSING**

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**NU101 NURSING ASSISTANT (4)**

This course provides students with hands-on training necessary to administer safe high-quality care to patients. This course prepares students to function professionally and competently as Nursing Assistants working under the supervision of the LPN, RN, or MD in such clinical areas as hospitals, home health, community health, and mental health facilities. Graduates will be able to generate the knowledge and demonstrate skills that provide safe, competent care as required to pass the National Nurse Aide Assessment Program Examination which leads to becoming a Certified Nursing Assistant. Course offering: As needed. Prerequisite: Successful completion of HL 131 or concurrently.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate competence with all skills required for certification by the Guam Board of Nurse Examiners.
2. Apply the Nursing Assistant principals and skills learned in the classroom/lab to the clinical setting.
3. Demonstrate proficiency and knowledge of common elements required for preparation of the NNAAP (National Nurse Aide Assessment Program) written and practical examination.

**NU110 NURSING FOUNDATIONS & BASIC SKILLS (8)**

This course covers introductory concepts related to the nursing field. Topics covered are the nursing process, assessment, critical thinking, communication, ethical issues, and practical nursing standards. Students will have the opportunity to practice basic therapeutic nursing interventions that are required of practical nurses in laboratory and clinical settings. Students learn the role of the practical nurse as provider of care, and basic skills necessary to attain and maintain health. Course offering: As needed  
Prerequisites: SI130A, SI130B, PY120, ED220, HL120, HL131, HL150, HL202, SI150 Co-requisites: NU160

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate basic nursing skills to include: handwashing, PPEs, bathing, toileting, bedmaking, vital signs, client ambulation, feeding, range of motion, grooming, turning and positioning the client.
2. Utilize the nursing process inclusive of assessment, planning, implementation, and evaluation in care of the client.
3. Apply problem-solving, critical-thinking, interpersonal, and therapeutic communication skills in care of the client.

**NU140 MENTAL HEALTH NURSING (2)**

This course explores basic concepts, key principles, and the psychosocial needs of clients in behavioral and mental health care settings. The assessment of the client's physical and behavioral responses to stress and mental illness throughout the life cycle is explored. Students will demonstrate therapeutic techniques that promote client's mental health wellness in acute and community health care settings. Course Offering: As needed. Prerequisites: NU110, NU160. Co-requisites: NU220, NU280.

**Student Learning Outcomes (SLOs):**

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

1. Apply concepts of the nursing process as it relates to mental health illness and stress.
2. Identify four anxiety-reducing strategies students can implement in behavioral and mental health settings.
3. Demonstrate therapeutic communication skills and interact with clients appropriately in behavioral and mental health settings.

**NU160 PHARMACOLOGY FOR PRACTICAL NURSES (4)**

The goal of this course is for practical nursing students to acquire pharmacological skills and concepts. The course includes material about the principles of pharmacology, administration of medications, drug classifications, and the effect of medications on each of the body systems. The course prepares the student to administer and monitor the effects of medications. The target populations are students who have been admitted to the Certificate in Practical Nursing program. Course offering: Spring only  
Prerequisites: EN110, MA108, SI130A, SI130B, PY120, ED220, HL120, HL131, HL150, HL202, SI150 Co-requisite: NU110

**Student Learning Outcomes (SLOs):**

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

1. Apply basic calculation, ratio, and proportions for dosage preparation.
2. Demonstrate proficiency in administering intradermal, subcutaneous, intradermal, intramuscular, and Z-track injections.
3. Communicate essential elements of patient education in relation to a prescribed medication.

**NU220 ADULT MEDICAL-SURGICAL NURSING (8)**

This course incorporates the nursing process, body system disorders, diagnostic methods, surgical, non-surgical treatments, illness prevention, and patient education, utilizing current evidence based practice. Concepts covered include therapeutic communication, medication administration, and expansion of intermediate nursing skills that will be safely practiced, observed, and evaluated by instructors in lab and clinical settings. Course Offering: As needed. Prerequisite: NU110, NU160. Corequisite: NU140, NU280

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate intermediate therapeutic nursing skills in a simulated lab and clinical setting as it relates to medical-surgical procedures and patient care.
2. Apply nursing concepts and theories to identify interventions appropriate for planning, providing, and evaluating patient care.
3. Use concepts of problem-solving, critical-thinking, interpersonal, and therapeutic communication skills in care of the medical-surgical patient.

**NU230 MATERNAL/NEWBORN CONCEPTS & SKILLS (3)**

This course provides students with the scope of obstetrics including care and assessment of newborns. This course covers theories of maternal health, the birthing process, physiology of pregnancy, maternal-infant bonding, and family dynamics including cultural considerations, ethics, and stress adaptation of children and their families. The focus is on basic health promotion, disease intervention and detection of high risk factors with childbearing families. Course offering: As needed.  
Prerequisites: ED220, HL120, NU110

**Student Learning Outcomes (SLOs):**

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

1. Utilize the nursing process in the assessment, planning, implementation, and evaluation of maternal and newborn care.
2. Practice basic therapeutic nursing interventions in a laboratory and clinical setting as it relates to maternal and newborn needs.
3. Apply problem solving and critical thinking skills as it related to maternal and newborn care.

#### **NU240 PEDIATRIC NURSING CONCEPTS & SKILLS (3)**

This course builds on child growth and development from infancy to adolescence. Health problems of each age group are explored in more detail. The role of the practical nurse in meeting the health needs of children in a variety of settings is included. This course focuses on promoting, maintaining, and restoring the health of children and their families. Course offering: As needed. Prerequisites: ED220, HL120, NU110

##### **Student Learning Outcomes (SLOs):**

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

1. Utilize the nursing process in the assessment, planning, implementation, and evaluation as it relates to pediatric care.
2. Practice therapeutic pediatric nursing interventions in a laboratory and clinical setting.
3. Apply problem solving and critical thinking skills in pediatric nursing.
4. Demonstrate a variety of interpersonal and communication skills used in pediatric care.

#### **NU280 NURSING TRENDS (1)**

This course is designed for students to study the trends and issues which effect current nursing practice. The major foci include the evolution of nursing, professional opportunities for the practice of nursing, the legal and ethical relationships in nursing, the economics of health care, the interpersonal relationship with patients and in the workforce among healthcare professionals and current issues in nursing. Course offering: Summer.

##### **Student Learning Outcomes (SLOs):**

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

1. Analyze the evolution of nursing and differentiate the roles of the professional nurse.
2. Formulate a plan for the process of employment and analyze leadership styles.
3. Relate nursing care to the sociological and economic trends of health care examining current issues that impact nursing.

#### **NU292 PRACTICAL NURSING CLINICAL (6)**

This course provides students with a clinical setting to practice basic and advanced therapeutic nursing interventions within the scope of an LPN. Selected clinical skills will involve clients/patients/residents of all ages with simple, well-defined problems. Communication, critical thinking, interpersonal, management, and leadership skills and the nursing process will be practiced as students assess and meet the duties of a practical nurse. Students will also lead educational activities that involve adult clients/patients/residents of all ages. Course offering: As needed. Prerequisite: NU220

##### **Student Learning Outcomes (SLOs):**

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

1. Meet local and national standards for practical nurses in performing nursing care.
2. Display professionalism in performing duties of the LPN.
3. Be eligible and prepared to take the NCLEX-PN exam in order to become LPNs or to enter more advanced degree nursing programs.
4. Apply the clinical problem solving process (nursing process) and critical thinking skills within the scope of an LPN.
5. Apply a variety of interpersonal and communication skills used in the health care setting.

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## **OA**

## **OFFICE TECHNOLOGY**

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#### **OA101 KEYBOARDING AND DOCUMENT PROCESSING (3)**

This is an introductory course in keyboarding that focuses on the mastery of the keyboard and using correct typing techniques. Basic word processing concepts and applications will be taught including an introduction to proper formatting of memorandums, business letters, reports, and tables. Formerly Keyboarding Applications. Course offering: As needed

##### **Student Learning Outcomes (SLOs):**

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

1. Demonstrate the ability to key memorandums, letters, reports, tables, and other related items.
2. Demonstrate good work habits, acceptable, typing techniques and skill in using the microcomputer and printer.
3. Demonstrate keyboard knowledge by completing a 3-minute timed-writing keying at least 40 words per minute with no more than 5 errors.

#### **OA103 FILING SYSTEMS (3)**

This course introduces the basic principles of a records and information management program. Four filing systems (alphabetic,

numeric, subject, and geographic) will be emphasized using both manual and electronic methods for storage and retrieval of records. Course offering: As needed. Prerequisite: EN100R

**Student Learning Outcomes (SLOs):**

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

1. Index, code, cross-reference, and arrange personal names, business names, and organization names in correct filing order.
2. Store and retrieve records using alphabetic, subject, numeric, and/or geographic methods of filing.
3. Create, maintain, and access a computerized records management database.
4. Demonstrate the procedures for records control and retention, including charge-out systems, electronic files control, and transfer methods.

**OA109 BUSINESS MATH USING EXCEL (3)**

This course provides students with basic business math skills and the use of Excel software needed in today's workforce. Topics to be discussed are basic math functions, fractions, percent, bank services, payroll, purchasing merchandise, markup and markdown, interest, credit and mortgages, and depreciation. Course Offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Prepare bank statement reconciliations.
2. Calculate the components of payroll.
3. Solve simple and compound interest problems.
4. Use Excel to solve business problems.

**OA130 INFORMATION PROCESSING (3)**

This course provides students with basic skills and advanced concepts using word processing software for preparing business letters, memos, tables, reports, and forms (including meeting minutes, agendas, itineraries, articles). Speed and accuracy in the preparation of a mailable copy is emphasized. Course offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate proper techniques for keying correspondence, including letters, memorandums, reports, tables, and forms.
2. Apply skills in completing projects.
3. Demonstrate proper work attitudes for business.
4. Demonstrate keyboarding knowledge by completing a 5-minute timed-writing keying at least 50 words a minute with no more than 5 errors.

**OA210 DATABASE MANAGEMENT SYSTEMS (3)**

This course introduces the basic concepts of a database management system. Topics include designing, creating, and using a database; querying a database; maintaining a database; sharing data among applications; and creating forms and reports. Course offering: As needed. Prerequisite: CS151

**Student Learning Outcomes (SLOs):**

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

1. Design, create, and modify database.
2. Design, generate, and modify queries, forms, and/or reports for the input and/or extraction of data.
3. Integrate with other office applications and collaborate and secure data.

**OA211 BUSINESS COMMUNICATION (3)**

Students learn all the basics of business communication and are provided practice in applying them using many real-world writing forms of communication, to include composing letters, memorandums, emails, reports, proposals, employment communications, and oral presentations. This course teaches students how and when to be concise, in addition to communicating effectively. It prepares students for the job-interview process, writing resumes, and application letters. Formerly OA206, Business Correspondence. Course offering: As needed. Prerequisites: CS151, EN110

**Student Learning Outcomes (SLOs):**

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

1. Write effective business memos, letters, and reports.
2. Prepare and deliver effective oral presentations.
3. Demonstrate effective interpersonal communications skills.
4. Communicate orally in one-on-one, small group and large group situations.
5. Develop a practical job search strategy, including writing successful resumes.

**OA220 SPREADSHEET SYSTEMS (3)**

Spreadsheets, their roles, advantages, and limitations will be covered in this course. Microcomputer usage and standard

spreadsheet software will be utilized to provide hands-on applications experience with creating, designing, setting up, utilizing, and integrating spreadsheets. The course is designed to be taught in a traditional setting or as a hybrid or online course. Course Offering: As needed. Prerequisites: CS151

**Student Learning Outcomes (SLOs):**

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

1. Create, save, retrieve, edit, format, and print an electronic worksheet using formulas, built-in functions, and charts.
2. Create and manipulate electronic spreadsheet databases, templates, and macros.
3. Integrate spreadsheets with other office applications and secure the data.

**OA230 ADVANCED INFORMATION PROCESSING (3)**

This course provides the student with a review of basic word processing concepts and skills and introduces advanced word processing functions to prepare documents that integrate files from various application programs (word processing, spreadsheets, database, and presentation graphics), the Internet, and other emerging technologies. Course offering: Spring only. Prerequisite: OA130

**Student Learning Outcomes (SLOs):**

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

1. Create compound documents by integrating word processing, spreadsheet, database, and/or presentation applications.
2. Apply proper document formats when keying business correspondence--memorandums, letters, reports, tables, and forms.
3. Create and manage documents using teamwork.

**OA240 MACHINE TRANSCRIPTION (3)**

This course provides students with basic transcription techniques, the formatting of documents, written communications, listening, and decision making skills, which are necessary to work in an office environment. Course offering: As needed. Prerequisites: EN110, OA130

**Student Learning Outcomes (SLOs):**

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

1. Apply correct spelling, grammar usage, and style to documents.
2. Transcribe and key professional correspondence.
3. Examine and use appropriate reference materials.

**OA250 OFFICE PROCEDURES (3)**

This is a finishing course for students in the Office Technology Program. It prepares students for work in today's modern office. Topics include: the work environment, workplace technologies, written communication, records, and presentations, customer and employee satisfaction, mail, travel, meetings and conferences, and career. Course offering: Spring only. Prerequisites: OA211

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate professional image, appropriate job attitudes, and interpersonal relationships of the administrative assistant.
2. Work independently and as a member of an internal team.
3. Display skills in obtaining, organizing, evaluating, and managing information.

**OA292 OFFICE TECHNOLOGY PRACTICUM (3)**

This course provides students with the opportunity to apply their knowledge and skills while working in an office environment. Course offering: As needed. Prerequisite: Permission from advisor or department chairperson.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate appropriate worksite behavior.
2. Demonstrate competence using business office technology, electronic communication skills, software application, and organizational and time management skills.
3. Demonstrate appropriate professionalism, ethical conduct, disposition and communication in an office environment.

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**OR ENGINEERING TECHNOLOGY**

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**OR101 INTRODUCTION TO ENGINEERING TECHNOLOGY (3)**

The primary intent of this course is to investigate the entire realm of engineering, its history, professional requirements, ethics, educational requirements, branches, functions and the roles of the engineering technician. This course will prepare students

through the integration of technical problem solving, engineering design, ethical issues, teamwork, and communicating to diverse audiences. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Gain an awareness of the connections between engineering and the impact of engineering solutions in a societal and global context.
2. Demonstrate basic knowledge of the techniques, skills, and modern engineering tools necessary in the current civil and mechanical engineering industry.
3. Describe various engineering careers to include skills needed, required educational background, and experience with a focus on architectural engineering.

**PI**

**PHILOSOPHY**

**PI101 INTRODUCTION TO PHILOSOPHY (3)**

This course will review the great philosophical traditions surrounding the eternal questions concerning nature and the human condition. Students will analyze the great philosophies from Asia and the West in efforts to understand knowledge, reason, and faith. Introduction to Philosophy will challenge students to become more active and engaged ethical citizens by working with the community. Course Offering: As needed. Prerequisite: EN110

**Student Learning Outcomes (SLOs):**

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

1. Compare and contrast philosophical schools of thought.
2. Explain why a philosophical problem is significant.
3. Formulate primary philosophical text addressing a philosophical problem.

**PS**

**POLITICAL SCIENCE**

**PS140 AMERICAN GOVERNMENT (3)**

This course provides students with fundamental knowledge about the history and principles of American government. Topics of study include citizenship, political parties, the creation of law and policy, and the functions of the three branches of government. This course also provides essential working knowledge for those seeking a career in government service. It is also appropriate for anyone seeking broader understanding of the relationships among the local, state, and federal governments. Course offering: As needed. Prerequisites: EN100R, EN100W

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate an understanding of the basic framework and concepts which define the American system/style of democracy.
2. Explain the historical roots of American government and the events which have affected the development and course of American government.
3. Explain the three branches of government, their basic structure and functions, and how they are expected to change and interrelate with each other.
4. Develop an awareness of the factors and circumstances which may impact the direction and changes to the American system of government.
5. Demonstrate an understanding of Guam's system of government.

**PV**

**PHOTOVOLTAICS**

**PV101 PHOTOVOLTAICS I (3)**

This course will provide an overview of the three basic PV system applications. The course will give the student a basic knowledge of the core concepts necessary to work with all PV systems, including: solar photovoltaic (PV) cells, modules, and system components, load analysis, PV module criteria, and safety. The course will also cover the basics of battery sizing, wire sizing, overcurrent protection, and grounding. Course offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Describe the basic components of a PV system.
2. Determine the size of a stand-alone inverter.
3. Calculate house load requirements.



**PV102 PHOTOVOLTAICS II (3)**

This course will review industry best practices to residential and commercial PV solar electric systems to ensure safe, code-compliant design and installation. Hands-on training will cover site analysis, design based on specific site conditions, site specific safety issues and construction issues. This course will also cover the use of tools and testing equipment. Course offering: Fall only.

**Student Learning Outcomes (SLOs):**

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

1. Identify the types of (PV) photovoltaic systems.
2. Calculate the sizing requirements for a stand-alone PV system.
3. Perform installation of a PV system.

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<b>PY</b>	<b>PSYCHOLOGY</b>
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**PY100 PERSONAL ADJUSTMENT (3)**

Personal Adjustment invites students to engage in self-discovery and self-improvement in a supportive environment. Students should be willing to examine various personal and interpersonal issues such as self-concept, anger and violence, depression, happiness, love and intimacy, sexuality, moral and ethical development, gender roles, diversity, stress and other problems encountered throughout life. This course encourages students to think about their lives in a deeper and more meaningful way and to choose to live a deliberate life. "The unexamined life is not worth living."--Socrates Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Explain and evaluate the importance of personal adjustment and the benefits of self-awareness.
2. Evaluate emotions and the significance of their emotions on self-development.
3. Identify and demonstrate the skills necessary for healthy communication and relationships.
4. Demonstrate and understand the impact of societal expectations on human behavior.
5. Recognize and evaluate the factors affecting individual choices and their effects on one's self and adjustment within society.

**PY120 GENERAL PSYCHOLOGY (3)**

General Psychology provides an overview of the scientific study of human behavior and experience. Topics include history, methodology, neuroscience, perception, learning, motivation, abnormal behavior, personality theory and other relevant topics. Upon completion, students should be able to demonstrate a basic knowledge of the science of psychology. This course has a service learning component and has been approved as a general education social science elective. Course offering: As needed. Prerequisites: EN110

**Student Learning Outcomes (SLOs):**

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

1. State the general principles, theory, ethical considerations and contemporary approaches to psychology.
2. Apply psychology to daily experiences.
3. Achieve the relevant general education course goals.

**PY125 INTERPERSONAL RELATIONS (3)**

Success in people's lives depends on the interpersonal skills with which they manage their personal and professional relationships. Employers require that people cooperate as a team, work with diverse cultures, embrace change and communicate effectively to get the job done. Course offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Develop interpersonal and critical thinking skills necessary to become productive members of the workforce in society.
2. Demonstrate the use of appropriate written and oral skills necessary for effective communication.
3. Demonstrate ethical, social, and environmental responsibility.

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<b>RE</b>	<b>RENEWABLE ENERGY</b>
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**RE100 INTRODUCTION TO RENEWABLE ENERGY (3)**

This module provides an outline and brief description, including fundamentals, of the different renewable energy technologies: wind, solar, bioenergy, and geothermal energy. It provides a general overview of the technologies and their applications. While these technologies are not fully proven yet, promising research and development is being conducted. The module also discusses common technical and non-technical barriers and issues limiting the wide spread use/dissemination of renewable energy in developing countries. The information in this module is of general interest to explain the basics of renewable energy

technologies, to understand their strengths and weaknesses and hence to have a better grasp of the benefits available from, and the barriers faced by, these technologies. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Define the different key renewable energy technologies.
2. Discuss the potential applications for renewable energy technologies.
3. Describe the strengths and weaknesses of the different renewable energy technologies.

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<b>SI</b>	<b>SCIENCE</b>
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**SI051 EARTH SCIENCE (3)**

This course will focus on knowledge and understanding of life and physical science. Earth Science provides students with an understanding of how the different parts of the system works through the study of the Earth's cycles and spheres; the earth's place in the universe as well its internal structure, tectonic plates, atmospheric processes, and hydrosphere are explored to help understand how Earth science interacts with society. Students will be active learners; they will observe, inquire, question, formulate and test hypotheses, analyze data, report, and evaluate findings. Students will have hands-on and active experiences throughout this course. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Discuss specific textual evidence that support analysis of the development of the universe and the solar system.
2. Analyze the earth's internal structure and the dynamic nature of the tectonic plates that form its surface.
3. Explain the atmospheric processes that support life and cause weather and climate change.

**SI061 BIOLOGY (3)**

An introduction to cells, reproduction, Mendelian genetics, anatomy and physiology, protista, plant and animal kingdoms, laboratory skills and ecology. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Describe the general composition of living organisms, their cellular structures and functions.
2. Explain the energy transformations that enable cellular activity.
3. Describe the role of DNA and how it provides information for inheritable characteristics and genetic variation.
4. Demonstrate their ability to use technology to make biological observations, collect data, and conduct analysis from the data.

**SI101 INTRODUCTION TO CHEMISTRY (3)**

Designed as a broad introduction to chemistry, topics include atomic structure, bonding, gas laws, interpreting the Periodic Table of Elements, stoichiometry, problem-solving, and concludes with an introduction to organic chemistry. This course satisfies the natural and physical sciences requirement for general education. Course offering: As needed. Prerequisites: Satisfactory completion of MA108, equivalent or higher. Co-requisite: SI101L

**Student Learning Outcomes (SLOs):**

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

1. Interpret the Periodic Table of Elements.
2. Identify types of chemical reactions.
3. Solve quantitative problems including unit conversions and balance chemical reactions.

**SI101L INTRODUCTION TO CHEMISTRY LABORATORY (1)**

This course is the laboratory co-requisite for SI101 Introduction to Chemistry. Laboratory sessions provide hands-on experiences with chemicals, equipment and instruments, that reinforce and extend concepts presented in lecture. 3 hours of lab per week; 1 credit hr. Course offering: As needed. Prerequisites: Satisfactory completion of MA108, equivalent or higher. Co-requisite: SI101.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate proper conduct in accordance with safety procedures in the lab and use basic chemistry lab equipment.
2. Apply concepts of chemical reactions and equations to experiments and perform qualitative and quantitative problem-solving.
3. Demonstrate ability to write proper lab reports.

**SI102 GENERAL CHEMISTRY WITH LABORATORY (4)**

This course is designed to be a general chemistry course for students. Topics covered include the theories, laws, and principles of chemistry including atomic structure, nature of the chemical bond, and stoichiometric considerations of all aspects of inorganic chemistry. This course has a 30 hour laboratory component. Course offering: As needed. Prerequisite: MA161A

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate familiarity and basic use of the Periodic Table of the Elements.
2. Apply the scientific method through lab experiments and write lab reports.
3. Apply critical thinking skills to solve quantitative and qualitative chemistry problems.
4. Calculate conversions and balance chemical equations.
5. Identify various types of chemical reactions.

**SI103 INTRODUCTION TO MARINE BIOLOGY (3)**

This course provides students with an understanding of the general principles of marine ecology. Basic skills in gathering ecological data and identification of marine organisms will be acquired. This is the lecture portion of the course and students are required to register for the lab portion, SI103L Introduction to Marine Biology Lab. (If a student takes the course in a previous semester and fails lecture, but passes lab with a C or better, then co-requisite is waived. Course Offering: As needed. Prerequisites: EN100R, EN100W. Corequisite: SI103L (waived if grade C or better is obtained in previous semester).

**Student Learning Outcomes (SLOs):**

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

1. Describe key chemical, biological, geological, and ecological processes.
2. Identify and classify common marine organisms.
3. Explain anthropogenic factors that affect the marine environment and organisms therein.

**SI103L INTRODUCTION TO MARINE BIOLOGY LAB (1)**

This course is the laboratory co-requisite for SI103 Introduction to Marine Biology. Laboratory sessions and field trips reinforce and extend basic marine biology concepts, identification of marine organisms, and anthropogenic effects on the marine environment. (If a student takes SI103L in a previous semester and fails, but passes SI103 with a C or better, then the student will be allowed to repeat just the lab). Course Offering: As needed. Prerequisite: EN100R and EN100W. Corequisite: SI103 (waived if grade of C or better is obtained in previous semester).

**Student Learning Outcomes (SLOs):**

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

1. Describe key chemical, biological, geological, and ecological processes.
2. Identify and classify common marine organisms.
3. Explain anthropogenic factors that affect the marine environment and organisms therein.

**SI105 INTRODUCTION TO PHYSICAL GEOLOGY (3)**

Introduction to Physical Geology is the science of the earth, the materials that make up the earth and the forces and processes that shape the earth. Topics for this course will include minerals, rocks, earth's internal structure, plate tectonics, geologic structures, the rock cycle, and surface/subsurface processes. This course is to be taken concurrently with a laboratory/field course, SI105L, where students will conduct laboratory and field investigation that will reinforce the course topics and expose students to Guam's complex geologic history. Course offering: As needed. Prerequisites: EN100R, EN100W, or placement into EN110.

Co-requisite: SI105L

**Student Learning Outcomes (SLOs):**

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

1. Explain how geologic processes shape the earth.
2. Identify basic rock and mineral samples.
3. Explain how geologic processes affect human activities and social economic welfare.

**SI105L INTRODUCTION TO PHYSICAL GEOLOGY LABORATORY (1)**

This course is the laboratory portion to the course SI105, Introduction to Physical Geology. Topics for this course will include minerals, rocks, earth's internal structure, plate tectonics, geologic structures, the rock cycle, and surface/subsurface processes. This course is to be taken concurrently with the lecture course SI105. In this course students will conduct laboratory and field investigation that will reinforce the lecture course topics and expose students to Guam's complex geologic history. Course offering: As needed. Prerequisites: EN100R, EN100W. Co-requisite: SI105

**Student Learning Outcomes (SLOs):**

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

1. Explain how geologic processes shape the earth.

2. Identify basic rock and mineral samples.
3. Explain how geologic processes affect human activities and social economic welfare.

**SI110 ENVIRONMENTAL BIOLOGY (3)**

This is a comprehensive survey course which focuses on environmental issues and concepts. The main focus of this course deals with tropical ecosystems that are unique to Pacific island regions. This course is the lecture portion of Environmental Biology. Students taking this course are required to register for the lab portion of the course as a co-requisite. Course offering: As needed. Prerequisite: Placement in to EN 110 or higher or satisfactory completion of EN 100R and EN 100W. Corequisite: SI110L Environmental Biology Laboratory unless already successfully completed lab course.

**Student Learning Outcomes (SLOs):**

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

1. Describe key chemical, biological, ecological, and atmospheric processes that affect organisms, with an emphasis on tropical island environments.
2. Explain the ecological, social and/or economical implications of climate change, conservation and sustainable use of resources, overpopulation, waste management and recycling, as well as reflect on their personal roles in these issues.
3. Demonstrate and integrate knowledge and observations obtained from lectures, labs and field trips in written reports, quizzes and exams.
4. Demonstrate the ability to gather and analyze data, present results graphically, interpret results and form conclusions.

**SI110L ENVIRONMENTAL BIOLOGY LABORATORY (1)**

This is the laboratory portion of the SI110 Environmental Biology lecture course. The course applies hands-on laboratory exercises and experiments to illustrate and complement concepts discussed in the SI110 lecture course. Students will also be conducting class field trips to several selected environmental habitats around the island. The fieldtrips are designed to provide firsthand experience and connectivity between environmental issues learned in the classroom and real world events. Students taking this course are required to register for the lecture portion of the course as a co-requisite. Course offering: As needed. Prerequisites: EN100R, EN100W. Co-requisite: SI110

**Student Learning Outcomes (SLOs):**

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

1. Describe key chemical, biological, ecological and atmospheric processes that affect organisms, with an emphasis on tropical island environments.
2. Explain the ecological, social, and/or economic implications of climate change, conservation and sustainable use of resources, overpopulations, waste management and recycling, as well as reflect on individual roles in these issues.
3. Demonstrate the ability to gather and analyze data, present results graphically, interpret results and form conclusions.

**SI120 INTRODUCTION TO ISLAND ECOLOGY AND RESOURCE MANAGEMENT (3)**

This course is designed for natural resource managers, field technicians and law enforcement personnel working in natural resource conservation. The course covers fundamental concepts of island terrestrial and marine ecology, resource management and conservation. Course offering: As needed. Prerequisites: EN100R, EN100W

**Student Learning Outcomes (SLOs):**

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

1. Describe key chemical, atmospheric, biological, and ecological processes that affect organisms in terrestrial and marine environments with an emphasis on tropical island ecosystems that the student can apply as part of their job field.
2. Explain the ecological, social, and economic implications of conservation, policy and regulations, management and sustainable use of natural resources, overpopulation, and impact of climate change, as well as reflect on their roles in these issues.
3. Explain the effects of anthropogenic factors that affect the environment and organisms therein.

**SI122/CJ122 INTRODUCTION TO FORENSIC SCIENCE (4)**

This course introduces students to the field of forensic science. Students will be able to identify the various principles, methods and procedures used in the preservation, collection, processing, and investigation of the crime scene as well as identify the various scientific techniques used to evaluate and analyze the evidence to resolve criminal matters. Students will also be familiar with some of the legal and ethical issues in forensic science. Course offering: As needed. Prerequisite: CJ100

**Student Learning Outcomes (SLOs):**

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

1. Describe the history and development of forensic science.
2. Identify the role of forensic science within the criminal justice system.
3. Identify the various analytical tools used to evaluate, process, investigate and adjudicate criminal cases.
4. Describe the various scientific techniques used to preserve, collect and analyze evidence.
5. Identify some of the legal and ethical issues in forensic science.

**SI125 SCIENTIFIC METHODS AND DATA ANALYSIS (3)**

This class is an introduction to the practice of science, with a particular emphasis on Environmental Science. This course provides Environmental Technician students with an overview of the scientific methods and process, particularly within the context of observation-driven investigations. Students will examine the steps of crafting scientific questions and hypotheses, research design, experimentation and data collection, data analysis, interpretation and presentation. The course will include an introduction to the technology and methods used data collection and environmental testing. The course will also include an introduction to the tools and methods used in science writing and data collection, the presentation and statistical analysis of scientific data, and search and review of the scientific literature. Finally, students will consider the nature of the theories that arise from, and provide a framework for, the practice of science.

**Prerequisites:** For the Environmental Technician program students : EN 110, MA 108, and SI 101 (or equivalent or higher), SI 110 or SI103. Students with one (1) year experience in the workforce relative to data collection and report analysis can be evaluated by the Department Chair for waiving of prerequisites.

**Student Learning Outcomes (SLOs):**

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

1. Explain in detail the steps of observation-driven investigations, including crafting of scientific questions and hypotheses, research design, experimentation and data collection, data analysis, interpretation and presentation.
2. Demonstrate a basic understanding of the goals, structure, creation process, and types of scientific literature documentation in the environmental sciences.
3. Identify the use of technology and equipment for data collection and analysis, including but not limited to environmental science.

**SI130A HUMAN ANATOMY & PHYSIOLOGY I WITH A&P I LABORATORY (3)**

This course provides students with an understanding of the function and regulation of the human body and the physiological integration of the organ systems to maintain homeostasis. This course will consist of blood and its components, cardiovascular system, lymphatic system, fluid and electrolytes, respiratory system, digestive system, urinary system, and reproductive system. Course offering: Fall only. Prerequisites: EN100R, EN100W or EN110 placement. Co-requisite: HL120

**Student Learning Outcomes (SLOs):**

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

1. Describe the relationship between tissues, organs, and organ systems from a structural and functional perspective.
2. Identify and correlate how each organ in the human body works together as a system to maintain homeostasis.
3. Describe the cellular process and transport mechanisms at a chemical level (fluid and electrolyte balance).

**SI130B HUMAN ANATOMY & PHYSIOLOGY II WITH A&P II LABORATORY (3)**

This course follows a systemic approach that combines microscopic tissue studies, photomicrographs, anatomical models, charts, and gross/visual anatomical studies of the human body. Providing students with the in-depth knowledge and understanding of the structures of the human body. This will include chemistry, the cell, tissues, integumentary system, musculoskeletal system, and nervous system. This course is recommended for those majoring in the allied health and nursing programs. Course offering: Spring only. Prerequisites: EN100R, EN100W or EN110 placement. Co-requisite: HL120

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate the use of anatomical and directional terms used in the health care when referring to the human body structures.
2. Identify anatomical features of the body on a microscopic and/or gross level and indicate proper location of each.
3. Identify and list 206 human adult skeletal bones.

**SI141 APPLIED PHYSICS I (4)**

An Algebra-based course covering measurement, motion, forces in one (1) dimension, vectors, trigonometry, concurrent forces, work and energy, simple machines, rotational motion, nonconcurring forces, matter and fluids. The course emphasizes physical concepts as applied to an industrial technical field. Course offering: As needed. Prerequisite: MA161A

**Student Learning Outcomes (SLOs):**

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

1. Define key terminology used in the physics field.
2. Identify and classify common physical phenomena such as forces, friction, and center of gravity.
3. Summarize common laws and rules of physics from Newton and Kepler and their application to everyday circumstances.
4. Employ basic methods and observations to identify given data graphically or numerically and implement proper procedures to solve problems applying physical rules and formulas correctly.

**SI142 APPLIED PHYSICS II (4)**

A continuation of SI 141 covering temperature and heat, the gas laws, wave motion and sound, static electricity, direct current, DC sources, magnetism, alternating-current, light, and reflection and refraction. Course offering: As needed. Prerequisites: SI141, MA161A.

**Student Learning Outcomes (SLOs):**

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

1. Calculate the momentum, impulse, force, and time of contact within a system.
2. Apply and analyze between rotational and translational quantities and equations.
3. Relate and apply density, specific gravity, mass and volume, pressure, area, pressure density, and depth concepts.
4. Identify, relate and apply amplitude, frequency, angular frequency, period, displacement, velocity and acceleration associated with oscillating system.

**SI150 INTRODUCTION TO MICROBIOLOGY (4)**

This course presents basic principles of microbiology, including the role of microbes in the transmission of disease, the environment and useful applications. Weekly laboratory sessions include training in compound microscopy, practice in aseptic techniques, the use of disinfectants and antimicrobial agents, identification of common microbes using staining and microscopy techniques. This course satisfies the Guam Board of Nursing Examiners' requirement for candidates seeking LPN licensure. This course can also apply toward general education science credits. Course offering: As needed. Prerequisites: SI130, HL120, EN110

**Student Learning Outcomes (SLOs):**

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

1. Summarize the historical events that led to development of the field and the taxonomic classification regarding microbial diversity.
2. Demonstrate knowledge of the basic chemistry in laboratory procedures, bright-field microscopy, aseptic techniques, protocols for identification of microbes and basic microbial and molecular biology.
3. Demonstrate knowledge of microbial pathogenicity mechanisms, chemotherapeutics, drug resistance, disease prevention and the causes and consequences of mutations and genetic engineering on microbes.
4. Summarize the impact of microbes in the environment and useful applications of microbes.

**SI155 Waste Site Worker Safety HAZWOPER (3)**

This course provides 45 hours of training in the protection, health and safety of workers involved in storage, disposal, or treatment of hazardous substances, cleanup of hazardous waste sites, and emergency response operations for threats or releases of hazardous substances. The curriculum meets requirements of OSHA 29 CFR 1910.120.

Note: Entrance to this course requires that students be physically capable of wearing and working in the different levels of Personal Protective Equipment (PPE), as well as wearing and using respiratory protective devices. This involves obtaining a physician's statement that the student is cleared to wear and work in PPE and respiratory equipment.

**Prerequisites:** For Environmental Technician program students: EN110, MA108, SI101 (or equivalent or higher), SI110 or SI103, SI125. For students currently employed in a workplace engaged in HAZWOPER work, and who have the necessary experience and skills of their trade, a waiver may be granted by the Department Chairperson.

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate understanding of employees' rights and responsibilities, and an employer's responsibility for a safety and health program with respect to OSHA 29 CFR 1910.120, and other related regulations.
2. Demonstrate understanding of a Job Hazard Analysis, Health and Safety Plan (HASP), and emergency response plan.
3. Demonstrate skills in completing hands-on activities including, but not limited to, the use of respirators, levels of Personal Protective Equipment (PPE), and identification and verification of unknown substances.

**SM****SUPERVISION & MANAGEMENT****SM108 INTRODUCTION TO BUSINESS (3)**

This course provides foundational knowledge for students in supervision and management as well as students studying related disciplines in business and computer science. Students will study resume preparations, ethics and social responsibility, the private enterprise system, economic challenges in a global market, entrepreneurship, goods and services distribution, e-commerce transactions, basic management concepts A-Z, technology management, financial statements, federal reserve system, and career opportunities. Formerly OA108. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Evaluate the private enterprise system and determine the roles of business, competitors, and entrepreneurs.
2. Construct the stages in the development of management ethical standards.
3. Discuss the forms of business ownership and organization.

### **SM205 PURCHASING (3)**

This course provides an insight for students to a career in purchasing, such as a retail buyer or a procurement officer for an organization. It focuses on the broad spectrum of retailers, both large and small, selling either merchandise or services and making key management decisions to provide value to their customers and developing a long-term advantage over their competitors. Key strategic issues are examined in developing a retail strategy with an emphasis on the financial considerations and store management issues. The procurement cycle is studied with emphasis on vendor partnerships, negotiations, pricing analysis, and policy considerations. Course Offering: Fall only. Prerequisite: SM108 or permission from the advisor or department chairperson.

#### **Student Learning Outcomes (SLOs):**

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

1. Describe the impact of purchasing and supply chain management on the competitive success and profitability of modern organizations.
2. Identify the ethical, contractual, and legal issues faced by purchasing and supply chain professionals.
3. Explain the purchasing cycle, various types of purchasing documents, and types of purchases.

### **SM208 PERSONNEL SUPERVISION (3)**

This course prepares students to be supervisors in a challenging modern workplace. It is based on the premise that organizational variables including diversity in the workforce, computer and communication technology, and the design of organization structures are constantly changing. Overall, this course focuses on discussing important supervision concepts and providing fundamental skills necessary for applying these concepts. Students will learn the critical role of a supervisor in an organization and the abilities needed to be successful. Formerly OA208. Course offering: As needed.

#### **Student Learning Outcomes (SLOs):**

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

1. Explain the role, characteristics and skills of a supervisor and the principles of planning, leading, controlling, staffing, and organizing at the supervisory level.
2. Identify and discuss the human skills necessary for supervision.
3. Describe employee needs and apply motivational skills to address them.
4. Articulate applied supervision concepts.

### **SM211 E-COMMERCE MANAGEMENT (3)**

E-commerce has paved the way for companies to sell their products and services to consumers and businesses throughout the world. Most companies now utilize ecommerce to market and sell their products and services, as well as conduct financial transactions. This course will provide the basic knowledge necessary in managing an online business. Course Offering: As needed. Prerequisite: SM108 or permission from the Department Chair.

#### **Student Learning Outcomes (SLOs):**

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

1. Explain the basic requirements of a business web site.
2. Differentiate the four Internet business models.
3. Describe the importance of e-commerce in today's business management.

### **SM215 INTERNATIONAL MANAGEMENT (3)**

This course teaches students the managerial process in a global context and illustrates how culture affects the managerial process. Students will study international strategic planning, organizing global structures, effective directing, leading, international human resources management, cross-cultural business practices, negotiations, leadership, decision making, motivation, communication process sensitive to verbal and non-verbal languages, and controlling operation results against international cross-cultural performance standards. Course offering: As needed

#### **Student Learning Outcomes (SLOs):**

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

1. Develop strategies for sustaining international business competition in a global setting.
2. Discuss cross-cultural business ethics and corporate social responsibility in subsidiary assignments.
3. Describe the challenges of international management.

### **SM220 MANAGEMENT SKILL DEVELOPMENT (3)**

This is a course in the development and application of fundamental skills needed for the successful practice of management. The

focus of the course is on the goals and objectives formulated from the firm's mission statement. The student will concentrate on the Planning and Organizing functions. In addition, the student will apply the control function on the firm's performance against its strategic plan. Policy considerations drive the theme of this course. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Explain the traditional four functions of management: planning, organizing, leading, and controlling.
2. Discuss the eight-steps used in structured decision making process.
3. Describe the needs for technology in management operations

**SM225 LEADERSHIP (3)**

This course uses a unique three-prong approach of theory, application, and skill development. Traditional theories along with cutting-edge leadership topics will be covered. Leadership study allows students to expand and focus their supervision and management skills by concentrating and emphasizing the importance of leadership. Critical thinking about concepts in leadership will be one of the learning outcomes. Students will experience proven skill-building exercises that foster leadership skills in which they can use in their professional and personal lives. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Explain traditional and cutting-edge leadership theories and leadership concepts.
2. Apply theory through skill-development exercises.
3. Develop leadership skills applicable in today's business environment.
4. Make clear distinctions between coverage of theory concepts and their applications.
5. Apply leadership skills by doing self-assessment exercises rather than just by reading.
6. Discuss behavior models: how-to steps for handling day-to-day leadership functions.
7. Analyze four models to determine the appropriate leadership styles for team development.
8. Assess manager personality profile.
9. Examine the application of manager profile to leadership potential.

**SM230 BUSINESS LAW APPLICATIONS (3)**

This course is an introduction to the substantive law that governs American commerce, state and federal statutes and traditional Common Law principles. Uniform Commercial Code (UCC), and the Restatements of the Laws form the foundation upon which the following legal principles are presented: contract law, agency law, partnership and corporate law, real and personal property law, negotiable instruments, and secured transactions. Special emphasis, however, is placed on Cyber law (laws governing Internet transactions) as it applies to e-commerce transactions such as e-contracts; intellectual property rights; online issues relating to copyrights, trademarks, patents, and trade secrets; privacy rights in the online world; cyber law court jurisdictional issues; and cyber crimes (cyber theft, cyber identity theft, cyber stalking, cyber hacking, and cyber terrorism). This course is for anyone contemplating a career in business and anyone interested in the legal requirements governing business decisions and activities. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Discuss the law of contracts as it relates to offers/acceptances, consideration, and competency.
2. Identify the key elements of intentional, negligence, and strict liability torts.
3. Summarize in writing ideas and feelings about applied business law concepts.

**SM240 EMPLOYMENT & LABOR LAW (3)**

This course introduces Employment and Labor Law for the non-legal professional in management and labor relations. The course emphasizes employment, labor, and social issues in the work environment as they cover federal and state law governing employer/union and employee/employer relationships. The student will learn how daily supervisory and management decisions made within the context of employment and labor law can have far-reaching consequences in their firm's legal liabilities. This course provides the knowledge and tools for SM graduates to make management decisions that eliminate or minimize their firm's liability. Course offering: Fall only

**Student Learning Outcomes (SLOs):**

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

1. Discuss the history of American labor unions and its impact on the enactment of federal labor laws.
2. Explain how Title VII of the Civil Rights Act protects covered employees prohibiting any discrimination based on race, color, religion, sex or national origin.
3. Summarize in writing ideas and feelings about applied labor and employment law concepts.

**SM245 ETHICS & STAKEHOLDERS MANAGEMENT (3)**

This course uses cutting-edge research along with case histories to help students understand the relationships between business and society stakeholders. The managerial perspective of this course emphasizes the twin themes of stakeholders and ethics.



Students are shown how to integrate ethical consideration into the entire decision-making process. The course employs a stakeholder management framework that emphasizes the firm's social and ethical responsibilities to both internal and external stakeholders. Course Offering: Spring only.

**Student Learning Outcomes (SLOs):**

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

1. Describe and explain actions or strategies that management may take to improve a firm's ethical climate.
2. Describe ethical standards in management and identify its role in contemporary business practices.
3. Differentiate between management of internal and external stakeholders.

**SM292 SUPERVISION AND MANAGEMENT PRACTICUM (1-6)**

The Cooperative Education program provides an opportunity to qualified associate degree seeking students to receive credit and paid work experience related to Supervision and Management. Course Offering: As needed. Prerequisite: SM108, SM208, and SM220)

**Student Learning Outcomes (SLOs):**

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

1. Obtain supervised work experience to develop skills necessary to succeed in supervision/management positions.
2. Develop and reinforce the knowledge of supervisory theory and management principles as applied to the challenges of a business position.
3. Train subordinates in supervision/management theory and practices.
4. Apply the practice of professional business ethics related to the moral and social responsibilities of a supervisory/management position.
5. Demonstrate effective human relations skills with co-workers and subordinates according to the expectations of a business supervisor/manager.
6. Demonstrate planning, organizing, directing, and controlling skills needed for success supervising/managing within a business environment.

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**SO**

**SOCIOLOGY**

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**SO099 STUDENT SUCCESS WORKSHOP (3)**

This course integrates a balance of motivational, study, and life skills; student will understand themselves as individuals who appreciate their own strengths, identify their challenges, and work to strengthen current skills and create new ones. Students will work on their noncognitive skills such as, attitudes, behaviors, and skills such as critical thinking, self-efficacy, resilience, and interpersonal relations. Students will utilize the Academic And Career Excellence System (ACES) to help identify their strengths and challenges and create a Personal Success Plan (PSP). The course will enable students' explorations of workforce and college opportunities using their information from ACES and their PSP. Formerly SP099. Course Offering: As needed. Prerequisite: Individuals who score 236 in reading and in math.

**Student Learning Outcomes (SLOs):**

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

1. Develop skills to locate, evaluate, and interpret career information.
2. Identify career cluster and related pathways that match career and education goals.
3. Describe and apply elements of team-building, problem-solving, and decision-making as they relate to workplace and postsecondary education opportunities.

**SO110 INTRODUCTION TO COLLEGE LIFE (3)**

This course is designed to enhance students' ability to survive and prosper in the college environment. It includes a survey of academic rights and responsibilities, Guam Community College resources and organization program planning, study techniques, preparing for and taking tests, and interest inventories to assist in career planning. Formerly SP110. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Explain the academic rights and responsibilities of a college student.
2. Demonstrate skills needed to successfully study and pass tests.
3. Demonstrate an understanding of various careers and which ones match interests and abilities.

**SO130 INTRODUCTION TO SOCIOLOGY (3)**

Sociology is the scientific study of how people behave in groups and the rules that guide group behavior. Everyone is a member of societal groups and people experience different kinds of relationships and play multiple roles in groups. This course examines those groups, people's individual roles, interpersonal relationships, cultures, and families. This knowledge is helpful to everyone including managers and professionals in any field. This course is a required general education core course for all associate degree programs. Course offering: As needed. Prerequisites: EN100R, EN100W

**Student Learning Outcomes (SLOs):**

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

1. Identify how societies instill values in individuals, families and groups.
2. Demonstrate familiarity with other societies objectively utilizing the sociological imagination.
3. Contrast the four primary theoretical sociological perspectives.
4. Explain various degrees of poverty and inequality to include why these patterns continue to exist generation after generation.

**SS****SOCIAL SCIENCES****SS063 AMERICAN GOVERNMENT (3)**

This course focuses on the foundations of democracy in America, examining the operation of the legislative, executive, and judicial branches of government at the federal, state, and local levels. Topics covered include rights and responsibilities of citizenship, voting, political parties, interest groups, the US Constitution (including the Bill of Rights), bureaucracy, national policies relating to foreign policy, taxation, spending priorities, government regulations, and entitlement.

This course incorporates the College and Career Readiness Standards (CCRS) for Adult Education. The standards sharpen the focus on the close connection between comprehension of the text and attainment of knowledge. Relevant individualized instruction provides reading, writing, language, and speaking and listening activities to enable students to become empowered, competent, critical, and reflective in their assignments. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Make logical inferences about the importance of American Government and Politics.
2. Analyze the series of events which led to the creation of the United States Constitution and Bill of Rights.
3. Analyze U.S. documents of historical and literary significance for their themes, purposes, and rhetorical features.

**SS078 WORLD GEOGRAPHY (3)**

This course deals with the geography of the world. It encompasses a detailed examination and understanding of the location of the countries of the world, and the world's major geographical regions and landmarks. An understanding of the different climatic zones and weather regions is also covered in this course. Course offering: Spring only

**Student Learning Outcomes (SLOs):**

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

1. Locate and identify all countries and their capitals around the world.
2. Locate and identify all oceans, major rivers, mountain ranges and deserts.
3. Locate and identify major population groups around the world.

**SS081 US HISTORY I (3)**

This course focuses on the reconstruction of United States of America after the Civil War through World War II. The objective is to examine and evaluate the political, social and economic development of the United States during this era.

This course incorporates the College and Career Readiness Standards (CCRS) for Adult Education. The standards sharpen the focus on the close connection between comprehension of the text and attainment of knowledge. Relevant individualized instruction provides reading, writing, language, and speaking and listening activities to enable students to become empowered, competent, critical, and reflective in their assignments. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Make logical inferences about central issues during the Reconstruction Era to World War II.
2. Cite specific evidence from literary and informational texts that explains the importance of the various events during the Reconstruction Era to World War II.
3. Analyze the sequence of events and explain how specific events interacted and developed during the Reconstruction Era to World War II.
4. Write a narrative about the major economic developments and specific events during the Reconstruction Era to World War II.

**SS082 U.S. HISTORY II (3)**

This course focuses on the economic and political changes during the Cold and Vietnam War, including the Civil Rights movement, and the recent events and trends that have shaped present-day America.

This course incorporates the College and Career Readiness Standards (CCRS) for Adult Education. The standards sharpen the focus on the close connection between comprehension of the text and attainment of knowledge. Relevant individualized instruction provides reading, writing, language, and speaking and listening activities to enable students to become empowered, competent, critical, and reflective in their assignments. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Make logical inferences about central issues during the Cold and Vietnam War to present day America.
2. Cite specific evidence from literary and informational texts that explains the importance of the various events during the Cold and Vietnam War to present-day America.
3. Analyze the sequence of events and explain how specific events interacted and developed during the Cold and Vietnam War to present-day America.
4. Write a narrative about the major economic developments and specific events during the Cold and Vietnam War to present-day America.

**SS083 WORLD HISTORY I (3)**

This course explores World History from a global perspective. After examining the rise of civilizations in the Middle East and in Asia, the course will cover the development of societies-traditional and modern-in Asia, the Middle East and Africa, Europe, and the Americas. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Develop an understanding of the basic principles and theories involved with world civilizations in the Middle East, Asia, Africa, Europe, and the Americas.
2. Apply principles and theories to major events related to the rise and development of civilizations.
3. Develop an appreciation of world civilizations.

**SS084 WORLD HISTORY II (3)**

This course is a continuation of World History I, covering the development of societies-traditional and modern-Europe and the Americas on the influence of great personalities on world history. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Develop an understanding of the basic principles and theories involved with traditional and modern societies of Europe and the Americas.
2. Apply principles and theories to major events related to the influence of great personalities on world history.
3. Develop an appreciation of world civilizations.

**SS091 MULTICULTURAL WORKPLACES (3)**

This course is designed to prepare students to be successful through the development of interpersonal skills and cultural awareness to work productively with all people. Module One: Multicultural workplace, values, human relations, attitude and stress management. Module Two: Organizational chart, productivity, group development, Asian values and ethics. Module Three: Effective communication, cross-cultural communication, developing good relations with one's supervisor, conflict management. Course offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Complete various types of job applications, produce a written resume, and practice interview skills.
2. Demonstrate appropriate workplace attire, positive attitude, work ethics, initiative, and assume responsibility.
3. Describe major local and regional cultural groups and their values.
4. Practice enhanced human relation skills related to the workplace.
5. Demonstrate effective communication and conflict resolution skills.

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**SU**

**SURVEYING**

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**SU100 SURVEYING DRAFTING (3)**

This course deals with typical job responsibilities of an office draftsman or survey party chief in completing a graphic description of survey fieldwork. These descriptions/plans result from a great variety of engineering fieldwork requiring diverse methods of graphic resolution. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Discuss the roles of office draft persons or survey party chiefs.

2. Define common terminology in the surveying drafting career.
3. Explain the diverse engineering fieldwork and methods of graphic resolution used.

**SU101 SURVEYING PROBLEMS I (3)**

This is a mathematics course designed to give the student an understanding of the fundamentals of basic survey computation. Emphasis is placed on basic arithmetic, trigonometric and geometric operations pertaining to traverse, triangulation and general survey calculation. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate an understanding of basic mathematics needed for survey computations.
2. Apply basic arithmetic, trigonometry and geometric operations to given surveying problems.
3. Discuss and identify solutions to various surveying problems encountered in the work setting.

**SU230 ADVANCED SURVEYING (3)**

This course will cover advanced topics in surveying including highway and construction surveying, property and legal issues in boundary surveying, concepts of elementary geodetic surveying, and an overview of Global Positioning Systems (GPS) as applied to surveying for centimeter accuracy measurement. Course offering: As needed. Prerequisite: CE222

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate proficiency in the mathematical computations of horizontal and vertical surveys including the process of laying out horizontal and vertical curves.
2. Apply proper survey processes in construction surveys and layouts.
3. Demonstrate an understanding of boundary surveying and the legal aspects of property surveying.
4. Analyze boundary and property survey problems using applicable survey methods.
5. Demonstrate understanding of concepts of geodetic and GPS surveying.

**SU240 BOUNDARY LAW I (3)**

This course introduces the concepts of boundary control and legal principles. Topics covered include proportionate measurement, rights in land, junior/senior title rights, retracement of original surveys, deed first/survey first, common and case law, ranking/prioritizing evidence, controlling monuments and corners, error in legal descriptions, and plats and case studies. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate an understanding of boundary control and legal principles to include identification of error in legal descriptions.
2. Discuss legal principles such as deed/first/survey first, common and case law.
3. Define the basic elements of a boundary survey and the proper sequence of events/actions.
4. Evaluate boundary evidence and make decisions based on this ranking.
5. Identify controlling corners and boundaries.

**SU241 BOUNDARY LAW II (3)**

This course is a continuation of Boundary Law I and covers the subjects of evidence and procedures for determining real property boundaries. Statutes and case law, conflicting evidence, proper methods and procedures for collecting evidence, riparian rights, surface and subsurface rights and eminent domain are studied in detail. Boundary agreements and legal instruments prepared by the land surveyor are introduced. The role of the land surveyor as an expert witness is presented. Course offering: As needed. Prerequisites: SU240 and permission of Advisor.

**Student Learning Outcomes (SLOs):**

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

1. Explain in detail the subjects of evidence and procedures used for determining real property boundaries.
2. Demonstrate proficiency of reading legal instruments prepared by land surveyors.
3. Describe the surveyor's role in court cases.
4. Write a legal and technical description and prepare a surveyor's report.

**SU250 INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (3)**

This course will provide students with basic knowledge of Geographic Information Systems (GIS) (e.g., sources of GIS data, various data models). Special emphasis will be given to the manipulation of digital spatial vector data with application to cadastral surveys. One of the objectives of the course is to provide students with hands-on experience with GIS software and hardware components. The course emphasizes practical GIS skills. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Describe the fundamental concepts of GIS and the major functionality contained within the ArcGIS software.
2. Explain the GIS analytical process and be proficient with a variety of ArcGIS tools to solve realistic problems.
3. Demonstrate an understanding of the basics of geodatabase and the more advanced functionality that makes the geodatabase such a powerful data model.
4. Design presentation-quality maps and create a person geodatabase.

### **SU251      ADVANCED GEOGRAPHIC INFORMATION SYSTEMS (3)**

This course is a more advanced study of Geographic Information Systems (GIS) with particular emphasis on manipulation and analysis of raster data. This course will also provide introduction to ArcGIS Spatial Analyst and 3D Analyst. Course offering: As needed. Prerequisite: SU250

#### **Student Learning Outcomes (SLOs):**

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

1. Produce and control raster data using ArcGIS Spatial Analyst.
2. Work within the new ArcGIS geoprocessing environment to create, execute, and automate spatial analysis work-flows.
3. Analyze three-dimensional modeling using ArcGIS 3D Analyst software.
4. Create realistic models by draping aerial photographs over surfaces and displaying two-dimensional features in three dimensions.

### **SU280      SPECIAL TOPICS IN GEOGRAPHIC INFORMATION SYSTEMS (3)**

This course will introduce students to the applications of Geographic Information Systems (GIS) in cadastral and land information systems and in land use planning. Geographic data is increasingly important in understanding society and the environment. Using advanced tools and software, students will have an opportunity to focus on local and global planning problems. Course offering: As needed. Prerequisite: SU250

#### **Student Learning Outcomes (SLOs):**

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

1. Produce and manipulate cadastral data and create parcel data using the Survey Analyst Extension and the Cadastral Editor tools in the ArcGIS software.
2. Apply Survey Analyst GIS tools on cadastral datasets and perform analysis of these datasets to ensure survey accuracy.
3. Use ArcGIS tools to address real-world social, economic, and environmental planning problems.

### **SU292      SURVEYING PRACTICUM (1)**

This course covers the application of field and office techniques related to the lessons covered in the surveying and drafting courses. Students will do actual field and office survey work to learn proper use of surveying and related instruments including computers and data collectors. Course offering: As needed. Prerequisite: CE222

#### **Student Learning Outcomes (SLOs):**

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

1. Demonstrate proficiency in the operations of typical survey instruments including electronic total stations, levels, and data collectors.
2. Apply proper field operations in traversing, leveling, and topographic surveying.
3. Demonstrate proficiency in the preparation of survey drawings using computer aided surveying software.
4. Transfer data to and from survey instruments, data collectors, and computers.
5. Demonstrate an understanding of errors and error propagation field work.

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## **TH                      INTRODUCTION TO THEATER**

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### **TH101      INTRODUCTION TO THE THEATER (3)**

This course is designed to provide a basic introduction to the study of theatre. It explores theatre as a fine art and how theatre practitioners work. Course lectures include theatre history and production practices. Attendance at a local theatre production is recommended. Students will collaborate in the making of a short, fully-realized production. Course Offering: As needed.

#### **Student Learning Outcomes (SLOs):**

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

1. Analyze the elements of a play to appreciate theatre as an art.
2. Develop a clear understanding of theatre history and recent developments.
3. Implement production practices.

<b>VC</b>	<b>VISUAL COMMUNICATIONS</b>
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**VC101 INTRODUCTION TO VISUAL COMMUNICATIONS (3)**

This course introduces graphic media principles and concepts. The course emphasizes the historical development and current uses and applications of the various visual and audio processes in digital media production. Course Offering: As needed.

**Student Learning Outcomes (SLOs):**

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

1. Identify the six typeface families and demonstrate how each one expresses a mood.
2. Analyze the use of injurious imaging, prejudicial thinking, and stereotyping in visual media.
3. Explain the ethical and legal standards regarding the use of visual media theatre history and recent developments.

**VC102 DESIGN PRINCIPLES AND ELEMENTS (3)**

This course will provide graphic artist students with basic knowledge ability to create effective graphic design. Formerly VC101. Course offering: As needed. Prerequisites: VC125, VC126

**Student Learning Outcomes (SLOs):**

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

1. Apply procedures to solve design problems while considering the factors of materials, tools (computer, camera), style, choice and creative license.
2. Recognize and apply the elements of graphic design including space, line, shape, value, texture and color space and balance, contrast and variation.
3. Use basic analog (drawing) and digital (computer) methods to create graphic design projects.
4. Select effective typography and text composition in graphic design.
5. Think conceptually about the meaning of text and image in combination.
6. Demonstrate an understanding of three-dimensional design.

**VC125 DIGITAL GRAPHICS: PHOTOSHOP® (3)**

This course is designed to provide students with fundamental knowledge and skills with the industry-standard raster image editing tools of Adobe PhotoShop to produce graphics for print and for the Web. Formerly VC121. Course offering: Fall & Spring

**Student Learning Outcomes (SLOs):**

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

1. Understand and use the vocabulary of Photoshop activity.
2. Apply the principles of good graphic design to computer graphic projects.
3. Navigate with the tools of Photoshop to create and edit graphics for print and for the web.
4. Employ basic photo and scan editing and corrections including cloning, healing and patching.
5. Use layers, masks paths and channels to produce graphic images.
6. Differentiate between vector and raster (bit-map) graphics.
7. Prepare images for two-color printing.
8. Produce and print consistent color.
9. Optimize web images and image maps.

**VC126 DIGITAL GRAPHICS: ILLUSTRATOR® (3)**

This course presents the use of the industry-standard vector image creation tools of Adobe Illustrator to produce graphics and typography for print and for the Web. Using Illustrator is profoundly necessary in digital graphics production. Formerly VC122. Course offering: Fall & Spring

**Student Learning Outcomes (SLOs):**

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

1. Apply the principles of good graphic design to create artwork required by computer graphic projects.
2. Work with type including creation of type, type masks, formatting and wrapping text.
3. Understand the tools and procedures of Illustrator and navigate to the proper tool to create and edit graphics for print and for the web.
4. Understand and use the common vocabulary of Illustrator.
5. Combine Illustrator graphics and Photoshop images.
6. Draw cylinders and boxes and use gradients and brushes to draw shapes.
7. Create images for web publication including exporting in GIF and JPEG formats.

**VC131 DESKTOP PUBLISHING (3)**

This course is designed to provide students with the basic knowledge and skills for desktop publishing (DTP). The application used in the course is QuarkXpress, an industry standard. Course offering: Spring only. Prerequisite: VC102

**Student Learning Outcomes (SLOs):**

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

1. Understand the standard vocabulary of desktop and print publishing.
2. Use application tools and functions common to desktop publishing and page layout software.
3. Locate and choose fonts needed for DTP projects.
4. Employ palettes and apply functions common to DTP including color, layout style sheets and measurements.
5. Setup up documents using forms, rules and tables.
6. Distinguish between effective usage of inkjet and laser printers.
7. Use efficient digital project file management.
8. Practice efficient working techniques.

**VC141 WEB DESIGN (3)**

Students learn the basics of planning, constructing, testing, publishing, marketing and maintaining a web-site in this course. They also learn to use Dreamweaver to actually design a web-site. Course offering: As needed. Prerequisite: VC102

**Student Learning Outcomes (SLOs):**

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

1. Produce a simple multi-page web-site.
2. Use effective web typography.
3. Upload web sites and modifications to web servers.
4. Employ current practices of web-site graphics.
5. Create Cascading Style Sheets.
6. Write simple HTML coding.
7. Create rollover buttons.

**VC145 MACROMEDIA SUITE (3)**

This course introduces Flash and advances skill with Fireworks and Dreamweaver to develop animations and interactive actions for web-sites. Formerly VC142. Course offering: As needed. Prerequisites: VC102, VC141

**Student Learning Outcomes (SLOs):**

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

1. Create web site photo viewers.
2. Demonstrate advanced design techniques with Fireworks.
3. Include movies and filmstrips in web pages.
4. Design and create animations including animated maps with Flash.
5. Employ Computer-Generated Imagery (CGI) and other interactive actions.

**VC161 VIDEO I (3)**

This course introduces the basic video production process including conceptualization, storyboarding, shooting and editing. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Produce simple video productions from planning through editing.
2. Plan and create storyboards for video productions and shoot video according to plans.
3. Operate a variety of video cameras and use a variety of camera moves with hand-held and studio cameras.
4. Understand and use the common vocabulary of video productions.
5. Use and control natural and artificial lighting.
6. Demonstrate use of a variety of industry-standard shots.
7. Employ a variety of microphones and audio mixers used in audio recording.
8. Employ simple computer digital editing including titling and audio dubbing.

**VC165 DIGITAL EDITING: FINAL CUT PRO (3)**

This course presents video editing using a powerful and well-accepted editing application. This course is advanced editing. Formerly VC162. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Capture video and import audio into the computer to establish the content for the editing process.
2. Apply animation to incorporate motion to still images.
3. Add and edit voice and music tracks.
4. Understand and use the common vocabulary of digital video editing.
5. Use the tools, commands and procedures of Final Cut Pro.
6. Cut up shots and build video sequence of shots.

7. Create titles and credits in a variety of styles.
8. Convert video to various final export formats including DVD and Web.

### **VC172 IMAGING CONCEPTS AND ELEMENTS (3)**

Because a picture is worth a thousand words, students learn what it takes to get the perfect picture in this course. This three-part course covers the tried-and-true techniques in capturing the right image from anyone's camera, the different processes in digitizing it into the computer, and the various methods in manipulating it to anyone's heart's desire. Course offering: As needed

#### **Student Learning Outcomes (SLOs):**

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

1. Understand and use the common vocabulary and terms of cameras, scanning and digital imaging.
2. Recognize and apply the elements of effective aesthetic composition to produce good photographs with cameras.
3. Use camera controls of focus, shutter speed and f-stop to vary light entering the camera for effective photography.
4. Utilize studio lighting principles for basic portraiture and small product photography.
5. Scan photos, negatives, slides and printed images, including text, to produce digital images.
6. Employ basic digital photo and image editing using the software included with scanners and other simple computer editing applications.

### **VC211 DESIGN I (3)**

Students will learn to use powerful desktop publishing tools such as Adobe InDesign, which can be used with other professional graphics applications to produce professional quality, full color output on high volume color printing presses or a wide range of output devices and formats, such as desktop printers, PDF files, HTML files. Formerly VC135 Course offering: Spring only.

Prerequisites: VC101, VC125, VC126, VC127 (formerly VC172), and VC128 (formerly VC102). Corequisite: VC212 (formerly VC131)

#### **Student Learning Outcomes (SLOs):**

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

1. Use Adobe InDesign® publishing software to complete page layouts and designs for a variety of professional publishing purposes.
2. Utilize professional graphic design, layout, and typography techniques.
3. Import existing files from word processing and raster and vector graphics programs into the publishing program.
4. Produce sophisticated layouts including text and graphic images.

### **VC291 PROJECT MANAGEMENT AND MARKETING SOLUTIONS (3)**

This course integrates all the skills and concepts acquired in the required 100 level courses. Students conceptualize, plan, and produce visual graphics projects according to client-based criteria. Students use the knowledge and skills developed in the prerequisite classes. Students develop production schedules and learn to manage their tasks within a deadline. Students develop interpersonal relationship skills working with clients and team members. Emphasis is placed on developing solutions, remaining focused, being flexible, and cooperating with team members to complete visual communications projects in a variable, pressured environment. Formerly VC201. Course Offering: Spring only. Prerequisite: VC211, VC212, VC221, VC222, VC231, VC232, MK224.

#### **Student Learning Outcomes (SLOs):**

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

1. Use cooperative teamwork for visual communications problem solving.
2. Research potential products identifying customers to be targeted.
3. Conceptualize and create visual messages for clients and customers using print, video and web media.

### **VC292 VISUAL COMMUNICATION PRACTICUM (3)**

The Work Experience program provides an opportunity for qualified students to receive credit and work experience in the Visual Communications field. Students serve under qualified professionals to practice skills and gain insights in the industry. Students will be employed in the private and/or government (non-education) arena. College regulations regarding Co-Op work Learn apply. Formerly VC298 Course Offering: Course offering: As needed. Prerequisite: VC101, VC102, VC125, VC126, VC131, VC141, VC161, MK123 (or permission), MK224, and permission of the Department Chair and the Work Experience Coordinator.

#### **Student Learning Outcomes (SLOs):**

Upon completion of this course, students will be able to:

1. Develop visual communications skills in a dynamic environment.
2. Work harmoniously with co-workers, clients, and supervisors.
3. Exhibit ethical behavior at work.



4. Communicate more effectively.
5. Exhibit professionalism.
6. Conceptualize and create visual messages for the host using print, video and web media.

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<b>WA</b>	<b>WATER</b>
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**WA210 TREATMENT PROCESSES AND PROCEDURES (3)**

This course focuses on potable and waste water treatment processes using waterworks troubleshooting techniques. WA210 is designed to prepare persons working in the waterworks sector to foresee, plan, and implement strategies for maintaining environmental and water quality as outlined in the USEPA's Safe Water Drinking Act, Water Pollution Control Act, and National Environmental Policy Act. Course offering: As needed. Prerequisites: WT100, MA095

**Student Learning Outcomes (SLOs):**

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

1. Recognize and understand potable and waste water treatment processes, regulatory standards, and maintenance practices.
2. Identify and select processes that yield the most effective treatment.
3. Predict the efficiency of treatment processes, using waterworks troubleshooting techniques.
4. Recognize and utilize safe practices for operating potable and waste water equipment and/or appurtenances.
5. Recognize and understand the biological, chemical, microbial, and physical relationships within waterworks treatment processes.

**WA215 WATER DISTRIBUTION SYSTEMS (3)**

This course prepares students with the knowledge and skills required for operator certification. WA215 is designed to prepare persons working in the waterworks sector to foresee, plan, and implement strategies for maintaining environmental and water quality as outlined in the United States Environmental Protection Agency's (USEPA's) Safe Water Drinking Act, the Water Pollution Control Act, and the National Environmental Policy Act (NEPA). Course offering: As needed. Prerequisites: WT100, MA095

**Student Learning Outcomes (SLOs):**

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

1. Recognize and understand water distribution system nomenclature, components, and NEPA standards.
2. Identify water distribution modes and their methods for operation.
3. Predict the efficiency of a water distribution system using waterworks problem solving and/or troubleshooting techniques.
4. Recognize and utilize safe practices for operating and managing a water distribution system and its appurtenances.
5. Recognize and understand the subject matter required for operator certification.

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<b>WE</b>	<b>WELDING</b>
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**WE115 METAL FABRICATION (3)**

Students develop fabrication knowledge and skills in cutting and assembling projects from given specifications using various hand tools, power tools and machines. Course offering: As needed. Co-requisites: CT196A, CT197A

**Student Learning Outcomes (SLOs):**

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

1. Accurately cut a variety of metal structural shapes.
2. Accurately bend select types of metal.
3. Accurately fit select angles as determined by particular projects.

**WE220 EQUIPMENT MAINTENANCE (2)**

Training is given in equipment component nomenclature, cleaning and refurbishing of electrical and mechanical parts and safety procedures in maintaining equipment functions. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Disassemble oxyfuel gages and electric arc welders
2. Determine which components need to be replaced or adjusted within a given unit.
3. Reassemble each electrical and mechanical component to a functioning level.

**WE228 BASIC METALLURGY (3)**

This course offers instruction in metals of classification and their manufacture. Joining methods and processes, structure of

metals, mechanical properties, effects of alloying, fluxes, preheating, post heating and general head treatment are also examined.  
Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate an understanding of basic terminology involved with metallurgy.
2. Demonstrate basic methods and processes involved in metallurgy.
3. Demonstrate knowledge of the elements that contribute to characteristics of ally steel.

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<b>WT</b>	<b>WATERWORKS TECHNOLOGY</b>
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**WT100 INTRODUCTION TO WATERWORKS TECHNOLOGY (3)**

Introduction to Waterworks Technology is a three-credit course designed for a waterworks operator or prospective operator. This course provides basic knowledge of water and wastewater treatment, microbial, physical, and chemical analysis, a basic introduction to fluid transport and hydraulics and in-depth examination of water treatment operations. Course offering: As needed

**Student Learning Outcomes (SLOs):**

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

1. Recognize the sources, sinks, and potential contaminants of water.
2. Describe various water and wastewater treatment and distribution methods.
3. Apply physical concepts (e.g., fluid motion, hydraulics, etc.) to design or evaluate the soundness of a water or wastewater treatment system.
4. Identify physical, biological, and chemical parameters critical for operating a water or wastewater treatment facility.
5. Indicate appropriate tests to monitor water and wastewater quality.
6. Demonstrate an understanding of local and federal water quality regulations.

**WT110 INTRODUCTION TO WATERWORKS SCIENCE (3)**

This course is designed to prepare individuals working in the waterworks sector to foresee, plan, and implement strategies for maintaining environmental and water quality as outlined in the United States Environmental Protection Agency (USEPA's) Safe Water Drinking Act, Water Pollution Control Act, and National Environmental Policy Act. Course offering: As needed.  
Prerequisites: WT100, MA095

**Student Learning Outcomes (SLOs):**

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

1. Demonstrate understanding of waterworks specific nomenclature, regulatory standards, and academic subject matter for operator licensing examinations.
2. Identify waterworks treatment modes and their methods for operation.
3. Predict the efficiency of treatment methods using waterworks problem solving and/or troubleshooting techniques.
4. Recognize and utilize safe practices for operating various equipment within a waterworks treatment facility, or its distribution or collections system.
5. Recognize and demonstrate understanding of the biological, chemical, microbial, and physical relationships within a waterworks treatment facility or its distribution or collections system.

**WT140 MANAGEMENT OF WATER AND WASTEWATER SYSTEMS (3)**

This course focuses on environmental and regulatory compliance using Best Methods and Practices (BMP) for potable water and domestic wastewater treatment, as well as their respective distribution and collection systems. WT140 is designed to prepare individuals working in waterworks to foresee, plan, and implement strategies for maintaining environmental compliance, as outlined in the United States Environmental Protection Agency's (USEPA) Clean Water Act, Safe Drinking Water Act, Water Pollution Control Act, and National Environmental Policy Act. Formerly WA200 & WW220. Course offering: As needed.  
Prerequisites: WT110, MA095 or higher

**Student Learning Outcomes (SLOs):**

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

1. Recognize and demonstrate understanding of water-based constituents (e.g., bacterial, chemical, microbiological, radiological, and viral) that are regulated within the waterworks industry.
2. Recognize and demonstrate understanding of potable water and domestic wastewater regulatory standards, and their respective sampling protocols.
3. Predict compliance by using *Standard Methods for the Examination of Water and Wastewater*.

Identify and apply "Best Methods and Practices" to ensure waterworks systems operate within regulatory compliance and/or standards.

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**WW** | **WASTEWATER TECHNOLOGY**

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**WW200 PRIMARY TREATMENT (4)**

This course focuses on the primary stages of treatment for domestic wastewater treatment systems, both its operations and mechanical components. WW200 is specifically designed to prepare individuals working within a domestic wastewater facility to foresee, plan, and implement strategies for operating and maintaining an efficient and safe facility, as regulated by the United States Environmental Protection Agency's (USEPA's) Water Pollution Control Act and National Environmental Policy Act. Course offering: As needed. Prerequisites: WT110 and MA095 or higher

**Student Learning Outcomes (SLOs):**

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

1. Recognize the sources, sinks, and potential contaminants of water.
2. Describe various water and wastewater treatment and distribution methods.
3. Apply physical concepts (e.g., fluid motion, hydraulics, etc.) to design or evaluate the soundness of a water or wastewater treatment system.
4. Identify physical, biological, and chemical parameters critical for operating a water or wastewater treatment facility.
5. Indicate appropriate tests to monitor water and wastewater quality.
4. Demonstrate an understanding of local and federal water quality regulations.

# **Governing Board, Administration and Faculty**

(as of June 2017)

**GOVERNING BOARD & ADMINISTRATION**

**BOARD OF TRUSTEES**

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John T. Benito.....	Member
Luke Fernandez.....	Student Member
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Kenneth C. Bautista.....	Support Staff Advisory Member
Mary A.Y. Okada, Ed.D, AIF.....	Chief Executive Officer/President
Bertha M. Guerrero.....	Board Recording Secretary

**OFFICE OF THE PRESIDENT**

Mary A.Y. Okada, Ed.D, AIF.....	President
Jayne T. Flores.....	Assistant Director, Communications & Promotions
Dennis J. Santo Tomas.....	Program Specialist, Peace Officer Standards and Training Commission
Bonnie Mae M. Datuin.....	Program Specialist, Development & Alumni Relations
Danilo Philbert C. Bilong.....	Program Specialist, Development & Alumni Relations
Doris U. Perez.....	Assistant Director, Planning & Development
Francisco E. Palacios.....	Sustainability and Projects Coordinator, Planning & Development
Priscilla C. Johns.....	Program Specialist, Planning & Development
Franklin P. Arriola, Jr.....	Program Specialist, Planning & Development, Facility Project Manager

**OFFICE OF THE VICE PRESIDENT FOR ACADEMIC AFFAIRS**

Rene Ray D. Somera, Ph.D.....	Vice President, Academic Affairs
Rowena Ellen Perez.....	Assistant Director, Continuing Education & Workforce Development
Terry L. Barnhart.....	Program Specialist, Apprenticeship Training Program
Philip C. Guerrero.....	Program Specialist, Continuing Education & Workforce Development
Tina M. Quinata.....	Coordinator, Admissions and Registration
Marlena O.P. Montague.....	Assistant Director, Assessment, Institutional Effectiveness & Research
Anjelica Claire U. Perez.....	Institutional Researcher, Assessment, Institutional Effectiveness & Research
Ana Mari C. Atoigue.....	Administrative Officer

**SCHOOL OF TRADES AND PROFESSIONAL SERVICES**

Virginia C. Tudela, Ph.D.....	Dean, School of Trades & Professional Services
Elizabeth P. Diego, Ph.D.....	Associate Dean, School of Trades & Professional Services
Pilar A. Williams.....	Associate Dean, School of Trades and Professional Services
Dorothy-Lou M. Manglona, R.N.....	Nursing and Allied Health Administrator
Ava M. Garcia.....	Program Specialist, Adult Basic Education

**SCHOOL OF TECHNOLOGY AND STUDENT SERVICES**

Michael L. Chan, Ed.D.....	Dean, School of Technology & Student Services
Ronald Gary Hartz.....	Associate Dean, School of Technology & Student Services
Huan F. Hosei.....	Program Specialist, Student Support Services/Night Administration
Barbara B.B. Leon Guerrero.....	Program Specialist, Center for Student Involvement
Christine B. Sison.....	Program Specialist, Academic Advising & Career Placement
John F. Payne.....	Program Specialist, Accommodative Services
Julie Ulloa-Heath, Ed.D.....	Program Specialist, Reach for College
Fermina A. Sablan.....	Program Specialist, /Project Aim

**OFFICE OF THE VICE PRESIDENT FOR FINANCE AND ADMINISTRATION**

Carmen Kwek Santos, CPA, AIF.....	Vice President, Finance and Administration
Edwin E. Limtuatco.....	Controller, Business Office
Joann Waki Muña, SHRM-SCP,SPHR.....	Administrator, Human Resources
Esther A. Rios.....	Coordinator, Financial Aid
Francisco C. Camacho.....	Administrator, Data Processing Systems/MIS
Joleen M. Evangelista.....	Procurement and Inventory Administrator
Gregorio T. Manglona.....	Administrator, Environmental Health & Safety
Wesley T. Gima.....	Program Specialist, Finance and Administration

**EEO OFFICE and TITLE IX OFFICE**

Esther A. Rios.....	EEO Compliance Officer
Dennis J. Santo Tomas.....	Title IX Coordinator

**GUAM COMMUNITY COLLEGE ADMINISTRATORS****Arriola, Jr., Franklin P.**

Program Specialist, Planning and Development  
 B.B.A. Finance & Economics  
 University of Guam 2014

**Barnhart, Terry L.**

Program Specialist, Apprenticeship Training Program  
 B.A. Sociology  
 Washington State University 1977

**Bilong, Danilo Philbert C.**

Program Specialist, Development & Alumni  
 Relations

M.A. Education Science

University of Perpetual Help Rizal 1998

B.S. Nursing

Pines City Educational Center 1991

**Camacho, Francisco C.**

Data Processing Systems Administrator, MIS

M.S. Instructional Technology &

Telecommunications

Western Illinois University 2002

B.B.A. Management

University of Guam 1988

A.S. Computer Science

Guam Community College 1989

IT Business Manager Certificate

Certified Novell Administrator NetWare 5

Certified Novell Engineer

Microsoft Certified Systems Administrator

Microsoft Certified Systems Engineer

Microsoft Certified Professional

Check Point Fire Wall-1

Check Point Certified Security Expert

Check Point Certified Security Administrator

**Chan, Michael L., Ed.D.**

Dean, Technology & Student Services

Ed. D. Educational Leadership

Argosy University 2011

M.Ed. Education

University of Portland 2003

B.A. Mathematics

California State University, Sacramento 1999

**Cruz, John T.**

President Emeritus, June 1988-June 2000

M.Ed. Administration and Supervision

University of Guam 1983

B.A. Secondary Education, General Social Science

University of Guam 1973

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Program Specialist, Development & Alumni  
 Relations

B.A. Psychology

University of Guam 2001

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Associate Dean, Trades and Professional Services

Ph.D. Leadership Studies

Gonzaga University 2010

M.Ed. Education

University of Portland 2000

B.A. Secondary Education & Anthropology

University of Guam 1986

**Evangelista, Joleen M.**

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M.A. English

University of Guam 2011

B.S. Journalism

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M.P.A. Public Administration

University of Guam 2007

B.S. Criminal Justice

University of Guam 2006

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B.S. Agriculture

University of Guam 2004

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M.Ed. College Student Personnel Administration

Colorado State University 1989

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Miami University 1987

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San Diego State University 2003

B.A. Anthropology

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B.B.A. Management  
University of Guam 1981

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Controller, Business Office  
B.B.A. Accounting  
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Nursing  
M.S. Nursing  
University of Phoenix 2012

B.S. Nursing  
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**Manglona, Gregorio T.**

Environmental Health & Safety Administrator  
Richmond High 1972

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Assistant Director, Assessment, Institutional  
Effectiveness & Research  
M.S. Computer Information Systems  
University of Phoenix, 2006

B.S. Business Administration: Management  
Information Systems  
California State University 1993

Certified A+ Professional

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Human Resources Administrator

M.P.A. Public Administration  
University of Guam 1997

B.S. Public Administration  
University of Guam 1993

Senior Professional in Human Resources  
Human Resource Certification Institute 2003  
SHRM Senior Certified Professional

Society for Human Resources Management 2015

**Okada, Mary A.Y., Ed.D., AIF**

President

Ed.D. Educational Leadership  
University of Phoenix 2009

M.P.A. Public Administration  
University of Guam 1997

B.B.A. Accounting & Management  
University of Guam 1988

Accredited Investment Fiduciary  
Center for Fiduciary Studies 2016

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Development

M.Ed. Curriculum and Instruction  
Concordia University 2013

B.A. Communication Studies  
University of Guam 2010

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Program Specialist, Accommodative Services  
M.H.R. Human Relations  
University of Oklahoma 1991

B.S. Social Science  
University of Guam 1985

Internationally Certified Alcohol & Drug Counselor  
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**Perez, Anjelica Claire U.**

Institutional Researcher, Assessment, Institutional  
Effectiveness, & Research  
M.S. Forensic Science  
Towson University 2015

B.S. Biology  
Saint Martin's University 2013

**Perez, Doris U.**

Assistant Director, Planning & Development  
B.S. Business Administration/Accounting  
California State University, Los Angeles 1984

**Perez, Rowena Ellen**

Assistant Director, Continuing Education &  
Workforce Development  
M.A. Counseling

University of Guam 2013  
B.S. Health and Safety

Indiana University 1987

**Quinata, Tina M.**

Coordinator, Admissions and Registration  
M.S. Organizational Leadership  
Colorado State University 2014

M.A. Organizational Management  
Ashford University 2010

B.A. Business Administration  
Ashford University 2009

**Rios, Esther A.**

Financial Aid Coordinator, Financial Aid/EEO  
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M.A. Counseling  
University of Guam 2008

B.A. Psychology  
University of Guam 2002

**Sablan, Fermina A.**

Program Specialist, Trio-Project Aim  
M.P.A. Public Administration

University of Guam 2007

B.B.A. Business Administration Human Resources  
Management

University of Guam 2006

**Santo Tomas, Dennis J.**

Executive Director, Peace Officer Standards and  
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M.S.S. Strategic Studies  
United States Army War College 2003

B.S. Business Administration  
Oregon State University 1980

**William, Pilar A.**

Associate Dean, Trades and Professional Services

M.A. Catholic School Leadership

University of San Francisco 2007

B.A. Behavioral Science

Mount Mary College 1991

**Santos, Carmen Kwek, CPA, AIF**

Vice President for Finance and Administration

M.B.A. Business Administration

University of Phoenix 2010

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Washington State University 1993

Certified Public Accountant

Guam Board of Accountancy 1996

Accredited Investment Fiduciary

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**Sison, Christine B.**

Program Specialist, Academic Advising & Career Placement

M.P.A. Public Administration

University of Guam 2002

B.B.A. International Business

Seattle University 1995

**Somera, Rene Ray D., Ph.D.**

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Ph.D. Anthropology

Michigan State University 1991

M.A. Anthropology

Michigan State University 1988

M.A. Philippine Studies (Interdisciplinary)

University of the Philippines 1983

B.A. Communication Arts (Writing)

University of the Philippines at Los Banos 1977

**Tudela, Virginia C., Ph.D.**

Dean, Trades and Professional Services

Ph.D. Education

University of Southern California 2002

M.P.A. Public Administration

University of Guam 1997

B.B.A. Management

University of Guam 1992

**Ulloa-Heath, Julie, Ed.D.**

Program Specialist, Reach for College

Ed.D. Leadership Studies

University of San Diego 2003

M.S. Educational Leadership

Troy State University 1994

B.A. Psychology

University of Guam 1982

A.A. Liberal Arts

Kemper Military School and College 1980



**GUAM COMMUNITY COLLEGE FACULTY****Aguilar, Norman L.**

Assistant Professor, Tourism &amp; Hospitality

M. Ed. Education

University of Portland 2008

M.B.A. Business Administration

University of Guam 1999

B.A. Business Administration

University of Guam 1991

ServSafe Food Protection Manager Certification

National Restaurant Association Education

Foundation 2008

**Analista, Hernalin R.**

Assistant Professor, Assessment &amp; Counseling

M.A. Counseling

University of Guam 2002

B.A. Psychology

University of Guam 1998

**Arce, Imelda D.S.**

Instructor, Enrollment Services

B.B.A. Marketing

University of Guam 1989

**Artero, Jennifer B., R.N.**

Assistant Professor, Practical Nursing Program

M.S. Nursing

University of Phoenix 2012

B.S. Nursing

University of Texas at El Paso 1994

Registered Nurse, Guam License

**Atalig, Adrian M.**

Instructor, Electronics

M.I.T. Information Technology

American InterContinental University 2013

B.A. Computer Information Systems

University of Guam 2004

A.A.S. Electronics Technology

Heald Institute of Technology 1989

Cisco Certified Network Associate

A+ Certified Professional

Network+ Certified Professional

Microsoft Certified Professional

Microsoft Certified Technical Specialist

Microsoft Certified System Engineer

**Balbin, Sandy R.**

Associate Professor, Business

M.Ed. Education

University of Portland 1996

B.A. Biology and Psychology

University of Guam 1984

A.S. Computer Science

Guam Community College 1987

Certificate Travel &amp; Ticketing Operations

Guam Community College 2000

Microsoft Office 2010 Certified Specialist (Access, Excel, PowerPoint &amp; Word)

Microsoft Office 2010 Certified Specialist Master

Microsoft Office 2010 Certified Expert (Excel &amp; Word)

**Bataclan, Emma R., R.N.**

Instructor, Health Services Center

B.S. Nursing

St. Joseph College, Philippines 1979

Registered Nurse, Guam License

**Blas, Doreen J.**

Associate Professor, Tourism &amp; Hospitality

Graduate Diploma, Teaching English as a Second Language

South Australian College of Advanced Education 1983

B.A. Japanese Language

University of Hawaii 1978

**Bollinger, Simone E.P.**

Assistant Professor, English

M.Ed. Language and Literacy

Harvard University 2010

B.A. English

Dickinson College 2005

**Calbang, Joelines P.**

Assistant Instructor, Electronics

A.S. Computer System and Network Technology

AMA Computer Learning Center 2003

A.S. Computer System Design and Programming

AMA Computer Learning Center 2003

**Cejoco, Jose L.**

Instructor, Automotive

B.S. Business Administration

University of the East, Philippines, 1979

ASE Advanced Level Specialist

**Cepeda, Nita Jeannette P.**

Instructor, Visual Communications

B.A. Communication Studies

University of Guam 1986

**Chargualaf, Katherine M.**

Assistant Instructor, Marketing

A.S. Marketing

Guam Community College 1996

**Chong, Eric K. L.**

Professor, Tourism &amp; Hospitality

M.H.R. Human Relations

University of Oklahoma 2000

B.A. Business Administration

Washington State University 1982

B.A. Hotel &amp; Restaurant Administration

Washington State University 1982

Certified Customer Service Specialist (CSS)

Electronics Technicians Association International (ETAI) 2000

Certified Hotel Administrator (CHA)

Educational Institute of the American Hotel &amp; Lodging Association (EI/AH&amp;LA) 1998

- Certified Hospitality Educator (CHE)  
Educational Institute of the American Hotel & Lodging Association (EI/AH&LA) 1998
- Certified Rooms Division Executive (CRDE)  
Educational Institute of the American Hotel & Lodging Association (EI/AH&LA) 1997
- ServSafe Food Protection Manager Certification  
National Restaurant Association Education Foundation 2008
- Concepcion, Jonah M.**  
Assistant Professor, Social Science  
M.S. Higher Education  
Capella University 2017  
M.P.A. Public Administration  
University of Guam 2006  
B.S. Criminal Justice  
University of Guam 2005
- Concepcion, Tonirose R., Ph.D.**  
Associate Professor, Business  
Ph.D. Postsecondary and Adult Education  
Capella University 2015  
M.Ed. Education, Administration & Supervision  
University of Guam, 2009  
B.B.A. Business Administration, Accounting & Secondary Education  
University of Guam, 2007
- Cosico, Narciso H.**  
Instructor, Tourism & Hospitality  
B.S. Hotel and Restaurant Management  
University of Santo Tomas 1986
- Cruz, Carol R.**  
Assistant Professor, Tourism & Hospitality  
M.B.A. Business Administration  
University of Guam 1999  
B.B.A. Business Administration  
University of Guam 1991
- Cruz, Donna M., Esq.**  
Professor, Criminal Justice/Social Science  
J.D. Law  
University of San Diego Law School 1990  
B.S. Management and Marketing  
University of Guam 1985
- Cruz, Jesse Q.**  
Assistant Instructor, Automotive  
A.S. Occupational Studies, Automotive and Diesel Technology  
Universal Technology Institute Phoenix 1996  
ASE Certified Master Automobile Technician
- Datuin, Theresa A. H., Ed.D.**  
Associate Professor, School of Career & College Success  
Ed.D. Educational Leadership  
Argosy University 2014  
M.S. Environmental Science  
University of Guam, 2009  
B.A. Math & Secondary Education  
University of Guam 2001
- De Oro, Vera S.**  
Assistant Professor, School of Career & College Success  
M.A. Counseling  
University of Guam 2006  
B.A. Special Education  
University of Guam 1982
- Dela Cruz, Tressa C.**  
Assistant Professor, English  
M.Ed. Language and Literacy  
University of Guam 2004  
B.A. English  
University of Guam 2001
- Delos Santos, Maria Cecilia H., R.N.**  
Assistant Professor, Allied Health  
M.H.R. Human Relations  
University of Oklahoma 2004  
B.S. Nursing  
University of Guam 1990  
A.S. Nursing  
University of Guam 1986  
Registered Nurse, Guam License
- Dennis, Christopher T.**  
Instructor, Automotive/Transportation  
A.A. Education  
Guam Community College 2010  
Certificate Education  
Guam Community College 2010  
ASE Certified Master Automobile Technician
- Dingcong, David John P.**  
Instructor, Tourism & Hospitality  
B.B.A. International Tourism and Hospitality Management  
University of Guam 2011
- Dumchus, Karen I., R.N.**  
Instructor, Allied Health  
A.A. Nursing  
Bucks County Community College 1981  
Registered Nurse, Guam License
- Egana, Joel E.**  
Instructor, Automotive  
A.A. Education  
Guam Community College 2010  
Certificate Education  
Guam Community College 2010  
ASE Certified Master Automobile Technician
- Ellen, Deborah, Ed.D.**  
Assistant Professor, Education  
Ed.D. Instructional and Curriculum Leadership  
Northcentral University 2014  
M.A. Education  
Northern Michigan University 1995  
B.A. Elementary Education  
Michigan State University 1985

**Evangelista, Frank F.**

Instructor, Tourism & Hospitality  
 A.S. Food and Beverage Management  
 Guam Community College 2006  
 Certified Hospitality Educator (CHE)  
 Educational Institute of the American Hotel &  
 Lodging Association (EI/AH&LA) 2001  
 Certified Food & Beverage Executive (CFBE)  
 Educational Institute of the American Hotel &  
 Lodging Association (EI/AH&LA) 2004  
 ServSafe Food Protection Manager Certification  
 National Restaurant Association Education  
 Foundation 2005

**Flores, Joseph L.**

Instructor, Automotive/Transportation  
 A.A. Education  
 Guam Community College 2010  
 Certificate Education  
 Guam Community College 2010  
 ASE Certified Master Automobile Technician

**Flores, Yvonne C.**

Assistant Professor, Computer Science  
 B.S. Computer Science  
 California State University-Long Beach 1986  
 Microsoft Office 2016 Certified Specialist (Access,  
 Excel, PowerPoint & Word)

**Ginson, Christie Marie F.**

Instructor, Mathematics  
 M.S. Applied Math  
 University of the Philippines 1994  
 B.S. Mathematics  
 University of the Philippines 1990

**Guerrero, Norma R.**

Assistant Professor, Marketing  
 M.B.A. Marketing  
 University of Phoenix 2012  
 B.B.A. Marketing  
 University of Guam 1992

**Haurillon, Bertrand J.**

Assistant Instructor, Tourism & Hospitality  
 H.S. Diploma Classic Cuisine  
 Lycee Montesquieu 1979

**Healy, Paul J.**

Assistant Instructor, Visual Communications  
 A.A.S. Advertising Design  
 Brown College 1994

**Ikeda, Daisaku**

Honorary Professor  
 Honorary Doctorates and Professorships from over  
 270 Academic Institutions  
 Graduate of Fuji College Economics Department,  
 1967 (now Tokyo Fuji University)

**Ji, Eric**

Assistant Professor, Tourism & Hospitality  
 M.S. Hospitality Management  
 Florida International University 2013

B.S. Hospitality Management  
 Florida International University 2011  
 DCT Diploma Hotel and Tourism Management  
 Cesar Ritz Colleges Switzerland 2008  
 Certified Guest Service Professional (GSP)  
 Educational Institute of the American Hotel &  
 Lodging Association (EI/AH&LA) 2014

**Jocson, John M.U.**

Assistant Professor, Science  
 M.S. Environmental Science  
 University of Guam 1998  
 B.A. Mathematics  
 University of Guam 1995

**Joo-Castro, Lucy, R.N.**

Instructor, Practical Nursing Program  
 M.S.N. Clinical Nursing Educator  
 Jacksonville University 2015  
 B.S.N. Nursing  
 Rockhurst University 1999  
 Registered Nurse, Guam License  
 Certified Nursing Case manager  
 American Credential Center 2014

**Kerner, Paul N.**

Instructor, Tourism & Hospitality  
 A.A. Education  
 Guam Community College 2010  
 Certificate Education  
 Guam Community College 2010  
 ServSafe Food Protection Manager Certification  
 National Restaurant Association Education  
 Foundation 2001

**Kerr, Jonita Q.**

Associate Professor, Science  
 M.S. Biology  
 University of Guam, 1994  
 B.A. Chemistry  
 North Carolina State University, 1985

**Kuper, Terry F.**

Instructor, Electronics  
 A.S. Computer Networking  
 Guam Community College 2008  
 A.S. Electronic Networking  
 Guam Community College 2008  
 A+ Certified Technician  
 The Computing Technology Industry Association  
 1995  
 Photovoltaic Entry Level  
 North American Board of Certified Energy  
 Practitioners 2012

**Lam, Steve**

Associate Professor, Math  
 M.Ed. Secondary Education Instructional  
 Technology  
 University of Guam 2000  
 B.A. Mathematics and Computer Science  
 Carson-Newman College 1984

**Lauilefue, Eleanor H.**

Instructor, Education

M.A. Education

Ashford University 2012

B.A. Early Childhood Education Administration

Ashford University 2010

**Lawcock, Danilo J.**

Assistant Instructor, Automotive

A.S. Automotive Technology

Guam Community College 1992

ASE Certified Master Automobile Technician

ASE Certified Truck Equipment Technician

ASE Certified Medium/Heavy Truck Technician

ASE Certified School Bus Technician

**Lee, Hee Suk (Rachel)**

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M.A. Engineering

Chungbuk National University 1998

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Chungbuk National University 1994

CISCO Certified Network Associate (CCNA)

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Assistant Instructor, Visual Communications

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Hawaii Pacific University 2012

**Leon Guerrero, Bertha M.**

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M.A. Reading

University of Guam 1986

B.A.E. General Social Science and Secondary Education

University of Guam 1976

**Leon Guerrero, Catherine U.**

Associate Professor, Work Experience

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University of Oklahoma 1996

B.S. Marketing

Arizona State University 1986

Certified Hospitality Educator (CHE)

Educational Institute of the American Hotel &amp; Lodging Association (EI/AH&amp;LA)

**Lizama, Troy E.**

Associate Professor, Assessment &amp; Counseling

M.A. Counseling

University of Guam 1996

B.A. Psychology

University of Guam 1992

**Lizama, Sean**

Instructor, Visual Communications

B.A. Psychology and Philosophy

University of Guam 2008

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Assistant Professor, School of Career &amp; College Success

M.A. Mathematics Education

Technological University of the Philippines 2003

B.S. Statistics

University of the Philippines 1981

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Assistant Professor, Allied Health

M.S. Nursing

University of Phoenix 2013

B.S. Nursing

Monash University 1999

Registered Nurse, Guam License

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Chamberlain College of Nursing 2013

A.A. Nursing

Alpena Community College 1992

Registered Nurse, Guam License

**Maloney, Kathryn S.**

Instructor, School of Career &amp; College Success

M.A. Learning and Technology

Western Governors University 2006

B.S. History minor in Mathematics

University of Wisconsin 1995

**Maloney, Patrick F.**

Instructor, Business

M.N.M. Nonprofit Management: Management

Regis University 2006

B.B.A. Business Administration

University of Great Falls 2003

A.A. Liberal Arts

Chaminade University 1998

**Manzana, Amada A.**

Associate Professor, Marketing

M.A. Business Administration

University of Guam 1995

B.B.A. Marketing

University of Guam 1992

**Matson, Christine B.**

Assistant Professor, Learning Resource Center

J.D. Law

University of Washington 1989

M.A. Counseling

University of Guam 2001

M.A. Information Resources &amp; Library Science

University of Arizona 1999

B.A. History

University of Washington 1986

**Meno, Charles Roy M.**

Assistant Instructor, Automotive

A.S. Automotive Technology

Guam Community College 2002

**Miranda, Kennylyn C.**

Assistant Instructor, Tourism &amp; Hospitality

B.A. Le Cordon Bleu Culinary Management

Le Cordon Bleu College of Culinary Arts 2016

Journeyman Certificate, Culinary Cook

Guam Community College 2013

**Muna, Brian C.**

Instructor, Assessment & Counseling

M.A. Counseling

University of Guam 2010

B.A. Psychology

University of Guam 2005

**Munoz, Jose U.**

Associate Professor, Criminal Justice/Social Science

M.Ed. Education

University of Portland 1994

B.A. Political Science

University of Colorado 1984

**Nanpei, Rose Marie D.**

Assistant Professor, Assessment & Counseling

M.A. Counseling

University of Guam 2002

B.A. Psychology

University of Guam 1995

**Neff, Bernard R.**

Associate Professor, Learning Resource Center

M.L.S. Library Science

University of Hawaii 1987

M.A. Education

Pepperdine University 1974

B.S. Music Education

University of Dayton 1969

**Oliveros, Sharon J.V.**

Instructor, Assessment & Counseling

M.A. Counseling

University of Guam 2012

B.A. Humanities

Bob Jones University 2003

**Olson, Todd**

Assistant Instructor, Construction Trades

H.S.

Columbia River High School 1979

**Pajarillo, Lyndon B.**

Instructor, Automotive

A.A. Education

Guam Community College 2012

Journeyman Certificate, Construction Equipment

Mechanic

Guam Community College 1989

H.S. Diploma

Guam Community College 1985

ASE Certified Master Automobile Technician

ASE Certified Medium/Heavy Truck Technician

**Palomo, Melissa L.C.**

Instructor, Education

B.S. Speech and Hearing Science

University of Arizona 1998

A.S. Early Childhood Education

Guam Community College 2005

**Pangelinan, Pilar O.**

Professor, Business

M.B.A. Business Administration

University of Guam 1998

B.S. Business Administration

University of Arizona 1991

A.S. Business Administration

Pima Community College 1991

**Paulino, Ronaldo M.**

Instructor, Science

D.P.H. Public Health

Loma Linda University 2015

M.S. Biology

University of Guam 2008

B.A. Biology

University of Guam 2004

**Perez, Jonathan J.**

Instructor, Automotive

A.S. Occupational Studies, Automotive and Diesel Technology

Universal Technology Institute Phoenix 2003

ASE Certified Master Automobile Technician

ASE Certified Advanced Level Specialist

**Perez, Kenneth R.**

Instructor, Marketing

M.B.A. Operations Management

American Intercontinental University 2005

B.A. Anthropology

University of Guam 1987

B.A. Psychology

University of Guam 1987

**Perez, Nenita R.**

Instructor, Marketing

B.S. Business Administration

San Francisco State University 1994

**Postrozny, Marsha M., Ed.D.**

Professor, Early Childhood Education

Ed. D. Child & Youth Studies

Nova South Eastern University 2006

M.Ed. Education

University of Florida 1995

B.A. Education

University of Florida 1994

**Randle, Michelle D.**

Instructor, Marketing

M.B.A. Global Management

University of Phoenix 2006

B.S. Business and Management

University of Maryland University College 2002

A.A. Business and Management

University of Maryland University College 1999

**Roberto, Anthony J.**

Associate Professor, Assessment & Counseling

M.Ed. Counseling & Guidance

University of Hawaii 1990

B.S. Recreation

University of Hawaii 1982  
 National Certified Counselor (NCC)  
 National Board for Certified Counselors 2000  
**Roberto, Joachim Peter**  
 Assistant Professor, Social Science  
 M.S.W. Social Work  
 Washington University 1988  
 B.A. Sociology  
 Washington State University 1986  
**Roden, Wendell M.**  
 Instructor, Mathematics  
 M.S. Mathematics  
 Michigan State University 1997  
 B.S. Civil Engineering  
 Michigan State University 1994  
**Rosario, Barbara Ann B.**  
 Instructor, Assessment & Counseling  
 M.A. Counseling  
 University of Guam 2008  
 B.A. Psychology  
 University of Guam 2000  
 A.S. Clerical Studies  
 Guam Community College 1998  
**Rosario, Kirsten L.B.**  
 Assistant Instructor, Education  
 B.A. Child Development  
 Ashford University 2013  
 A.A. Education  
 Guam Community College 2010  
**Sablan, Sally C.**  
 Associate Professor, Assessment & Counseling  
 M.A. Counseling  
 University of Guam 2002  
 B.A. Psychology  
 University of Guam 1994  
**Santos, David T.**  
 Assistant Instructor, Construction Trades  
 H.S.  
 George Washington High School 1984  
**Santos, KristiAnna T., Ph.D.**  
 Assistant Professor, Social Science  
 Ph.D. Counselor Education and Supervision  
 University of Texas at San Antonio 2013  
 M.Ed. Counseling  
 Seattle University 2009  
 B.A. American Studies Psychology  
 University of Notre Dame 2004  
**Santos, Ronald T.**  
 Assistant Instructor, Construction Trades  
 GED Diploma  
 Guam Community College 1992  
**Sawyer, Rita C., R.N.**  
 Assistant Instructor, Allied Health  
 H.S.  
 Enid High School 1964  
 Registered Nurse, Guam License

**Schrage, Marivic C.**  
 Assistant Professor, Tourism & Hospitality  
 M.Ed. Career and Technical Education  
 Concordia University 2015  
 B.S. Business Administration/Accounting  
 Lyceum University 1984  
 B.S. Business Administration/Management  
 University of Nueva Caceres 1980  
 Certified Hospitality Educator (CHE)  
 Educational Institute of the American Hotel &  
 Lodging Association (EI/AH&LA) 1999  
 ServSafe Food Protection Manager Certification  
 National Restaurant Association Education  
 Foundation 2008  
**Setzer, II, Michael D.**  
 Instructor, Computer Science  
 A.S. Electronic Engineering  
 Guam Community College 1986  
 Microsoft Certified Professional 2002  
**Sunga, Anthony Jay J., Ph.D.**  
 Associate Professor, Science  
 Ph.D. Biochemistry & Molecular Biology  
 Oregon Health & Science University 2009  
 M.S. Biochemistry & Molecular Biology  
 Oregon Health & Science University 1999  
 B.S. Biology  
 University of Guam 1997  
**Tabunar, James M.**  
 Instructor, Automotive  
 A.A. Education  
 Guam Community College 2010  
 Certificate Education  
 Guam Community College 2010  
 ASE Certified Collision Repair Technician  
**Tam, Wilson W.B.**  
 Assistant Professor, School of Career & College  
 Success  
 M.Ed. TESOL  
 University of Guam 1997  
 B.S. Industrial Technology  
 Walla Walla College 1982  
 A.S. General Contracting  
 Walla Walla College 1981  
**Tam, Yvonne**  
 Assistant Professor, Marketing  
 M.B.A. Business Administration  
 University of Guam 1994  
 B.B.A. Business Administration  
 University of Guam 1991  
**Teng, Zhaopei**  
 Professor, Computer Science  
 M.S. Management Administration  
 University of South Carolina 1999  
 M.Ed. Early Childhood Education  
 University of South Carolina 1996  
 B.A. Education English

Shandong Normal University 1983  
 Microsoft Certified Professional 2002  
 Microsoft Office 2013 Certified Specialist (Access,  
 PowerPoint & Word)

**Tenorio, Juanita M.**

Associate Professor, English  
 M.A. English Language & Literature  
 University of Minnesota 1993  
 B.A. English  
 Marquette University 1986

**Terlaje, Patricia M.**

Associate Professor, Assessment & Counseling  
 M.A. Counseling  
 University of Guam 2002  
 B.A. Ed. Secondary Education/Language Arts  
 University of Guam 1985

**Torres II, Carl E.**

Instructor, Mathematics  
 B.A. Math  
 University of Guam 2006

**Toves, Rebecca T.**

Associate Professor, School of Career & College  
 Success  
 B.A. Speech: Rhetoric and Communication  
 University of Oregon 1987

**Tudela, Erwin F.**

Instructor, Automotive  
 A.S. Automotive Technology  
 Guam Community College 2005  
 ASE Certified Collision Repair Technician  
 ASE Certified Painting & Refinishing  
 ASE Certified Mechanical & Electrical Components

**Tupaz, Frederick P.Q.**

Instructor, Business  
 P.M.B.A. Business Administration  
 University of Guam 2007  
 B.B.A. Business Administration  
 University of Guam 2006  
 A.S. Marketing

**Unten, Trisha Danielle B.**

Assistant Professor, Math  
 M.Ed. Secondary Education  
 University of Guam 2007  
 B.A. Mathematics  
 University of Guam 2005  
 B.A. Secondary Education  
 University of Guam 2005  
 Microsoft Certified Educator  
 Guam Community College 2005

**Tyquiengco, Ricky S.**

Instructor, Electronics  
 A.A. Education  
 Guam Community College 2010  
 Certificate Education  
 Guam Community College 2010  
 Certified Fiber Optics Installer

**Uchima, Katsuyoshi**

Instructor, Allied Health  
 M.H.A. Health Administration  
 University of Phoenix 2015  
 B.S. Health Administration  
 University of Phoenix 2011  
 A.A. Biological Sciences  
 Mira Costa College 2000  
 Registered Medical Assistant  
 American Medical Technologists 1994  
 Certified Allied Health Instructor  
 American Medical Technologists 2013

**Ventura, Desiree T.**

Instructor, English  
 M.A. Rhetoric and Writing Studies  
 San Diego State University 2009  
 B.A. English  
 Chaminade University, Hawaii 2004

**Yanger, Gil T.**

Assistant Instructor, Construction Trades  
 H.S.  
 George Washington High School 1984

**Zilian, John E.**

Instructor, Construction Trades  
 A.A. Education  
 Guam Community College 2010  
 Certificate Education  
 Guam Community College 2010  
 Certificate of Completion Autocadd Level II  
 Guam Community College 1992

# Appendices



## **APPENDIX A: PACIFIC POSTSECONDARY EDUCATION COUNCIL (PPEC) STATEMENT ON TRANSFER AND ARTICULATION OF COURSES AND PROGRAMS**

All Pacific Postsecondary Education Council (PPEC) member colleges are accredited by the Western Association and Schools and Colleges (WASC). The two-year colleges are accredited by the WASC Accrediting Commission for Community and Junior Colleges (ACCJC), and the four-year colleges are accredited by the WASC Accrediting Commission for Senior Colleges and Universities (ACSCU). Regional accreditation not only signifies a level of institutional quality, but is a requirement for any institution to become a recipient of US government funding, including student financial aid, Title III support for developing institutions, Carl Perkins Vocational Education Act, etc. Maintaining accreditation is critical to the survival of all PPEC institutions.

PPEC higher education institutional leaders have worked collaboratively to serve the needs of member institutions as they address regional and postsecondary education. One of these issues includes articulating the compatibility of educational programs to facilitate transferability of academic credits among member institutions. Additionally, the WASC 2001 Handbook of Accreditation states, that "it is important for reasons of social equity and educational effectiveness, as well as for the wise use of resources, for all institutions to develop reasonable and definitive policies and procedures for acceptance of transfer of credit. Such policies and procedures should provide maximum consideration for the individual student who has changed institutions or objectives."

The goal of the **Pohnpei Accord** (signed by PPEC member institutions on December 11, 2003) is to clearly articulate transfer of credit guidelines for students entering the University of Guam and to exchange academic knowledge and expertise in cooperative transfer policies with the framework of accreditation and current best practices. Specifically,

1. This statement makes specific the guaranteed transfer of courses taken by students at the College of the Marshall Islands (CMDI), the College of Micronesia-FSM (COMFSM), the Northern Marianas College (NMC), the Guam Community College (GCC), and Palau Community College (PCC). Guaranteed transfer credit will be awarded for courses passed with a grade of "C" or higher only.
2. Students transferring to the University of Guam to earn a baccalaureate degree must finish all courses in their major area of study and must take 32 credits in residence at the University of Guam, regardless of the transfer credit award. In residence means any course offered through the University of Guam and transcribed from the University of Guam.
3. Students transferring to the University of Guam to earn a baccalaureate degree must complete at least 40 upper division credits.
4. All students entering the University of Guam must take English and Mathematics Placement test unless exempt due to transfer credit awarded, or by other criteria as determined by the Registrar. If a student is found to be deficient (this is not expected and should be rare), developmental coursework outside of their major may be required.
5. Courses that are developmental, vocational or technical in nature may transfer individually articulated within a program or specified on a course substitution form.

Students completing an Associate of Arts of Interdisciplinary Arts & Sciences degree from accredited colleges will have fulfilled lower division General Education course requirements at the University of Guam. This does not include the waiving of those general education courses that are prerequisites to upper division and major courses, unless that specific course has been articulated with the appropriate course at the University of Guam and was taken by the student in the course of his/her study. All lower division, upper division and major course requirements for a baccalaureate degree must be taken unless an equivalent was completed prior to transferring to the University of Guam. Additional degree specific requirements may need to be completed prior to graduation.

## APPENDIX B: ARTICULATION AGREEMENT

### Articulation with the University of Guam

The matrix below shows GCC courses that are transferable to the University of Guam. Students have the option to either follow the **new** UOG General Education framework (seen in the matrix below) or the **old** UOG General Education framework which is valid for the next three (3) years, from Academic Year 2017-2019. Consult the Office of the Vice President for Academic Affairs (VPAA) for any questions or clarification. The Memorandum of Understanding (MOU) for articulated courses that do not fall under General Education is under review as of May 2017.

March 2017 (updated May 2017)

APPENDIX A						
General Education (GenEd) Course Articulation Matrix (using new UOG GenEd framework as of January 2017)						
GenEd Category	Competency / Breadth of Knowledge	UOG Course	UOG Course Title	Credits	GCC Course	GCC Course Title
		Tier I: Core Foundation (15 credits)				
TIER I: Core Foundation	Written Communication	EN110	Freshman Composition	3	EN110	Freshman Composition
	Oral Communication	CO210	Fundamentals of Communication	3	EN125	Introduction to Human Communication and Speech
	Quantitative Reasoning	MA110	Finite Mathematics (or higher MA*)	3	MA110A	Finite Mathematics
	Information Literacy	EN111	Writing for Research	3	EN111	Writing for Research
	Critical Thinking	CT101	Critical Thinking (new course starting Fall 2017)	3		
		Tier II: Breadth through Diversity & Direction (16 credits)				
DIVERSITY COMPONENT: SCIENCE TECHNOLOGY ENGINEERING & MATH (STEM) 1  Theme 1: Science & Math (take 3 to 4 credits)		AL101/L (formerly AG101/L)	Introduction to Agriculture and Lab	4		
		AL102/L (formerly AG102/L)	Introduction to Plant Science and Lab	4		
		AL109/L (formerly AG109/L)	Insect World	4		
		AL136/L (formerly AG136/L)	Science of Aquaculture	4		
		BI100/L	Environmental Biology	4	SI110 & SI110L	Environmental Biology & Lab
		BI103/L	Marine Biology	4	SI103 & SI103L	Introduction to Marine Biology & Lab
		BI201	Natural History of Guam	3		
		CH100/L	Introduction to Inorganic Chemistry	4		
		CH101/L	Introduction to Organic Chemistry	4		
		CH102/L	General Chemistry	4		
		CH103/L	General Chemistry	4		
		CS200	Computer Applications and Lab	3		
		GE203/L	Principles of Physical Geography	4		
		MA115	Introduction to College Algebra	3		
						SI151 Windows Applications; CS152 Macintosh Applications SI105 + SI105L Introduction to Physical Geology and Lab MA161A College Algebra & Trigonometry I; MA161B College Algebra & Trigonometry II

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March 2017 (updated May 2017)

General Education (GenEd) Course Articulation Matrix (using new UOG GenEd framework as of January 2017)								
GenEd Category	Competency / Breadth of Knowledge	UOG Course	UOG Course Title	Credits	GCC Course	GCC Course Title	Credits	Select from course lists that may fulfill area requirement, but are not direct course equivalents
		MA151	Introductory Statistics	3				
		AL101/L <i>(formerly AG101/L)</i>	Introduction to Agriculture and Lab	4				
		AL102/L <i>(formerly AG102/L)</i>	Introduction to Plant Science and Lab	4				
		AL109/L <i>(formerly AG109/L)</i>	Insect World	4				
		AL136/L <i>(formerly AG136/L)</i>	Science of Aquaculture	4				
		BI110/L	Human Biology	4				
		AL185 <i>(formerly CF130 Nutrition and Health)</i>	Human Nutrition	3	HL202	Nutrition	3	
		GE101	Introduction to Geography	3				
		HS200	Health & Wellness	3				
		PI210	Contemporary Ethical Problems	3				
		PS215	International Relations	3				
		PY101	General Psychology	3	PY120	General Psychology	3	
		SO101	Introduction to Sociology	3	SO130	Introduction to Sociology	3	
		SO221	Sociology of Health & Medicine	3				
		AR101	Introduction to Art	3				
		AR102	Studio for Non-Majors	3				
		EN210	Introduction to Literature	3	EN210	Introduction to Literature	3	
		MU101	Music Fundamentals	3				
		MU102	World Music	3				
		MU106	Introduction to Music	3				
		MU110	Class Voice	1				
		MU121	Beginning Class Piano	2				
		TH101	Introduction to Theater	3	TH101	Introduction to Theater	3	
		TH102	Acting I	3				
		CO106	Introduction to Mass Communication	3				
		GE201	World Regional Geography	3				
TIER II: Breadth through Diversity & Direction								

March 2017 (updated May 2017)

General Education (GenEd) Course Articulation Matrix (using new UOG GenEd framework as of January 2017)							
GenEd Category	UOG Course	UOG Course Title	Credits	GCC Course	GCC Course Title	Credits	
						Select from course lists that may fulfill area requirement, but are not direct course equivalents	
DIVERSITY COMPONENT: HUMANITIES 2 Theme 4: Human Systems and Organizations (take 3 credits)	HI121	World History I	3	HI121	History of World Civilization I	3	
	HI122	World History II	3	HI122	History of World Civilization II	3	
	LN101	Introduction to Language	3				
	PI101	Introduction to Philosophy	3	PI101	Introduction to Philosophy	3	
	PI102	Contemporary Ethical Problems	3				
	PS101	Introduction to Government & Politics	3				
	SO202	Contemporary Social Problems	3				
	SW110	Introduction to Community Services on Guam	3	HM110 (formerly FA110)	Introduction to Community Services	3	
	WG101	Introduction to Women & Gender Studies	3				
DIVERSITY COMPONENT: HUMANITIES 3 Theme 5: Cultural Perspective (take 3 credits)	AN101	Introduction to Anthropology	3				
	ED265	Culture & Education on Guam	3				
	HI211	History of Guam	3			HUI20 Pacific Cultures; HI176 Guam History	
	HI243	History of Micronesia	3				
	PI103	Introduction to Asian Philosophy	3				
	PS202	Government in the United States	3				
	SW201	Social Welfare & Development: Global Challenges	3	HM201 (formerly FA201)	Social Welfare and Development	3	
UNIQUELY UOG COMPONENT : Language (take 4 credits)	CM101	Elementary Chamorro	4	CH110	Chamorro I	4	
	CI101	Elementary Chinese (Mandarin I)	4			HUI20 Pacific Cultures (3 credits)	
	FR101	Elementary French I	4			JAI110 Begin. Japanese I (4 credits)	
	GN101	Elementary German I	4			JAI111 Begin. Japanese II (4 credits)	
	JAI101	Elementary Japanese I	4			ASL100 - ASL 130 American Sign Language I - IV (4 credits)	
	PN101	Conversational Polynesian	4			CHI111 Chamorro II (4 credits)	
	SN101	Elementary Spanish I	4				
	TA101	Conversational Tagalog	4				
UNIQUELY UOG	BI100/L	Environmental Biology	4	SI110 & SI110L	Environmental Biology & Lab	3+1	
	BI103/L	Marine Biology	4	SI103 & SI103L	Introduction to Marine Biology & Lab	3+1	
	BI201	Natural History of Guam	3				

March 2017 (updated May 2017)

General Education (GenEd) Course Articulation Matrix (using new UOG GenEd framework as of January 2017)						
GenEd Category	Competency / Breadth of Knowledge	UOG Course	UOG Course Title	Credits	GCC Course	GCC Course Title
	COMPONENT: Regional (take 3 credits)	ED265	Culture & Education on Guam	3		
		EN213	Literature, Myth, & Culture	3		
		HI211	History of Guam	3		HU120 Pacific Cultures; HI176 Guam History
		HI243	History of Micronesia	3		
		JA215	Japanese for Tourism	4		
		PS225	State & Territorial Government	3		
		PY100	Personal Adjustment	3	PY100	Personal Adjustment
	DIRECTION BUILDING COMPONENT (take 9 to 11 credits)	Take three (3) courses, each from a different Diversity Foundation theme. One of the three courses must have a Core Foundation, Diversity Foundation, or Uniquely UOG course as a prerequisite. However, students who have declared their major prior to completing this component may take two of the three courses within their major program.				
		Tier III: Capstone Experience (0 credits)				
TIER III: Capstone Experience	Program Major Capstone Course (zero GenEd credits)	Tier III of the General Education framework is embedded wholly within UOG major program requirements.			Tier III of the General Education framework is embedded wholly within UOG major program requirements.	

## GCC – UOG Articulated Programs

Approved Program-to-Program Articulation agreements allow students who complete GCC's Associate degrees to transfer to the University of Guam with a Junior class standing to complete major course and baccalaureate requirements. GCC students are responsible for requesting evaluation of credits from the University of Guam.

<b>GCC Programs</b>	<b>UOG Programs</b>
Associate of Science in Criminal Justice	Bachelor of Science in Criminal Justice
Associate of Arts in Education (Bachelor Foundation)	Bachelor of Arts, Education

**IMPORTANT NOTE:** Lower-division transfer courses that are equated to upper-division courses at the University of Guam do not carry upper-division credits, even though they may satisfy certain University of Guam upper-division course requirements. They do not relieve the student of the requirement of having a minimum of 40 upper-division credits for graduation. (Excerpt from the 2016-2017 College Catalog University of Guam.)

University of Guam. 2016-2017 *Catalog*. Retrieved from [http://www.uog.edu/sites/default/files/2016-2017\\_undergraduate\\_catalog-web\\_0.pdf](http://www.uog.edu/sites/default/files/2016-2017_undergraduate_catalog-web_0.pdf)

**APPENDIX C: ARTICULATION AGREEMENT****Articulation with the Chaminade University of Honolulu (CUH)**

Courses in the following list are acceptable to transfer to Chaminade University of Honolulu with grades of “C” or better.

**A. General Education**

<b>GCC Courses</b>	<b>CUH Courses</b>
EN 110 - Freshman Composition EN 111 - Writing for Research * EN 125 - Introduction to Human Communication and Speech EN 210 - Introduction to Literature	EN101 Introduction to Expository Writing EN102 Expository Writing COM101 Introduction to Communications EN201 Types of Literature OR EN255 Short Story and Novel OR EN256 Poetry and Drama
MA 110A - Finite Mathematics	MA100 Survey to Mathematics MA103 College Algebra or higher
HI 121 - History of World Civilization I or HI 122 - History of World Civilization II	One lower level history course
SI 103 - Introduction to Marine Biology SI 110 - Environmental Biology SI 130 - Anatomy & Physiology SI 141 - Applied Physics I SI 142 - Applied Physics II	Two natural sciences courses with laboratory
PI 101 - Introduction to Philosophy	PH100 Introduction to Philosophy OR PH103 Critical Thinking OR PH105 Ethics
JA 110 - Beginning Japanese I JA 210 - Intermediate Japanese I JA 211 - Intermediate Japanese II	Foreign Language II/Global Awareness
PY 120 - General Psychology SO 130 - Introduction to Sociology	AN200 Cultural Anthropology OR CJ201 Foundations in Criminology OR PSY101 General Psychology, OR SO200 Introductory Sociology
PS 140 - American Government	EC201 Principles of Macroeconomics OR GE102 World Regional Geography OR GE103 Human Geography OR HI201 America through Civil War OR HI202 America since Civil War OR POL111 Comparative Government & Politics OR POL211 American Government & Politics

**APPENDIX D: ARTICULATION AGREEMENT****Articulation with the College of Micronesia-Federated States of Micronesia (COM-FSM)**

The following list indicates course equivalencies between GCC and COM-FSM for transfer purposes.

**A. General Education & Related Courses**

<b>GCC Courses</b>	<b>COM-FSM Courses</b>
AC 211 - Accounting Principles I AC 212 - Accounting Principles II	AC131 Accounting I AC220 Accounting II BU250 Principles of Finance AC250 Managerial Accounting AC330 Taxation I
AC 150 - Federal Income Tax I AC 210 - Introduction to Financial Management	MM225 Multimedia Design MM220 Advance Video MM110 Introduction to Photography and Video MM246 Media Studies Practicum
VC 145 - Macromedia Suite VC 161 - Video I VC 172 - Imaging Concepts and Elements VC 298 - Cooperative Education/Work-Learn	MR120 Marine Biology SC117 Tropical Pacific Island Environment SC122A Anatomy and Physiology
SI 103 - Introduction to Marine Biology SI 110 - Environmental Biology SI 130 - Anatomy & Physiology	BU110 Business Ethics
SM 245 - Ethics & Stakeholders Management	CA100 Computer Literacy IS201 Computer Information Systems IS220 Computer Programming IS230 Database Design
CS 101 - Introduction to Computer Systems & Information Technology CS 102 - Computer Operations CS 104 - Visual Basic Programming CS 203 - Systems Analysis & Design	IS/MM245 Desktop Publishing IS240 Webpage Design
VC 131 - Desktop Publishing VC 141 - Web Design	IS280 Networking
EE 265 - Computer Networking I	AJ151 Introduction to Criminal Justice AJ113 Administration of Juvenile Justice AJ158 Management Skills for Police Officers
CJ 100 - Introduction to Criminal Justice CJ 101 - Juvenile Justice Process CJ 209 - Concept of Police Operations	ED220 Education of Exceptional Children
ED 231 - Introduction to Exceptional Children	ECE100 Introduction to Early Childhood Orientation Education ECE211 Language Development in Young Children
CD 110 - Early Childhood Education Orientation CD 180 - Language Arts in Early Childhood	SC112 Introduction to Human Nutrition
HL 202 – Nutrition	FL103 Chinese I
CI 110 - Beginning Mandarin Chinese I	FL101 Japanese I FL102 Japanese II FL120 Basic Japanese for Hotel and Restaurant FL160 Situational Japanese for Hotel and Restaurant
JA 110 - Beginning Japanese I JA 111 - Beginning Japanese II JA 108 - Speak Japanese for Tourism JA 210 - Intermediate Japanese I	EN201 Introduction to Literature EN/CO205 Speech Communication
EN 210 - Introduction to Literature EN 125 - Introduction to Human Communication and Speech	LAW210 Criminal Procedure LAW215 Criminal Law EN/BU121 Business Communications
CJ 150 - Criminal Procedure CJ 200 - Criminal Law OA 211 - Business Communication	BU101 Introduction to Business BU270 Principles of Marketing BU260 Fundamentals of Management BU271 Business Law
SM 108 - Introduction to Business MK 123 - Principles of Marketing SM 220 - Management Skill Development SM 230 - Business Law Applications	MS095 Pre-Algebra MS096 Elementary Algebra
MA 095 - Pre-College Mathematics MA110 Introduction to College Algebra	



MA 110A - Finite Mathematics	MS099 Intermediate Algebra
MA 161A - College Algebra & Trigonometry I	MS100 College Algebra
MA 161B - College Algebra & Trigonometry II	MS101 College Algebra and Trigonometry
OA 109 - Business Math Using Excel	BU/MS110 Business Math
PI 101 - Introduction to Philosophy	EN208 Introduction to Philosophy
PY 120 - General Psychology	SS/PY101 General Psychology
ED 220 - Human Growth & Development	ED/PY201 Human Growth and Development
SO 130 - Introduction to Sociology	SS130 Introduction to Sociology
HS 160 - Hospitality Supervision	HTM150 Hospitality Supervision
HS 211 - Managing Front Office Operations	HTM170 Front Office Management
HS 208 - Managing Food & Beverage Service	HTM220 Food and Beverage Management
HS 140 - Menu Planning	HTM165 Food Fundamentals and Quantity Cooking
HS 254 - Hospitality & Travel Marketing	HTM230 Hospitality Marketing
HS 292 - Hospitality Industry Management Practicum	HTM250 Facilities Management and Practicum

### B. Career and Technical Education Courses

GCC Courses	COM-FSM Courses
AE 103 - Basic Blueprint Reading	VAE103 Blueprint Sketching and Interpretation
CT 152A - Plumbing Level I	VCT162 Advanced Plumbing
CT 154B - Masonry Level II	VCT164 Concrete and Brick Masonry
CT 153 - Introduction to Carpentry	VCT153 Introduction to Carpentry
CT 154 - Fundamentals of Masonry	VCT154 Introduction to Masonry
CT 165A - Electricity Level I	VEM103 Basic Electricity I
CT 165B - Electricity Level II	VEM104 Basic Electricity II
CT 165C - Electricity Level III	VEM112 Electrical Wiring II
CT 172 - Plumbing Installation and Design	VCT172 Plumbing Installation and Design
CT 173 - Rough Framing and Exterior Finishing	VCT173 Rough Framing and Exterior Finishing
CT 174 - Columns, Beams, Walls and Partitions	VCT174 Columns, Beams, Walls and Partitions
CT 182 - Uniform Plumbing Code	VCT182 Uniform Plumbing Code
CT 183 - Finishing	VCT183 Finishing and Trim Work
CT 185A - Refrigeration and Air Conditioning Level I	VEM113 Refrigeration I
CT 185B - Refrigeration and Air Conditioning Level II	VEM114 Refrigeration II
CT 193 - Cabinet Making and Millwork	VCT193 Cabinet Making and Mill Work
EE 103 - Electricity I: Direct Current Circuits	VEE103 Electronics Fundamentals I
EE 104 - Electricity II: Alternating Current Circuits	VEE104 Electronics Fundamentals II
EE 110 - Instrumentation	VEE10 Discrete Devices I
EE 112 - Electronic Devices	VEE125 Electronics Circuits
EE 116 - Digital Technology	VEE135 Digital Electronics I
EE 243 - Fiber Optics Installation	VCT261 Fiber Optics Installation
EM 112 - National Electrical Code	VEM212 National Electrical Code
EM 182 - Industrial Controls	VEM240 Industrial Wiring
WE 105 - Fundamentals of Oxyacetylene Welding & Cutting	VWE105 Fundamentals of Oxyacetylene Welding & Cutting
WE 110 - Fundamentals of ARC Welding I	VWE110 Fundamentals of ARC Welding I
EE 211 - It Essentials I	VEE223 PC Hardware and Software

## **APPENDIX E: ARTICULATION AGREEMENTS WITH OTHER INSTITUTIONS & ORGANIZATIONS**

Since Guam Community College is fully accredited with the Accrediting Commission for Community and Junior Colleges (ACCJC), GCC courses and some programs articulate, or transfer to other accredited postsecondary institutions and organizations through certain arrangements or agreements. These agreements offer GCC students various opportunities with which to expand and enrich their postsecondary educational experiences.

However, meeting graduation and transfer requirements is still the responsibility of students. Students interested in pursuing transfer to the following institutions or organizations that GCC has agreements with should contact a GCC advisor, counselor, or the Office of Admissions and Registration:

**University of Guam**

<http://www.uog.edu>

**Chaminade University- Honolulu, Hawaii**

<https://www.chaminade.edu>

**College of Micronesia- Federated States of Micronesia (COM-FSM)**

<http://www.comfsm.fm>

**University of Alaska Fairbanks**

<http://www.uaf.edu>

**Bellevue University- Bellevue, Nebraska**

<http://guam.smoothesttransfer.com/index.aspx>

**University of Phoenix (online)**

<http://www.phoenix.edu>

AA Education - BS Education/Elementary Education

AA IAS - BS Business (all concentrations)

AA IAS - BS Criminal Justice Administration/Management

**Dusit Thani College-Bangkok, Thailand**

<http://www.dtc.ac.th/en>

**University of Makati-Makati City, Philippines**

<http://umak.edu.ph/v3>

**American Hospitality Academy Philippines-Makati City, Philippines**

<http://www.ahaphil.com>

**Pacific Islands University**

<http://www.piu.edu>

**Kadan Automotive Technical College-Sendai, Japan**

[http://www.takenaka.co.jp/takenaka\\_e/projects/education/a71501722006.html](http://www.takenaka.co.jp/takenaka_e/projects/education/a71501722006.html)

**Wayland Baptist University**

<http://www.wbu.edu>

**First Asia Institute of Technology and Humanities-Patangas City, Philippines**

<http://www.firstasia.edu.ph/>

**Guimaras State College - Philippines**

<http://gsc.edu.ph/>

**Mariacy Beauty Academy**

<http://www.mariacy.edu>

**American Hotel & Lodging Educational Institute**

<http://www.ahlei.org>

**Iloilo Science and Technology University - Philippines**

<http://www.isatu.edu.ph>

**Dong Seoul University - Korea**

<http://www.du.ac.kr>

**Ming Chuan University - Taiwan**<http://www.mcu.edu.tw>**Gyeongnam Provincial Namhae College - Korea**<http://www.namhae.ac.kr>**Guam Home School Association**<http://www.guam-hsa.org>**SIAS International University - China**<http://www.sias.edu.cn>

Institutions identified above have varying agreements with GCC as indicated in the following arrangements below:

**A to B Agreements (A to B)**

Associate to Bachelor (A to B) Agreements provide students the opportunity to complete an associate's degree while working towards a bachelor's degree. Most, if not all, the credits in the associate's degree transfer to the four-year institution, often with the student starting as a junior.

**General Education Articulation**

GCC has General Education articulation with selected postsecondary institutions. Please consult a counselor, advisor or the Office of Admissions and Registration for further information. It is important to note though that some institutions have college-wide General Education requirements whereas other institutions have different requirements depending on a student's major (i.e. Education, Criminal Justice, etc.)

**Course by Course Articulation**

The articulation matrices found in this catalog list specific GCC courses that selected postsecondary institutions will accept as equivalent to their courses. Course by course guides are helpful if the student knows the exact course or courses needed to transfer.

**Secondary to Postsecondary Articulation**

An array of programs, initiatives and support services provide opportunities for high school students to gain college credits while earning a high school diploma. Dual Enrollment Accelerated Learning (or DEAL) and Dual Credit Articulated Programs of Study (or DCAPS) are two examples.

**Reverse Transfer**

Academic credits for course work completed at a 4-year institution may be transferred back to Guam Community College to satisfy associate degree requirements.

## **APPENDIX F: U.S. ARMY SENIOR RESERVE OFFICERS' TRAINING CORPS (SROTC) AT THE UNIVERSITY OF GUAM**

**General Information:** The SROTC is an Army leadership training program that has a contractually agreed upon cooperative effort with the University of Guam (UOG). The SROTC's purpose is to commission Army Officers, the future leadership of the U.S. Army.

This information is being included in this catalog to give Guam Community College (GCC) students an opportunity to explore military career options.

**Eligibility:** Any **full-time GCC student** may take a lower level Military Science course **at no cost to the student** registering in the same manner as any other undergraduate course. However, to qualify for enrollment as an ROTC cadet in the program leading to a commission, a student must meet the following requirements:

- U.S. citizenship is required prior to commissioning.
- Be at least 17 years of age with consent at time of contracting and no more than 35 years of age at time of commissioning.
- Be a full time student at UOG, GCC, or a combination of the two. Or be a full time student at the Northern Marianas College (NMC).
- Not be convicted of a felony.
- Be approved by the Professor of Military Science.
- Specific questions regarding the above criteria should be directed to the Military Science Department at the university.

**Tuition:** Military Science courses at UOG are tuition free. However, students must be full time in order to enroll in the Advance Course (junior and senior year) of the SROTC program. All Military Science required uniform and equipment are provided on a loan basis. All Military Science course texts are also provided to students at no cost.

For particular courses, program-specific questions and other related costs, please contact John Howerton, Recruiting Operations Officer, Military Science Department at the University of Guam, phone (671) 735-2541 or (671) 777-ROTC.

## APPENDIX G: ACADEMIC DEFINITIONS

### 1. Educational Level

- Freshman: A Declared Student who has earned less than 30 credits towards the requirements of a Certificate or Associate Degree.
- Sophomore: A Declared Student who has earned 30 credits or more towards the requirements of a Certificate or Associate Degree.
- Diploma Students: Undeclared Students and Special Students are not assigned educational levels by the College.

### 2. Registration Status

- First Time Student: A new student to GCC and is the first member of their immediate family to attend college.
- New Student: A student attending the College for the first time in any one of its programs.
- Continuing Student: A student who has been registered at the College during the previous semester in the same classification.
- Returning (Former) Student: A student who has been enrolled at the College and is returning to the College in the same classification after an absence of one or more semesters (not including Summer Semester).

### 3. Program of Study

- A Declared Student is admitted to the College to work toward a specific certificate or degree. That certificate or degree is that student's program of study (or Major) unless a Change of Program request has been approved.

### 4. Enrollment Status

- A student's enrollment status is determined after the end of the Course Adjustment period.

During a regular semester, a student is:

- Full-Time: If enrolled for 12 credit hours or more.
- 3/4-Time: If enrolled for at least 9 credit hours but less than 12 credit hours.
- 1/2-Time: If enrolled for at least 6 credit hours but less than 9 credit hours.

During a summer session, a student is:

- Full-Time: If enrolled for 6 credit hours or more.
- 1/2-Time: If enrolled for less than 6 credit hours.

A student with a disability who has requested accommodations may qualify for certification as a full-time student if enrolled for at least six (6) credit hours in a regular term or three (3) credit hours in a summer session. Contact the Accommodative Services Coordinator, Suite 2139 in the Student Services & Administration Building, phone 735-5597 for further information.

Declared and Diploma Students enrolled for less than a full course of study during their final semester or summer session at the College will be considered to be full-time students during that semester or summer session for U.S. Immigration and Customs Enforcement purposes, provided that they are registered for at least those courses required to meet graduation requirements at the end of that semester or summer session.

**APPENDIX H: ACADEMIC FREEDOM - BOARD POLICY 460**

**WHEREAS**, the Guam Community College Board of Trustees desires to promote and assure public understanding and support of academic freedom in the College; and

**WHEREAS**, institutions of higher education are conducted for the common good and not to further the interest of either the individual faculty member or the institution as a whole; and

**WHEREAS**, the common good depends upon the free search for truth and its free exposition; and

**WHEREAS**, academic freedom is essential to these purposes and applies to both teaching and research; and

**WHEREAS**, freedom in research is fundamental to the advancement of truth; and

**WHEREAS**, academic freedom in its teaching aspect is fundamental for the protection of the rights of the faculty member in teaching and of the student in learning; and

**WHEREAS**, teaching includes but is not limited to: method of teaching, method of presentation, materials used in teaching, presentations and all things related to the students' classroom learning; and

**WHEREAS**, it carries with it duties correlative with rights.

**NOW, THEREFORE, BE IT RESOLVED**, that the Guam Community College Board of Trustees adopts as its policy the following statement on Academic Freedom:

- a. The faculty member is entitled to full freedom in research and in the publication of the results, subject to the adequate performance of his/her other academic duties.
- b. The faculty member is a citizen, a member of a learned profession, and an officer of an educational institution. When he/she speaks or writes as a citizen, he/she should be free from institutional censorship or discipline, but his/her special position in the community imposes special obligations. As a person of learning and an educational officer, he/she should remember that the public may judge his/her profession and his/her institution by his/her utterances. Hence he/she should at all times be accurate, should exercise appropriate restraint, should show respect for the opinions of others, and should make every effort to indicate that he/she is not an institutional spokesperson.

Amended & Adopted: February 3, 2017  
Resolution 7-2017

Amended & Adopted: January 8, 2009  
Resolution 9-2009

Adopted: May 17, 2000  
Resolution 9-2000

## **APPENDIX I: ANNUAL NOTIFICATION OF STUDENT RIGHTS UNDER THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)**

Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights are:

1. The right to inspect and review the student's education records within 45 days of the day the College receives a request for access. Students should submit to the Registrar written requests that identify the record(s) they wish to inspect. The Registrar will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the Registrar, the Registrar shall advise the student of the correct official whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes is inaccurate or misleading. Students may ask the College to amend a record that they believe is inaccurate or misleading. They should write the College official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception, which permits disclosure without consent, is disclosure to school officials with legitimate educational interests. A school official is defined as a person employed by the College in an administrative, supervisory, academic, or support staff position (including law enforcement unit and health staff); a person or company with whom the College has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility. Upon request, the College discloses education records without consent to officials of another school in which a student seeks or intends to enroll.
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the College to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, S.W.  
Washington, DC 20202-4605

5. FERPA regulations can be accessed online at [www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html](http://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html)

At its discretion, the College may provide Directory Information in accordance with the provisions of the Act to include: student name, address, telephone number, date and place of birth, major field of study, dates of attendance, degrees and awards received, the most recent previous educational agency or institution attended by the student, participation in officially recognized activities and sports, and weight and height of members of athletic teams. Students may withhold Directory Information by notifying the Registrar in writing within two weeks after the first day of class for the fall term.

Requests for nondisclosure will be honored by the College for the academic year; therefore, authorization to withhold Directory Information must be filed annually in the Office of Admissions and Registration.

## APPENDIX J: REGIONAL ACCREDITING BODIES

### Middle States Association of Colleges and Schools, Middle States Commission on Higher Education (MSCHE)

[www.msche.org](http://www.msche.org)

Scope of recognition: the accreditation and pre-accreditation ("Candidacy status") of institutions of higher education in Delaware, the District of Columbia, Maryland, New Jersey, New York, Pennsylvania, Puerto Rico, and the U.S. Virgin Islands, including distance education programs offered at those institutions.

Dr. Elizabeth H. Sibolski, President  
3624 Market Street, 2nd Floor Annex  
Philadelphia, PA 19104  
Phone: (267) 284-5025  
En Espanol: (267) 284-5015  
Fax: (215) 662-5501  
E-mail: [info@msche.org](mailto:info@msche.org)

### New England Association of Schools and Colleges, Commission on Institutions of Higher Education (NEASC-CIHE)

[cihe.neasc.org](http://cihe.neasc.org)

Scope of recognition: the accreditation and pre-accreditation ("Candidacy status") of institutions of higher education in Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont that award bachelors, masters, and/or doctoral degrees and associate degree-granting institutions in those states that include degrees in liberal arts or general studies among their offerings, including the accreditation of programs offered via distance education within these institutions. This recognition extends to the Board of Trustees of the Association jointly with the Commission for decisions involving pre-accreditation, initial accreditation, and adverse actions.

Barbara E. Brittingham, President of the Commission  
209 Burlington Road  
Bedford, MA 01730  
Phone: (781) 425-7747  
Fax: (781) 425-1001  
E-mail: [bbrittingham@neasc.org](mailto:bbrittingham@neasc.org)

### New England Association of Schools and Colleges, Commission on Technical and Career Institutions (NEASC-CTCI)

<http://ctci.neasc.org/>

Scope of recognition: the accreditation and pre-accreditation ("Candidate status") of secondary institutions with vocational technical programs at the 13th and 14th grade level, postsecondary institutions, and institutions of higher education that provide primarily vocational/technical education at the certificate, associate, and baccalaureate degree levels in Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. This recognition extends to the Board of Trustees of the Association jointly with the Commission for decisions involving pre-accreditation, initial accreditation, and adverse actions.

George H. Edwards, Director, CPS  
Bruce Sievers, Associate Director, CPS  
209 Burlington Road  
Bedford, MA 01730  
Phone: (781) 425-7735  
Fax: (781) 271-0950  
E-mail: [gedwards@neasc.org](mailto:gedwards@neasc.org)

### The Higher Learning Commission

[www.hlcommission.org](http://www.hlcommission.org)

Scope of recognition: the accreditation and pre-accreditation ("Candidate for Accreditation") of degree-granting institutions of higher education in Arizona, Arkansas, Colorado, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, New Mexico, North Dakota, Ohio, Oklahoma, South Dakota, West Virginia, Wisconsin, Wyoming, including schools of the Navajo Nation and the accreditation of such programs offered via distance education within these institutions.

Barbara Gellman-Danley, President  
230 South LaSalle Street, Suite 7-500  
Chicago, IL 60604-1411  
Phone: (800) 621-7440



Fax: (312) 263-7462  
E-mail: [info@hlcommission.org](mailto:info@hlcommission.org)

**Northwest Commission on Colleges and Universities (NWCCU)**

[www.nwccu.org](http://www.nwccu.org)

Scope of recognition: the accreditation and pre-accreditation ("Candidacy status") of postsecondary educational institutions in Alaska, Idaho, Montana, Nevada, Oregon, Utah, and Washington and the accreditation of such programs offered via distance education within these institutions.

Sandra E. Elman, President  
8060 165th Avenue, NE, Suite 100  
Redmond, WA 98052  
Phone: (425) 558-4224  
Fax: (425) 376-0596  
E-mail: [selman@nwccu.org](mailto:selman@nwccu.org)

**Southern Association of Colleges and Schools, Commission on Colleges (SACS)**

[www.sacscoc.org](http://www.sacscoc.org)

Scope of recognition: the accreditation and pre-accreditation ("Candidate for Accreditation") of degree-granting institutions of higher education in Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Texas, and Virginia, including distance education programs offered at those institutions.

Belle S. Wheelan, President  
1866 Southern Lane  
Decatur, GA 30033  
Phone: (404) 679-4500  
Fax: (404) 679-4558  
E-mail: [bwheelanAsacscoc.org](mailto:bwheelanAsacscoc.org)

**Western Association of Schools and Colleges, Accrediting Commission for Community and Junior Colleges (WASC-ACCJC)**

[www.accjc.org](http://www.accjc.org)

Scope of recognition: the accreditation and pre-accreditation ("Candidate for Accreditation") of community and junior colleges located in California, Hawaii, the United States territories of Guam and American Samoa, the Republic of Palau, the Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, and the Republic of the Marshall Islands, and the accreditation of such programs offered via distance education at these colleges.

Richard Winn, Interim President  
10 Commercial Boulevard, Suite 204  
Novato, CA 94949  
Phone: (415) 506-0234  
Fax: (415) 506-0238  
E-mail: [accjc@accjc.org](mailto:accjc@accjc.org)

**Western Association of Schools and Colleges, Accrediting Commission for Senior Colleges and Universities (WASC-ACSCU)**

[www.wascsenior.org](http://www.wascsenior.org)

Scope of recognition: the accreditation and pre-accreditation ("Candidate for Accreditation") of senior colleges and universities in California, Hawaii, the United States territories of Guam and American Samoa, the Republic of Palau, the Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands and the Republic of the Marshall Islands, including distance education programs offered at those institutions.

Mary Ellen Petrisko, President  
985 Atlantic Avenue, Suite 100  
Alameda, CA 94501  
Phone: (510) 748-9001  
Fax: (510) 748-9797  
E-mail: [wascsr@wascsenior.org](mailto:wascsr@wascsenior.org)

**Distance Education and Training Council (DETC)** accredits online courses/programs [www.detc.org](http://www.detc.org)

## APPENDIX K: DUAL CREDIT AND DUAL ENROLLMENT ARTICULATION BETWEEN GCC SECONDARY AND POSTSECONDARY PROGRAMS

### DUAL CREDIT ARTICULATED PROGRAMS OF STUDY (DCAPS)

1. Automotive (AST)
  - a. GCC Secondary Courses
    - i. VEME050a
    - ii. VEME050b
    - iii. VEME077
    - iv. VEME075
    - v. VEME065
    - vi. VEME066
  - b. GCC Postsecondary Courses
    - i. AST100 Introduction to Automotive Service (3 credit hours)
    - ii. AST150 Brakes (3 credit hours)
    - iii. AST160 Electrical (3 credit hours)
    - iv. AST180A Engine Performance I (3 credit hours)
    - v. AST140 Suspension & Steering (3 credit hours)
2. Business Education (GDOE)
  - a. GDOE Secondary Cluster Courses
    - i. BS108 Keyboarding
    - ii. BS403 Business Math using Excel
    - iii. BS203 Information Processing
  - b. GCC Postsecondary Courses
    - i. OA101 Keyboarding Applications
    - ii. OA109 Business Math Using Excel
    - iii. OA130 Information Processing
3. Construction Technology
  - a. Emphasis in Carpentry
    - i. GCC Secondary Courses
      1. VECT 053 Introduction To Carpentry
      2. VECT 073 Advanced Carpentry

The learning outcomes of CT140 Industrial Safety are covered and incorporated in VECT053 and VECT073
    - ii. GCC Postsecondary Courses
      1. CT153 Introduction to Carpentry(3)
      2. CT173 Rough Framing and Exterior Finishing(3)
      3. CT140 Industrial Safety(3)
  - b. Emphasis in AutoCad
 

Note: may earn up to six (6) Credits in A.S. in Pre-Architectural Drafting or Computer Aided Design & Drafting Certificate program depending on the program the declared major is in

    - i. GCC Secondary Courses
      1. VECT 080 Introduction To AutoCAD
      2. VECT 081 Advanced AutoCAD
    - ii. GCC Postsecondary Courses
      1. AE-103 Basic Blueprint Reading (3)
      2. AE 150 Computer Aided Design and Drafting (AutoCAD I) (3)
4. Early Childhood Education
  - a. GCC Secondary Courses
    - i. VEEC050 Early Childhood Education Orientation Part 1
    - ii. VEEC051 Early Childhood Education Orientation Part 2
    - iii. VEEC060 Language Arts in Early Childhood Education Part 1
    - iv. VEEC061 Language Arts in Early Childhood Education Part 2
  - b. GCC Postsecondary Courses
    - i. CD110 Early Childhood Education Orientation (3 credits)
    - ii. CD180 Language Arts in Early Childhood Education (3 credits)
5. Electronics
  - a. GCC Secondary Courses
    - i. VEEE080 IT Essentials I +
    - ii. VEEE081 IT Essentials II +
  - b. GCC Postsecondary Courses

- i. EE211 IT Essentials I (4 credits)
    - ii. EE215 IT Essentials II (3 credits)
  - 6. LMP Tourism & Hospitality
    - a. GCC Secondary Courses
      - i. CTETT054 Lodging Management I
      - ii. CTETT064 Lodging Management II
      - iii. CTETT074 Lodging Management III
    - b. Crosswalk Between CTE ProStart to CTE Lodging Management Program (LMP) and vice-versa.
      - i. CTETT055 ProStart I student may transfer to the CTETT054 LMP I program with credits under the following conditions:
        - 1. A request must be made by the student to be transferred.
        - 2. Program instructor from whom the student is transferring from and the receiving program instructor must both approve the transfer.
        - 3. The transfer from CTETT055 to CTETT054 must occur on or before the end of the second semester of CTETT055.
        - 4. Transfers will not be approved once the second year of the program has commenced.
      - ii. CTETT054 LMP I student may transfer to the CTETT055 ProStart I program with credits under the following conditions:
        - 1. A request must be made by the student to be transferred.
        - 2. Program instructor from whom the student is transferring from and the receiving program instructor must both approve the transfer.
        - 3. The transfer from CTETT054 to CTETT055 must occur on or before the end of the second semester of CTETT054.
        - 4. Transfers will not be approved once the second year of the program has commenced
    - c. GCC Postsecondary Courses
      - i. HS150 Welcome to Hospitality (3 credits)
      - ii. HS211 Front Office Management (3 credits)
      - iii. HS292a Hotel Operations Management Practicum (3 credits)
  - 7. Marketing
    - a. GCC Secondary Courses
      - i. VEMK050 Marketing I (.5/semester, total 1.0)
      - ii. VEMK060 Marketing II (1.0/semester, total 2.0)
      - iii. VEMK062 Marketing, Sales & Services Lab A (.5/semester, total 1.0)
      - iv. VEMK072 Marketing, Sales & Services Lab B (.5/semester, total 1.0)
    - b. GCC Postsecondary Courses
      - i. MK123 Principles of Marketing (3 credit hours)
  - 8. ProStart & Culinary
    - a. GCC Secondary Courses
      - i. CTETT055 ProStart I
      - ii. CTETT065 ProStart II
      - iii. CTETT075 ProStart III
    - b. Crosswalk between CTE ProStart to CTE Lodging Management Program (LMP) and vice-versa.
      - i. CTETT055 ProStart I student may transfer to the CTETT054 LMP I program with credits under the following conditions:
        - 1. A request must be made by the student to be transferred.
        - 2. Program instructor from whom the student is transferring from and the receiving program instructor must both approve the transfer.
        - 3. The transfer from CTETT055 to CTETT054 must occur on or before the end of the second semester of CTETT055.
        - 4. Transfers will not be approved once the second year of the program has commenced.
      - ii. CTETT054 LMP I student may transfer to the CTETT055 ProStart I program with credits under the following conditions:
        - 1. A request must be made by the student to be transferred.
        - 2. Program instructor from whom the student is transferring from and the receiving program instructor must both approve the transfer.
        - 3. The transfer from CTETT054 to CTETT055 must occur on or before the end of the second semester of CTETT054.
        - 4. Transfers will not be approved once the second year of the program has commenced
    - c. GCC Postsecondary Courses
      - i. HS140 - Menu Planning (3 credits)
      - ii. HS154 - Nutrition for Foodservice Professionals (3 credits)
      - iii. HS293 - Culinary Practicum (3 credits)

**DUAL ENROLLMENT ACCELERATED LEARNING (DEAL)**

**Course Code**  
**Title (College Credit)**

**Course Code**  
**Title (High School Credit)**

**Guam Community College**  
EN110-Freshman English (3)

**Guam Department of Education (GDOE)**  
LA411DEG  
Advanced Placement Language and Composition  
-Dual Enrollment GCC (1)

MA110A-Finite Mathematics (3)

MA301DEG  
Trigonometry & Analytical Geometry  
-Dual Enrollment GCC (1)

MA161A-College Algebra/Technical Mathematics (4)

MA401DEG  
Elementary Functions  
-Dual Enrollment GCC (1)

**Guam Community College**  
EN110-Freshman English (3)

**Father Duenas Memorial School (FD)**  
EL09  
Composition (1)

MA161B  
College Algebra & Trigonometry II (3)

MA04  
Pre-Calculus (1)

**Guam Community College**  
EN110-Freshman English (3)

**Notre Dame High School (ND)**  
Composition  
Composition (1)

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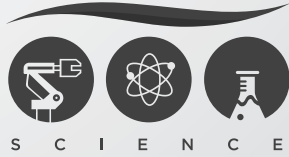
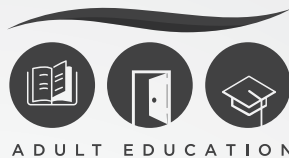
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# GCC LOGO SYSTEM



FOR MORE INFORMATION  
OR TO REPORT A VIOLATION

**PLEASE CALL**  
STUDENT SUPPORT SERVICES

**735-5555**

WWW.GUAMCC.EDU

Per GCC Board of Trustees Policy No.175  
and Administrative Directive No. 2006-05.  
Any violation(s) will be addressed in  
accordance with the disciplinary actions  
outlined in GCC's Personnel Rules & Regulations,  
Student Handbook, and Faculty Union Contract.

# THE GCC CAMPUS IS

**TOBACCO &  
SMOKE FREE**  
[ALL FORMS]

**BETEL NUT FREE**







# CHALANI

## A YEAR-ROUND PATH TO SUCCESS AT GCC!

Register once for an entire academic year. Guarantee your spot for required classes.  
Avoid the hassle of having to register each semester.

### REGISTRATION

#### How many credits can I register for per semester?

Register for up to 9 credits for summer term, and up to 15 credits per semester for fall and spring.  
[ Anything over requires approval from an advisor or department chair. ]

#### Can I still change my schedule for each term?

Yes - each term has posted dates for the last day of registration and for schedule adjustments.

### PAYMENT

#### When do I pay for terms for which I have registered?

Pay by the posted last day for payment for each term.

#### How will Chalani 365 affect my financial aid?

Check the Financial Aid priority date deadlines posted for each semester.  
[ Please visit the Financial Aid Office or call 735-5543/44 for information. ]

### PREREQUISITES

#### Can I still register if there's a prerequisite?

Yes.

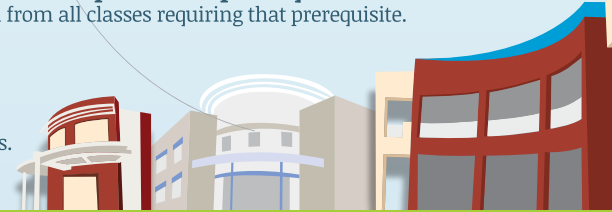
#### What happens if I drop or fail a prerequisite class?

You will be dropped from all classes requiring that prerequisite.

### HOLDS

#### What happens if I have a hold on my account?

Students must clear all holds (Admissions, Financial aid, Library, etc.) before registering for classes.



	Summer 2017	Fall 2017	Spring 2018
Registration Dates	March 31 - May 25	March 31 - August 9	March 31, 2017 - January 3, 2018
Financial Aid Priority Deadline	May 4	July 6	December 6, 2017
Last Day for Payments	May 25	August 9	January 3, 2018
First Day of Classes	June 2	August 16	January 10
Schedule Adjustment Period	June 2 - 5	August 16 - 22	January 10 - 16

## AY 2017 – 2018 Calendar

### **FALL TERM 2017**

August 14	Faculty Start Date
August 16	First Day of Monday-Wednesday Classes
August 17	First Day of Tuesday-Thursday Classes
August 18	First Day of Friday
August 19	First Day of Saturday Classes
September 4	Labor Day Holiday (Observed)
November 2	All Soul's Day Holiday (Observed)
November 3	Potential Make-up Day
November 10	Veteran's Day Holiday (Observed)
November 17	Potential Make-up Day
November 23-26	Thanksgiving Break
November 29	Last Day of Monday-Wednesday Classes
December 1	Potential Make-up Day
December 5	Last Day of Tuesday-Thursday Classes
December 8	Our Lady of Camarin Day (Observed)
December 9	Last Day of Saturday Classes
December 15	Last Day of Friday Classes
December 20	Grades Due

### **SPRING TERM 2018**

January 8	Faculty Start Date
January 10	First Day of Monday-Wednesday Classes
January 11	First Day of Tuesday-Thursday Classes
January 12	First Day of Friday Classes
January 13	First Day of Saturday Classes

### **SPRING TERM 2018**

January 15	Martin Luther King Jr. (Observed)
March 5	Guam History & Chamorro Heritage Day - (Observed)
March 26 -April 1	Spring Break
April 13	Potential Make-up Day
April 20	Potential Make-up Day
April 27	Potential Make-up Day
April 27	Last Day of Friday Classes
April 28	Last Day of Saturday Classes
May 1	Last Day of Tuesday-Thursday Classes
May 7	Last Day of Monday-Wednesday Classes
May 10	Grades for Non-graduating Students Due
May 11	Commencement Exercise
May 28	Memorial Day Holiday (Observed)

### **SUMMER TERM 2018**

June 1	Faculty Start Date/First Day of Classes
June 29	Potential Make-up Day
July 4	Independence Day Holiday (Observed)
July 6	Potential Make-up Day
July 13	Potential Make-up Day
July 13	Last Day of Classes
July 18	Grades Due (except Saturday classes)
July 20	Liberation Day Holiday (Observed)

NOTE: The deadlines listed above refer to regular, full-term classes only. Other offered courses have varying deadlines posted at the lobby of the Admissions & Registration office, Building 2000. You will also find deadlines on "MyGCC" or ask your instructor, as necessary and appropriate. Please visit the college's website, [www.guamcc.edu](http://www.guamcc.edu), for deadline changes and other announcements.



## KEY TO BUILDINGS

<b>A</b>	Classrooms, Criminal Justice Office	<b>500</b>	Automotive Classroom/Shop, Automotive Technology Office
<b>B</b>	Student Support Services, Student Success Lab	<b>600</b>	Construction Classroom/Workshop, Maintenance Dept.
<b>C</b>	Classrooms	<b>900</b>	Autobody/Welding Shop/Classrooms, Construction Trades Office
<b>D</b>	Classrooms, Computer Science Office, Management Information Systems (MIS)	<b>1000</b>	<b>Technology Center:</b> Classrooms, Study Hall, Mac Lab, Electronics Lab, Offices, VisCom Studio, Test Center
<b>E</b>	Classrooms, Study Hall, Workout Room, Education and English Offices, Autocad Labs, Mansana Center	<b>2000</b>	<b>Student Services &amp; Administration:</b> Admissions & Registration, Financial Aid, Cashier, Counseling, Accommodative Services, Continuing Ed., Business Office, Administrative Offices
<b>F</b>	<b>Foundation Building:</b> Classrooms, Bookstore, Café, Adult Ed. Office, Veterans Study Room	<b>3000</b>	<b>Anthony A. Leon Guerrero Allied Health Center:</b> Classrooms, Lecture Halls
<b>100</b>	CURRENTLY UNDER CONSTRUCTION	<b>4000</b>	<b>Learning Resource Center (LRC) - Library:</b> Computer Lab
<b>300</b>	CLOSED FOR RENOVATION	<b>5000</b>	<b>Student Center:</b> Student Lounge, Computer Lab, Training Room, Health Services Center, Center for Student Involvement, Reach for College, Project AIM/TRIO Program
<b>400</b>	<b>Multipurpose Auditorium (MPA)</b> Culinary Arts Kitchen & Office		

## GUAMCOMMUNITYCOLLEGE

Created by the Community College Act of 1977, Guam Community College offers associate degrees, certificates, and industry certification in more than 50 fields of study. GCC also offers a U.S. Department of Labor approved apprenticeship program in conjunction with over 100 island employers, in addition to Adult Basic Education, and Adult High School diploma program, high school equivalency testing and preparation, and English as a Second Language courses.

### ADMISSIONS & REGISTRATION

Tel: (671) 735-5531-3  
[gcc.registrar@guamcc.edu](mailto:gcc.registrar@guamcc.edu)  
[gcc.info@guamcc.edu](mailto:gcc.info@guamcc.edu)

### SCHOLARSHIPS & FINANCIAL AID

(671) 735-5543/4  
[financialaid@guamcc.edu](mailto:financialaid@guamcc.edu)

### ACCREDITATION

Accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC), Western Association of Schools and Colleges (WASC).

### DEGREES OFFERED

Associate of Science  
 Associate of Arts  
 Certificate  
 Diploma